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WATER RESOURCES

SUEZ WATER IDAHO INC.

MASTER WATER PLAN
FOR THE YEARS 2015 TO 2065

Approved and Adopted:

Gregory P. Wyatt
Vice President and General Manager
Suez Water Idaho, Inc.

September 23, 2016

Note: The *Master Water Plan* and its Exhibits and Appendix have been printed with spare pages added as necessary to facilitate double-side printing.

Errata: Subsequent to its approval by Suez on September 23, 2016, the following minor corrections to the *Master Water Plan* were made on April 28, 2017. The Church Forecast in Section V was not affected by these edits.

- On two occasions, the misspelled acronym "MMD" was corrected to read "MDD."
- The numbers in Forecast Table 7 of the Gap Analysis and its explanation on the preceding page were corrected to match the numbers presented in the rest of the Gap Analysis discussion.
- The word "spreadsheet" was stricken on page 37 of the Gap Analysis so that the sentence reads: "For purposes of the Gap Analysis ~~spreadsheet~~, ..."
- The word "Example" was added to the heading of Forecast Table 8 of the Gap Analysis to emphasize that it is not a summary table, but only an example based on three Suez water rights.
- Footnote 34 on page 41 of the Gap Analysis was revised to fix an incorrectly transcribed number from the Church spreadsheet (Appendix A) and to more clearly explain the conclusion.
- The label on the Pink Line Map in Exhibit 1 was corrected.
- Erroneous references to Appendix C were corrected to read Exhibit 2.
- A more legible version of Exhibit 2 (portfolio of all Suez water permits, rights and other entitlements) has been substituted. It identifies non-IMAP rights with yellow highlighting.
- Exhibit 2 was modified to include an inadvertently omitted second point of diversion (for the Columbia Treatment Plant) for surface water permit No. 63-12055.
- Exhibit 2 was modified to add a column identifying the post-transfer PODs.
- The labels to the sixth and ninth columns of Exhibit 2 were modified to more clearly explain the contents of the columns.
- An explanatory email from Phillip J. Rassier dated April 11, 2017 was inserted following his report in Exhibit 9.

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I. DEFINITIONS, SHORTHAND, AND ACRONYMS

1996 Act refers to the Municipal Water Rights Act of 1996, 1996 Sess. Laws ch. 297, as amended, which codified the growing communities doctrine and established substantive and procedural requirements for municipal water providers to obtain water rights for RAFN.

AF refers to acre-feet.

The Church Econometric Model ("CEM") is the model developed by Prof. Church to forecast population, number of households, and non-agricultural employment within Ada County over the next 50 years.

The Church Forecast is the forecast of RAFN and other water production components set out in section V of this *Master Water Plan.*

cfs refers to cubic feet per second, a measure of water flow.

COMPASS is an acronym for the Community Planning Association of Southwest Idaho. COMPASS serves as the metropolitan planning organization for Ada and Canyon Counties, Idaho.

Demand. The terms "demand" and "production" are used interchangeably in this *Master Water Plan.* Both refer to the quantity of water that must be produced in a given timeframe to meet a specified type of use or all system-wide needs, as the context provides.[1]

Gap Analysis refers to an analysis of the difference (or gap) between the size of Suez's current portfolio of water rights and its RAFN. See *RAFN Guidance*, p. 16. Suez's Gap Analysis is set out in section VI beginning on page 35.

IMAP is an acronym for Suez's Integrated Municipal Application Package. The IMAP is a collection of transfer applications submitted by Suez in 2002 for the purpose of obtaining alternative points of diversion and establishing its existing water rights as RAFN water rights. The IMAP does not seek any new or enlarged water rights. The IMAP proceeding was stayed in 2003 pending the processing of Suez's claims in the Snake River Basin Adjudication ("SRBA"). The SRBA decreed Suez's claims in 2009, and the IMAP stay was lifted in 2012. The IMAP is still pending before the Department. The Church Forecast supports the IMAP as well as this *Master Water Plan.*

IDWR or the Department refers to the Idaho Department of Water Resources.

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[1] Suez generally uses the term "demand" in the context of sales to paying customers, but it may also be used in the context of total billed and non-billed water requirements. On the other hand, the term "production" is more typically used in the context of either non-billed water uses or combined billed and non-billed uses. For example, the Department uses the term Maximum Day Demand ("MDD") to encompass total system-wide production on the peak day. Likewise, the Department's definition of Peak Hourly Demand ("PHD") speaks in terms of diversion records, encompassing both billed and non-billed uses. *RAFN Guidance*, p. 14.

Master Water Plan refers to this document, *Master Water Plan for the Years 2015 to 2065.*

MDD is an acronym for Maximum Day Demand. This is sometimes referred to as peak day production. Both refer to the quantity of water produced by a municipal provider for both billed and non-billed uses on the peak day of the peak month in a year. *See RAFN Guidance*, p. 14.

MMAD is an acronym for Maximum Month Average Daily Demand. It refers to the quantity of water produced by a municipal provider for both billed and non-billed uses on an average day of the peak month of a year. In other words, it is peak month demand divided by the number of days in the month. *See RAFN Guidance*, p. 14.

NPI is an acronym for non-potable irrigation water. This is untreated surface water provided by irrigation districts and other entities (but not by the municipal provider) to irrigate lawns, parks, and the like within a municipal provider's service area. The availability of NPI water reduces customer demand for water provided by a municipal provider.

Planning Area refers to Suez's anticipated future service area[2] that qualifies for RAFN quantification at the end of the Planning Horizon. References to Suez's Planning Area are capitalized. The *RAFN Guidance* does not employ the term "planning area" but refers instead to the "RAFN service area," which is the same thing.

Peak day production is the same as MDD.

PHD is an acronym for peak hourly demand. This is the quantity of water required to serve all needs during the peak hour of the peak day of the peak month.

PID is an acronym for peak instantaneous demand. This is the highest demand for water (which might last just a few minutes) during the peak hour of the peak day of the peak month.

Planning Horizon refers to the duration of the forecast of future water demand. The 1996 Act defines "planning horizon" as "the length of time that the department determines is reasonable for a municipal provider to hold water rights to meet reasonably anticipated future needs. The length of the planning horizon may vary according to the needs of the particular municipal provider." Idaho Code § 42-202B(7). Suez has adopted a 50-year Planning Horizon for water supply purposes. References to Suez's Planning Horizon are capitalized.

Production. The terms "demand" and "production" are more-or-less interchangeable. Both refer to the quantity of water that must be produced in a given timeframe to meet a specified type of

[2] The 1996 Act defines "service area" as "that area within which a municipal provider is or becomes entitled or obligated to provide water for municipal purposes. For a municipality, the service area shall correspond to its corporate limits, or other recognized boundaries, including changes therein after the permit or license is issued. The service area for a municipality may also include areas outside its corporate limits, or other recognized boundaries, that are within the municipality's established planning area if the constructed delivery system for the area shares a common water distribution system with lands located within the corporate limits. For a municipal provider that is not a municipality, the service area shall correspond to the area that it is authorized or obligated to serve, including changes therein after the permit or license is issued." Idaho Code § 42-202B(9).

use or all system-wide needs, as the context provides. See further discussion in footnote 1 at page 1.

RAFN is an acronym for Reasonably Anticipated Future Needs. It refers to the anticipated total production requirements of Suez to meet demand within its Planning Area at the end of the Planning Horizon. This includes both billed water supplied to meet customer demand and other non-billed system requirements. RAFN is defined by the 1996 Act at Idaho Code § 42-202B(8).

RAFN Guidance refers to a guidance document revised and re-issued by IDWR in 2015: Mat Weaver (IDWR Deputy Director), *Recommendations for the Processing of Reasonable Anticipated Future Needs (RAFN) Municipal Water Rights at the Time of Application, Licensing, and Transfer* (Application Processing No. 74, Permit Processing No. 20, License Processing No. 13, Transfer Processing No. 29) (revised Mar. 16, 2015).

Suez refers to Suez Water Idaho Inc., which was formerly known as United Water Idaho Inc. The IMAP was filed by United Water Idaho Inc. In 2015, United Water Idaho Inc. and its parent company, United Water, were rebranded to reflect the longstanding ownership of United Water by Suez Environnement (an international company).

TAZ refers to the Traffic Analysis Zones developed by COMPASS, which divide Ada and Canyon County into hundreds of smaller geographic areas.

II. INTRODUCTION

This *Master Water Plan* quantifies the total projected peak municipal water demand (including total annual volume and MMAD for billed customer demand and other non-billed production) over 50 years, from 2015 through 2065, within Suez's Planning Area. In other words, it quantifies RAFN. The *Master Water Plan* also describes and quantifies the company's current portfolio of municipal water rights and other entitlements, and compares that portfolio with its RAFN (*i.e.,* a Gap Analysis). The *Master Water Plan* provides information useful to Suez for various planning purposes and also for the IMAP.

The signature of Gregory P. Wyatt, Suez's Vice President and General Manager, on this *Master Water Plan* indicates that it has been approved and adopted by Suez. The plan was finally approved in September 2016.

Contributions to this *Master Water Plan* have been made by Suez staff, its legal counsel (Givens Pursley LLP), and its consultant (John C. Church of Idaho Economics, who is also a lecturer in the Department of Economics at Boise State University). Prof. Church guided and oversaw the preparation of section V of this *Master Water Plan* beginning on page 8 ("Church Forecast"). Prof. Church's affidavit is attached as Exhibit 3 at page 59. His resume is attached as Exhibit 4 at page 63.

The Church Forecast was also reviewed and approved by Don C. Reading, Consulting Economist, Ben Johnson Associates, Inc. Mr. Reading was previously engaged by IDWR to assist in preparation of the Department's guidance on RAFN water right applications. Mr. Reading was provided full access to Prof. Church's data. Mr. Reading and Prof. Church met on several occasions to facilitate Mr. Reading's analysis. Mr. Reading's evaluation and conclusions

regarding the *Master Water Plan*, and particularly Prof. Church's water demand projections, are contained in a separate document entitled *A Review of the Population and Water Demand Forecasts in Suez's 2015-2065 Master Water Plan*, dated July 8, 2016. A copy of this report (including his affidavit) is attached as Exhibit 5 at page 71. Mr. Reading's resume is attached as Exhibit 6 at page 105.

The water demand projections presented in this *Master Water Plan* were also reviewed by Dr. Christian Petrich of SPF Water Engineering, LLC. Dr. Petrich recently prepared a 50-year demand projection for the Treasure Valley commissioned by the Idaho Water Resource Board. Suez engaged Dr. Petrich to compare his results and methodology with those of the *Master Water Plan*. Dr. Petrich was provided full access to Prof. Church's data. Dr. Petrich and Prof. Church met on several occasions to facilitate Dr. Petrich's analysis. Dr. Petrich's evaluation and conclusions regarding the *Master Water Plan* are set out in a letter attached as Exhibit 7 at page 111. Dr. Petrich's resume is attached as Exhibit 8 at page 119.

The 50-year demand forecast in the *Master Water Plan* is not intended to be a static projection for the next five decades. Projections of that duration inherently require adjustment over time. Indeed, that is the nature of long-term planning—it is an ongoing process. Accordingly, it is anticipated that Suez will re-evaluate its long-term needs from time to time. Accordingly, Suez retained Phillip J. Rassier, formerly chief counsel to IDWR and now a legal consultant with Idaho Water Engineering, LLC. Suez asked Mr. Rassier to review and comment on the *Master Water Plan* and to opine on the authority of the Department to approve the 50-year RAFN projection with a reopener condition. Mr. Rassier's comments on an earlier draft of the *Master Water Plan* are reflected in the final version. Mr. Rassier's conclusions as to the reopener are set out in Exhibit 9 at page 127. His resume appears in Exhibit 10 at page 137.

This *Master Water Plan* is distinct from, but complements, Suez's *Master Facilities Plan*, which evaluates and describes the anticipated physical facilities that Suez will need to construct over the next 20 years. That is sufficient lead time to allow Suez to address engineering, financial, contracting, and regulatory issues necessary to make decisions and bring these facilities on line in a timely fashion.

In contrast, planning for water supply (water rights) requires a much longer planning horizon than facilities planning. Suez believes a 50-year planning period is prudent for water supply planning purposes. See discussion in section III (50-Year Planning Horizon) beginning on page 5.

This *Master Water Plan* includes projected quantities of water measured in both volume (acre-feet and gallons) and rate (measured in gallons per day and in cfs). Volume measurements (annual, monthly, and daily) are useful to Suez for a variety of planning purposes. For purposes of planning for water rights, however, the key factor is rate. Specifically, Suez's water right portfolio is designed to enable it to divert at the flow rate required to serve peak day production (also known as MDD). As discussed in section V.D(12) (Peak day production) at page 30, this is somewhat less than the instantaneous peak flow, which is met through system storage.

The methodology used in this *Master Water Plan* to project Suez's RAFN is similar to the one employed in support of Suez's *2001 Integrated Municipal Application Package* ("IMAP").

However, based on population and water production data collected over the past decade, Suez's projections have changed in the intervening years.

The following subsections describe the methodology for projecting Suez's RAFN through the year 2065 in this order:

- Establish Suez's 50-year Planning Horizon (section III).
- Delineate Suez's Planning Area (section IV).
- Forecast Suez's RAFN (section V).
- Provide a Gap Analysis comparing Suez's existing portfolio and its RAFN (section VI).

III. 50-YEAR PLANNING HORIZON

Suez uses a 50-year planning period for water supply planning, which means this *Master Water Plan*'s duration extends through 2065. A 50-year planning period is consistent with the 1996 Act, which authorizes the establishment of a "planning horizon" for each municipal provider. Idaho's statutes place no upper limit on the duration of a planning horizon.

Suez believes that increasing demands on the Treasure Valley's physical water supply mandate that a responsible water provider serving this growing community fully understand its anticipated water demand over at least 50 years. Failure to quantify that long-term demand and develop a strategy for securing a firm water supply to meet that long term demand would be inconsistent with Suez's statutory and constitutional obligation to serve all residents and entities within its service area. Accordingly, Suez has adopted a 50-year Planning Horizon for its water supply.

This duration corresponds to Suez's long-term needs and is consistent with other rapidly growing major urban centers in the West. For example, the City of Denver uses a 50-year planning period for water supply, as does the City of Eugene (Oregon) and the City of Tucson (Arizona).

Suez's goal, as reflected in this *Master Water Plan*, is to avoid overestimating or underestimating the amount of water rights it must hold to meet future demands. If Suez failed to acquire water rights to support continued growth trends, and found itself unable to adequately supply municipal water to Boise and the surrounding area, the entire valley would face dire consequences. Addressing the water supply challenge then, rather than now, would be far more difficult and would subject the community to huge costs.

IV. PLANNING AREA

A. Introduction

For purposes of projecting its future water demand, Suez employs a "Planning Area," which is the delineation of its anticipated service area at the end of the 50-year Planning Horizon

(excluding any areas that do not meet the requirements of the 1996 Act[3]). Suez has undertaken such a delineation, based on its best estimate of those areas within Ada County reasonably assumed to be served by Suez in 2065.

The delineation of Suez's Planning Area is intended only for use in forecasting future water demand. All changes in Suez's actual service area, or "certificated area," are subject to regulatory approval by the Idaho Public Utilities Commission. The decision to include areas in Suez's Planning Area has no regulatory effect over whether it actually will serve those areas in the future and is not a commitment by Suez to seek to serve those areas. Likewise, the decision not to include an area in Suez's Planning Area does not preclude Suez from seeking to serve that area in the future. The point is that Suez delineated its Planning Area because some future service area must be assumed for purposes of projecting future water demands. The Planning Area is Suez's best effort to conservatively predict its service area in 2065.

Suez's Planning Area boundary is drawn conservatively so as not to overestimate its future water demands. Areas are excluded from the Planning Area where there is uncertainty about whether Suez will serve that area in the future.

The delineation of Suez's Planning Area is consistent with the 1996 Act's concept of "service area," which refers to the area within which a municipal provider "is or becomes entitled or obligated to provide water for municipal purposes." Idaho Code §42-202B(9). Idaho common law and the 1996 Act recognize that municipal providers' service areas are constantly changing and that such changes do not constitute a change in the place of use requiring a water right transfer. Unlike a service area, however, the Planning Area is not an element of a water right. It is simply a planning tool employed to quantify Suez's RAFN.

In connection with the IMAP, in 2012 Suez submitted to IDWR a Planning Area map known as the "2012 Pink Line Map" (because the Planning Area boundary is shown in a pink line).[4] A reduced-size copy of the 2012 Pink Line Map is attached as Exhibit 1 at page 43. In addition to the Planning Area boundary, the 2012 Pink Line Map also shows the locations of quarter sections containing Suez's existing wells.

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[3] The 1996 Act provides: "'Reasonably anticipated future needs' refers to future uses of water by a municipal provider for municipal purposes within a service area which, on the basis of population and other planning data, are reasonably expected to be required within the planning horizon of each municipality within the service area not inconsistent with comprehensive land use plans approved by each municipality. Reasonably anticipated future needs shall not include uses of water within areas overlapped by conflicting comprehensive land use plans." Idaho Code § 42-202B(8) (emphasis added). Fortunately, the municipal governments in the Treasure Valley have established their areas of city impact so as not to overlap. Consequently, no areas that Suez anticipates serving are within areas overlapped by conflicting comprehensive land use plans.

[4] Early in the IMAP proceedings, Suez provided a map showing its Planning Area known as the "2002 Pink Line Map." This formed the basis of the IMAP's RAFN projections prior to the 2003 stay. Over the next decade, a number of events occurred that clarified where Suez likely will serve in the future. Accordingly, the revised 2012 Pink Line Map was submitted in the IMAP proceeding after the stay was lifted in 2012. The 2012 Pink Line Map also shows the 2002 Pink Line for comparison.

The 2012 Pink Line Map shows that Suez's Planning Area boundary largely corresponds with its existing certificated service area. Annexations by the Cities of Meridian, Eagle, and Kuna have resulted in a fairly well-defined common boundary between those municipalities and Suez's service area. As a result, Suez does not expect much change in its certificated service area in these areas over the next 50 years. The bulk of Suez's expected expansion outside of its existing certificated area will occur in north Ada County and south of Boise.

The reasoning behind the location of the 2012 Pink Line Map's Planning Area boundary is further described in the following subsections.

B. Discussion of specific areas within the Planning Area

(1) Meridian and Eagle areas

In the Meridian and Eagle vicinity, the western boundary of the Planning Area in the 2012 Pink Line Map precisely matches Suez's existing certificated boundary. Compared to the 2002 Pink Line Map, the biggest change in this area is the Planning Area extension north of Chinden Boulevard, which was not included within the 2002 Pink Line Map's Planning Area boundary.

(2) North Ada and Avimor areas

Suez's certificated service area currently includes the Avimor development in north Ada County. Suez's Planning Area boundary in the 2012 Pink Line Map extends roughly a mile northwest of the current certificated boundary near Avimor, along the Ada County border. It then travels due south until it reaches State Highway 55 near Shadow Valley Golf Course, after which it follows Highway 55 to the south for about a mile until it reaches the City of Eagle's Area of City Impact. The Planning Area boundary then follows Boise's Area of City Impact boundary south until it intersects Suez's current certificated area boundary at Hill Road. Suez expects to serve the proposed Dry Creek Master Planned Community located east of Highway 55 between the Highway and Hidden Springs.

(3) Garden City area

The 2012 Pink Line Map's Planning Area boundary follows the existing Suez certificated area boundary and the Garden City area of impact.

(4) Eastern boundary along foothills

Going southeast from the Avimor area, the 2012 Pink Line Map's Planning Area boundary follows Suez's current certificated service area boundary until it intersects the City of Boise's Area of City Impact boundary near the Hidden Springs community. To capture Boise City's future potential growth, it then follows the Area of City Impact boundary southeast along the foothills all the way until it reaches Columbia Road south of the Boise River in southeast Boise.

(5) Area south of Boise

At Columbia Road in southeast Boise, the 2012 Pink Line Map's Planning Area boundary turns east for one mile, then heads due south for four miles, turns east again for a mile then south for

another two miles until it heads west to form the southern boundary of the proposed Planning Area. The southern boundary is extended three miles south of Suez's existing certificated service area to capture expected growth in this area over the next 50 years.

(6) City of Kuna and western boundary area

Where the southern boundary of the 2012 Pink Line Map's Planning Area approaches the City of Kuna, it turns north one mile east of the City's current annexations. After traveling three miles north, the boundary intersects Suez's current certificated service area western boundary all the way through and around the Cities of Meridian, Eagle, and Garden City, as described above. In other words, aside from the area extending three miles south of its existing certificated service area east of Kuna, Suez's Planning Area boundary is identical to its current certificated service area along its western boundary.

V. THE CHURCH FORECAST: QUANTIFYING SUEZ'S REASONABLY ANTICIPATED FUTURE NEEDS DURING THE PLANNING HORIZON

A. Introduction

As noted above, Suez engaged Prof. Church to forecast Suez's RAFN during the Planning Horizon. This section of the *Master Water Plan* is a detailed explanation of Prof. Church's forecast (the "Church Forecast").

The Church Forecast serves multiple purposes. One objective is to predict the peak day production (aka MDD) that will be required to meet both customer demand and non-billed production within the Planning Area at the end of the Planning Horizon. This RAFN quantification, together with a Gap Analysis, will be provided in support of Suez's pending IMAP. This forecast is an update of an earlier forecast provided at the time the IMAP was first submitted over a decade ago.

In addition, the Church Forecast will serve internal company planning purposes in connection with infrastructure and other investment decisions. For this reason, the Church Forecast contains other detailed information (for example, annual production estimates by various water use categories) that were not used to derive the MDD forecast.

Detailed spreadsheets displaying data and regression results used in the Church Forecast are set out in Appendix A to this *Master Water Plan*.

Projected water production over the course of the Planning Horizon measures all water that Suez will be required to produce (*i.e.*, divert). This includes both billed production (*i.e.*, customer demand) and non-billed production.

"Billed production" (aka "total sales") refers to water that is provided to Suez's customers as reflected in the company's bi-monthly billing records. This includes four components based on class of customer:

- residential sales
- commercial sales
- public authority sales[5]
- "other" sales[6]

The great bulk of Suez's water production serves the first two sales categories (residential and commercial customers). For example, in 2015, residential and commercial customer demand accounted for over 99 percent of total sales[7] and nearly 95 percent of all water produced.[8] Because of the overwhelming influence of residential and commercial customer demand on total water demand, Prof. Church employed a complex econometric model, four multivariate linear regressions, and other statistical analyses to forecast the quantity of future demand by residential and commercial customers.

The last two customer classes (public authority sales and "other" sales) make up less than one percent of annual total production.[9] Consequently, a far simpler forecast was developed for these. Sales to public authorities is a function of the combined residential and commercial sales. "Other" water sales, in turn, is a function of residential, commercial, and public authority sales.

Total bi-monthly billing to all customers drove Prof. Church's forecast of monthly total production, which he then summed to forecast total annual production. Each monthly total production forecast was based on a ratio for that month derived from a stable relationship between total sales and total production evident in the company's historical data.

"Non-billed production" refers to water Suez must produce for uses that are not billed to customers. There are three types of non-billed production:

- system losses.
- company use
- non-billed hydrant use

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[5] The public authority customer class includes water uses in government buildings, parks, and other public facilities.

[6] "Other" sales includes temporary customers (typically construction contractors) that use water from fire hydrants, which Suez tracks and bills by providing the water user with a hydrant meter.

[7] This percentage for 2015 is derived from Table A1 in Appendix A, pages A-3 and A-5: (9,779,315 + 5,578,620) / 15,484,647 = 0.992.

[8] This percentage for 2015 is derived from Table A1 in Appendix A, pages A-3 and A-7: (9,779,315 + 5,578,620) / 16,224,222 = 0.947. As the data in Table A1 shows, this percentage is stable during the recent historical period. As shown in Forecast Table 1 below, the percentage drops slightly when looking at the peak month.

[9] This percentage for 2015 is derived from Table A1 in Appendix A, pages A-5 and A-7: (90,006 + 36,707) / 16,224,222 = 0.008.

All three combined amount to under six percent of total production.[10] To forecast the quantity of these non-billed production categories of water use, Prof. Church employed comparatively less complex statistical analyses. He determined that there is a stable historical relationship between total production and non-billed production. This allowed Prof. Church to "back out" the numbers for each category of non-billed production from his forecasted total production. The numbers for these individual categories of non-billed production were not used for projecting RAFN; the RAFN projection is driven by the forecast for total production.

Forecast Table 1 below displays (as a preview of the discussion below) the 2015 and 2065 peak month production for each of the four categories of billed production and the three categories of non-billed production.

Forecast Table 1

Production Numbers by Category (for highest month of year)

Category of water use		2015 (1,000 gallons)	% of Total Production in 2015	2065 (1,000 gallons)	% of Total Production in 2065	Multiple of increase in 50 years	Annual increase %	Reference to Appendix A pages
Billed (Sept.)	Residential	1,705,537	62.55%	4,494,806	65.82%	2.64	1.96%	A-15, A-26
	Commercial	781,360	28.66%	1,745,086	25.55%	2.23	1.62%	A-15, A-26
	Public authorities	24,668	0.90%	61,894	0.91%	2.51	1.86%	A-31, A-42
	Other sales	5,018	0.18%	12,592	0.18%	2.51	1.86%	A-13, A-42
Non-Billed (Aug.)	System losses	64,424	2.36%	161,363	2.36%	2.50	1.85%	A-47, A-58
	Company use	4,607	0.17%	11,540	0.17%	2.50	1.85%	A-47, A-58
	Non-billed hydrant use	1,296	0.05%	3,246	0.05%	2.50	1.85%	A-47, A-58
SUM OF ABOVE		2,590,214		6,499,195		2.51	1.86%	
TOTAL PRODUCTION (Aug.)		2,726,502	100%	6,829,107		2.50	1.85%	A-47, A-58

The forecasts for individual categories are displayed to illustrate how the overall forecast fits together.[11] For RAFN purposes, the forecast total production is the critical number.

[10] This percentage for 2015 is derived from Table A1 in Appendix A, page A-7: (54,140 + 6,018 + 851,121) / 16,224,222 = 0.056. By the way, the percentages in footnotes 8, 9, and 10 do not sum to exactly 1.0. This is due to a time-lag discrepancy between the data groups. See footnote 11 at page 10.

[11] As noted, the forecast for total production is not derived by summing the billed and non-billed categories. As Forecast Table 1 shows, the sum of each of the seven categories does not exactly equal the forecast of total water production. This is due to time-lag issues in the data. Because customer billing occurs only every two months, the billing data reflects actual production that may have occurred from one to 60 days earlier. In contrast, the total production forecast has no time-lag. Because the non-billed production categories are based on the production forecast, they, too, have no time-lag. In an effort to partially compensate for this apples-to-oranges situation, Forecast Table 1 displays the forecast for the peak production month of the year for the four categories of billed production. (Billings in September more closely approximate production in August, the peak month of production). For non-billed categories, August is displayed, because there is no time-lag and that month corresponds to the highest overall production month of the year (even if it is not the highest production month for that particular category). In any event, this difference among the water use categories is inconsequential to RAFN forecasting, because non-billed production is backed out after total production is forecasted and is not a driver of the RAFN forecast. See discussion in section V.D(11) (Step Eleven: Non-billed production) at page 28.

The bottom line is that the Church Forecast predicts that total production will increase by two and a half times in fifty years. This equates to an annual increase of 1.85%. The discussion in the pages below explains how that forecast was made.

B. Overview of data (Census, COMPASS, and Suez data)

Before delving into forecasting methodologies, it is important to understand the various types of data Prof. Church used to project future demand.

Prof. Church relied on population and planning data provided by three governmental entities: (1) the U.S. Census, (2) U.S. Department of Labor, and (3) COMPASS.

Census data on population and number of households (for Ada County for the years 1984 through 2011) and U.S. Department of Labor data on non-agricultural employment (for Ada County for the years 1984 through 2011) served as an input to the Church Econometric Model, which forecasted those measures for the 2015 to 2065 period.

COMPASS generates its own forecasts of population and number of households. The latest is published in COMPASS' *2040 Communities in Motion*. See footnote 15 at page 19. However, the COMPASS forecasts extend only to the year 2040. In order to provide demand projections through 2065, Prof. Church used the Church Econometric Model, which takes into account a number of variables in order to project population, households, and non-agricultural employment. Prof. Church employed the *2040 Communities in Motion* projections through the year 2040 to calibrate his econometric model. As a result, the Church Econometric Model replicates the results of the COMPASS projections of population and number of households through the year 2040, and then extends the projection of those factors through the year 2065 (also adding a projection of non-agricultural employment).[12]

In addition to using the COMPASS forecast to calibrate the Church Econometric Model, Prof. Church used the COMPASS data for other purposes. COMPASS allocates its projections for population and number of households (for each five year increment from 2010 to 2040) to individual Traffic Analysis Zones ("TAZs"). These allocation ratios were used by Prof. Church to allocate his county-wide forecast of population and number of households to individual TAZs within Ada County through the year 2040. He then used his own professional judgment to adjust the TAZ allocations in subsequent years. This, in turn, allowed him to sum the population and household numbers for selected TAZs (and portions thereof) to reflect population and households within Suez's Planning Area. This is explained more fully under "Step Two" in section V.D(2) beginning on page 19 ("Step Two").

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[12] For example, for the year 2040, COMPASS projects the Suez Planning Area population to be 346,269 and Suez Planning Area households to be 150,389. See Appendix A, Table A5, p. A-141. The Church Forecast projects almost identical but slightly lower numbers in 2040: 345,259 (population) and 150,043 (households). See Appendix A, Table A6, p. A-171. Similarly, for the year 2040, COMPASS projects total Ada County population to be 674,144 and Ada County households to be 272,724. See Appendix A, Table A5, p. A-141. The Church Forecast projects slightly lower numbers in 2040: 663,958 (population) and 255,676 (households). See Appendix A, Table A6, p. A-171.

This TAZ-based distribution, however, did not drive Prof. Church's forecast of future water needs. Instead, his county-wide projections of households and non-agricultural employment (generated by his econometric model) served as inputs to the demand forecasts for RAFN. Prof. Church performed the TAZ-based allocation because it provides other useful planning information to Suez, such as detailed, geographic-specific information about increases in population and households that will be useful in site-specific infrastructure investment decisions. It also serves to corroborate Prof. Church's forecast of the number of residential customers, which is used in the RAFN forecasts.

In addition to the governmental data discussed above, Prof. Church employed historical company data collected by Suez. Two broad categories of company data were used: (1) customer sales and (2) monthly production data (diversion records) and company estimates.[13]

First, customer sales data consists of Suez's meter reading data recorded in its bi-monthly billing for water sales to all of its billed customer classes (*i.e.*, residential, commercial, public authority, and other). (This is as granular as the sales data gets. Suez does not record its customers' monthly or daily water demand.) The bi-monthly bills are sent out on a rolling basis throughout each month, creating a time-lag associated with this billing data. For instance, a bill sent in mid-September would include water provided from the last part of July, all of August, and the first part of September.[14] This billing data was used to forecast future demand for each of these customer classes.

Second, Suez collects total, daily, system-wide production data for all water that it diverts from ground and surface supplies. This includes water that is delivered to paying customers as well as non-billed production (system losses, company use, and non-billed hydrant use). Prof. Church summed the daily production data into monthly data for purposes of this analysis. Unlike the customer billing data, there is no time-lag on this production data. The stable, predictable relationship between historic production data and historic billing data enabled Prof. Church to convert customer sales data (which has a time-lag) to total system production (without a time-lag).

C. Overview of the forecasting methodology (step-by-step process)

The long-term forecast for RAFN and other purposes is derived by forecasting the monthly quantity of sales in each of four billed customer classes (residential, commercial, public authority, and "other" billed uses). The total monthly billed sales is then used to forecast total

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[13] Daily diversion data is summed into monthly production data for purposes of the Church Forecast (specifically, Step Ten and Step Eleven described below).

[14] Suez bills its customers every two months. But its billings occur on a continuous rolling basis. Thus, it has data on how much it bills customers each month of the year. That data reflects a lag time, however. For instance, Suez customers receive September bills over a 30-day period. A bill that went to a customer on September 1 would include billing for water produced from July 1 to August 31 (or something close to that). A bill that went to a customer on September 30 would include water produced from July 31 to September 29. Thus, total billing for September captures all production associated with those customers in August and a portion of July and September.

monthly production, which also includes three categories of non-billed production (system losses, company use, and non-billed hydrant use).

Appendix A displays monthly and annual forecasts for each of the billed and non-billed categories. Only the monthly forecasts are used to project peak month production and peak day production.

The flow-chart on the following page summarizes the methodology employed by Prof. Church. Each step is further described in the text following the flow-chart, and explained in greater detail in section V.D beginning on page 17.

STEP ONE

*Forecast Ada County **population, number of households, and non-agricultural employment** through 2065 using the Church Econometric Model ("CEM").*

STEP TWO

*Allocate CEM-forecasted Ada County **population and number of households** to individual COMPASS TAZs. Determine total population and number of households within the Planning Area by summing TAZs. (These numbers do not drive the RAFN forecast, but are used for forecast corroboration and other planning purposes.)*

STEP THREE

*Forecast number of Suez **residential customers** based on CEM-forecasted Ada County households using multivariate linear regression.*

STEP FOUR

*Forecast number of Suez **commercial customers** based on CEM-forecasted Ada County non-agricultural employment using multivariate linear regression.*

STEP FIVE

*Forecast Suez monthly **residential demand** per residential customer using multivariate linear regression that extrapolates historic per-customer demand.*

STEP SIX

*Forecast Suez monthly **commercial demand** per commercial customer using multivariate linear regression that extrapolates historic per-customer demand.*

STEP SEVEN

*Forecast Suez monthly **public authority demand** as a function of combined residential and commercial demand forecasts.*

STEP EIGHT

*Forecast Suez monthly **"other" sales demand** as a function of combined residential, commercial, and public authority demand forecasts.*

STEP NINE

*Total up **all billed sales**, based on calculations in prior steps.*

STEP TEN

*Forecast Suez monthly **total production** (both billed and non-billed production) as a function of total billed sales.*

STEP ELEVEN

*Forecast Suez's monthly **non-billed production** as a function of total production. (This backing out of non-billed production is independent of the RAFN forecast.)*

STEP TWELVE

*Calculate **MDD (Maximum Day Demand)** based on forecasted peak monthly Total Production. This is Suez's RAFN forecast.*

The following is a quick summary of each step in the forecast methodology. A more detailed explanation is set out in section V.D beginning on page 17.

- *STEP ONE: Church Econometric Model (population, number of households, and non-agricultural employment for Ada County).* The first step is to project the population, number of households, and non-agricultural employment within Ada County for the years 2015 through 2065 using the Church Econometric Model (an economic model he first developed for Idaho Power Company). Prof. Church employed COMPASS' *2040 Communities in Motion* projections through the year 2040 to calibrate his econometric model (see footnote 12 at page 11). The resulting Ada County household forecast is then used to predict Suez's residential customers (Step Three). The resulting Ada County non-agricultural employment forecast is used to predict the number of Suez's commercial customers (Step Four). The resulting population forecast is not used to forecast Suez's RAFN.

- *STEP TWO: Allocate to each TAZ; sum for Planning Area.* The population and household forecast data from Step One is then distributed to each TAZ in Ada County based on the ratios developed by COMPASS (through 2040) and adjusted by Prof. Church based on his professional judgment after 2040. The numbers for each TAZ within Suez's Planning Area are then summed to produce population and household forecasts for Suez's Planning Area. These allocations are not used to drive Suez's water demand forecast, but they do corroborate that forecast, and they are useful to Suez for other planning purposes.

- *STEP THREE: Number of residential customers.* To forecast the number of Suez residential customers, Prof. Church employed a multivariate linear regression that examined historical company data on the number of residential customers to predict the future number of residential customers (the dependent variable) as a function of the following independent variables: (1) the projected number of households in Ada County (from Step One), (2) a downward-trending trend variable (to reflect the declining percentage of Ada County growth within the Planning Area), and (3) a binary variable (to account for the "bump" in residential customers from the acquisition of South County Water Company in 1999).

- *STEP FOUR: Number of commercial customers.* Prof. Church forecasted the number of commercial customers using a multivariate linear regression similar to the one he employed to determine the number of residential customers (Step Three). Here, he employed historical company data on the number of commercial customers to predict the future number of commercial customers (the dependent variable) as a function of the following independent variables: (1) projected non-agricultural employment in Ada County (from Step One), (2) an upward-trending trend variable (to reflect the increasing share of county-wide non-agricultural employment expected to be captured within the Planning Area), and (3) a binary variable (to account for the

"bump" in the number of commercial customers from the acquisition of South County Water Company in 1999).

- *STEP FIVE: Demand per residential customer.* To forecast future demand per residential customer for each month of the year, Prof. Church used a multivariate linear regression that employed historical company data on demand per residential customer to predict future demand per residential customer (the dependant variable) as a function of the following independent variables: (1) five seasonal variables reflecting distinct monthly water use patterns from July through November, (2) weather variables reflecting temperature and precipitation, (3) the real price of water, (4) a downward trending trend variable (to reflect water conservation, and related factors), and (5) a binary variable (to reflect the change in customer profile when South County Water Company was acquired). As a conservative measure, no upward adjustment in per-customer demand was included to reflect anticipated declines in the percentage of customers with access to NPI (non-potable irrigation) water.

- *STEP SIX: Demand per commercial customer.* Demand per commercial customer was developed in a manner similar to demand per residential customer. This forecast used a multivariate linear regression that employed historical company data on demand per commercial customer to predict future demand per commercial customer (the dependant variable) as a function of a subset of the independent variables used in the residential demand regression: (1) five seasonal variables, (2) two weather variables, and (3) the real price of water. Unlike the regression for per-customer residential demand, this did not employ a trend variable (because expected gains in water conservation will be offset by the expected growing size of each commercial customer). Nor did it employ a binary variable (because no statistical difference in demand per commercial customer was detected based on the acquisition of South County Water Company).

- *STEP SEVEN: Public authority sales.* Sales to public authorities were determined as a function of the combined sales to residential and commercial customers.

- *STEP EIGHT: Other sales.* Demand for other sales was determined as a function of the combined sales to residential, commercial, and public authority customers.

- *STEP NINE: Total billed sales.* Total billed sales is simply the sum of the calculations made above: Residential demand (number of residential customers times demand per customer) + commercial demand (number of commercial customers times demand per customer) + public authority sales + other sales.

- *STEP TEN: Total production (by month).* Total production is a function of total billed sales (residential, commercial, public authority, and "other"). This function takes into account the time-lag between billing for sales and actual production (from wells and surface water). This function is a simple month-by-month ratio analysis, reflecting the stable relationship over time between sales and production. The forecast generates predicted monthly (and annual, by summation) totals for production and other categories. The monthly production totals drive the RAFN forecast. The annual totals are included for other planning purposes.

- *STEP ELEVEN: Non-billed production.* As noted in Step Ten, the forecast for total production is derived from forecasted customer sales. Total production includes both billed production (customer sales) and non-billed production (system losses, company water use, and non-billed hydrant use). In Step Eleven, Prof. Church "backed out" the non-billed production components from the forecasted total production. This step is not necessary for the RAFN forecast, because the forecast for total production (Step Ten) includes both billed and non-billed production. The backing out of non-billed production from that total is done for company planning purposes and to provide a more complete picture of how the various components of production compare.

- *STEP TWELVE: Maximum Day Demand.* The driver for determining the maximum diversion rate required to meet Suez's RAFN is the projection of Maximum Day Demand ("MDD"), also known as peak day production, at the end of the Planning Horizon. This is determined by applying a peaking factor derived from the stable historical relationship between monthly production during the peak month and production on the peak day of that month. The peak day production equates to 3.51 percent of the maximum monthly production. This equates to a very modest peaking factor of 1.09 times the average daily production during the year's highest month of production, also known as Maximum Month Average Daily Demand ("MMAD"). This yields a MDD, or peak day production, of 370.87 cfs in 2065. Storage within the delivery system will be employed to meet Suez's peak instantaneous demand during the peak day.

D. Detailed discussion of forecast methodology

(1) Step One: Church Econometric Forecast

Prof. Church previously developed an econometric model ("Church Econometric Model") for Idaho Power Company to assist in the prediction of electric power demand in counties served by that company. The model projects future population, number of households, employment by industry and year, and total personal income by year for the state and for each of Idaho's counties.

The first step in the Church Forecast was to update the Church Econometric Model to forecast Ada County population, number of households, and non-agricultural employment through 2065. This was necessary because the latter two—households and employment—drive the water sales forecasts (for residential and commercial customers, respectively). When COMPASS' *2040 Communities in Motion* projections became available, Prof. Church used them to calibrate his econometric model so that its projections track the COMPASS projections through the year 2040. (See footnote 12 at page 11.)

The econometric model also forecasts population, but that is not a factor in forecasting Suez's future demand. The population forecast is used for other purposes and serves as well to corroborate Prof. Church's demand projections based on his econometric model. (See discussion of Step Two in section V.D(2) beginning on page 19 and discussion of Rates of Growth in section V.E beginning on page 32.)

This model was employed, because there are no published sources that project households and non-agricultural employment on a county basis out to the year 2065. Much less are they projected specifically within Suez's Planning Area (which, as described in section IV beginning on page 5, includes portions of the Cities of Meridian, Boise, and Eagle, and unincorporated Ada County).

The model determines annual population resulting from natural population increases (*i.e.*, annual births minus deaths), plus annual population migration into or out of Ada County. To forecast the natural rate of population growth, a cohort-component population algorithm projects the annual number of births and deaths in the County and in turn projects annual population by five-year age groupings (the age cohorts) using Ada County specific fertility and mortality rates. The annual migration of population into or out of Ada County is driven by the model's economic forecast that predicts the labor force necessary to meet projected future employment requirements. The model projects the net migration component of annual population change from the difference between the labor force supplied by natural increases to the existing population and the required labor force projected by the economic forecast.

The Church Econometric Model is a simultaneous equation model, which uses forecasts of national economic concepts to drive forecasts of particular industry performance in the Idaho economy and local demands on sectors of the Idaho economy, as well as local area personal income and population to predict employment demand in the State. The forecasted number of employed persons is further adjusted to account for a portion of the population being unemployed at any one time.

The results generated by the model showing the forecasted annual Ada County population, households, and non-agricultural employment are displayed in Appendix A in Table A3 on pages A-61 and A-62. Monthly numbers are shown in Table A4 on pages A-67 through A-111. Prof. Church's model forecasts Ada County's population to be 998,120 in the year 2065, which is 2.3 times the population in 2015. As noted, that number does not drive the water demand forecast. Instead, it is the numbers for households and non-agricultural employment that drive the forecasts for residential and commercial sales, respectively. Prof. Church's model forecasts 391,798 households in Ada County in 2065. (See Forecast Tables 2 and 5 below.)

(2) Step Two: Allocate population and households to each TAZ; sum for Planning Area

In Step Two, Prof. Church distributes his total county-wide forecast of population and number of households (derived in Step One) to individual TAZs. This allows Prof. Church to forecast these factors for Suez's Planning Area.

COMPASS has divided Ada and Canyon counties into hundreds of TAZs, which are small geographic areas used to analyze and predict traffic flow patterns. Each TAZ is typically a tiny fraction of the size of a zip code. There are 1,311 TAZs in Ada County alone.

COMPASS allocates its total projected population and number of households within the two counties to each TAZ. COMPASS performed this allocation for each five-year increment between 2010 and 2040.[15] This allows COMPASS to derive the future population and number of households for each municipality by adding up all of the TAZs within a city's area of city impact. It did the same for unincorporated areas outside of areas of city impact. Prof. Church used the TAZs in the same way as COMPASS did to tally population and number of households within Suez's Planning Area.

Prof. Church simply applied COMPASS' allocation of population and number of households per each TAZ to allocate his own forecast of population and number of households (Step One) to each TAZ for each five-year increment between 2010 and 2040 (Step Two). Thus, if COMPASS put x% of its total Ada County projected population into a particular TAZ for a particular year, Prof. Church put the same percentage of his projected Ada County population into that TAZ for that year.

But COMPASS' projections extend only to 2040, while Prof. Church's projections go to 2065. Accordingly, for each five-year increment from 2045 to 2065, Prof. Church used his professional judgment, familiarity with the area, his study of the relevant zoning requirements and comprehensive plans, and his knowledge of recent and projected developments to make minor adjustments in the allocation to certain TAZs. In doing so, he was careful to allow each TAZ to continue to grow only until it achieved a reasonable level of "build out" density reflecting applicable planning and zoning for that TAZ. When that maximum density was reached, no further population or households were allocated to that TAZ. Instead, growth was directed to neighboring TAZs (in concentric circles) that had "room to grow." In this way, Prof. Church ensured that the allocations to individual TAZs for each year were consistent with the zoning and land use plans of each community and accurately reflected reasonable expectations based on most up-to-date information available.

The TAZ boundaries do not precisely follow the boundaries of the Suez's Planning Area, but they come close. The TAZ boundaries reflect geographic features or barriers (such as a river or canal), zoning densities, municipal boundaries, and the existing and predicted roadway

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[15] The key data from the COMPASS *2040 Communities in Motion* forecast of population and households is displayed in 5-year breakouts for the period 2010 to 2040 for all Ada County TAZs in Table A5 on pages A-114 through A-141 in Appendix A.

infrastructure. Most are entirely within or entirely outside of the Planning Area. For the few that straddle the boundary of the Planning Area, Prof. Church used professional judgment to allocate a fraction of the TAZ's population and households to the portion of the TAZ within the Planning Area. This is shown for each TAZ in Appendix A, Table A5, at pages A-114 to A-141.

It was then simply a matter of summing up the population and households for each TAZ (or fraction thereof) within Suez's Planning Area. The results are displayed in Appendix A, Table A6, pages A-144 and A-171.

These allocations were not used to drive Suez's water demand forecast, but they do serve to corroborate and fine-tune the Church forecast by allowing various comparisons and analyses. For instance, as discussed in section V.D(3) (Step Three) and Forecast Table 2, they serve as a "double check" of Prof. Church's projection of the number of residential customers. In addition, they are used to evaluate and contrast various growth rates, as discussed in section V.E (Rates of growth) and Forecast Table 5. Finally, they are useful to Suez for other planning purposes.

(3) Step Three: Number of residential customers

Suez has historical monthly billing data on its number of residential customers.[16] One could perform a simple trend-line linear regression on that data to extrapolate the number of residential customers through the year 2065. Doing so, however, would not yield an accurate prediction. It would overstate future customer growth. This is because Suez's Planning Area is, to some extent, "boxed in" by surrounding communities served by other providers and by public lands that will not be developed. As a result, Suez's customer base will continue to grow, but at a slower pace than it has in the past. Likewise, in the years ahead, Ada County will grow faster outside the boundaries of the Planning Area than it will within those boundaries.

Prof. Church determined that the number of households in Ada County has a strong correlation to the number of residential customers served by Suez. Accordingly, Prof. Church employed a multivariate linear regression that analyzed historical company data on the number of residential customers to predict the number of residential customers in the future (the dependent variable) as a function of the number of Ada County households (an independent variable). The regression analysis was further refined by employing two other independent variables: (i) a binary variable (0 or 1) accounting for Suez's acquisition of the South County Water Company in 1999, and (ii) a downward-trending trend variable reflecting Suez's declining share of population and household growth in Ada County.

The binary variable corrects for a "bump" in the historic customer data in 1999, when Suez acquired South County Water Company and its territory, which added over 4,000 residential customers.

As noted above, population and the number of households in Ada County is growing faster than within Suez's Planning Area. This is the reason that Prof. Church employed a downward-

[16] Although Suez bills on a bi-monthly basis, it has monthly billing data (*i.e.* data from bills issued each month) . See footnote 14 at page 12 regarding lag time in billing.

trending trend variable. (This is simply a series of numbers: -1, -2, -3, etc.) When added to the regression analysis, the trend variable captures the statistically significant phenomenon indicating that over time Suez's Planning Area is capturing a smaller percentage of the overall household growth in Ada County. The trend variable is a conservative correction to the projection. The effect of this downward-trending variable is to pull down the projection of residential customers by recognizing the historical and ongoing trend toward a lower percentage of Ada County growth within the Planning Area.

The trend variable also addressed the fact that there is not a one-to-one correlation between residential households in Suez's Planning Area and the number of residential customers. This is because many residential households reside in multi-family housing units, such as apartment buildings, that are master metered (*i.e.*, there is one water meter for an entire apartment complex or apartment building). Although they are actually residential "households," many of these multi-family units are classified in Suez's billing system as a single commercial customer. Accordingly, there are fewer residential customers than there are households within the Planning Area. Nevertheless, there is a strong correlation between the number of Ada County households and the number of Suez customers. The trend in this relationship (*i.e.*, the increasing density within the Planning Area and corresponding increasing disparity between households and customers) is also picked up by the trend variable, further strengthening the accuracy of the prediction.

This regression does not take into account a seemingly important factor: the changing shape of the Planning Area compared to the current service area. For this reason, Prof. Church thought it important to verify the accuracy of this residential customer projection with a separate population projection driven by geographic-specific information following the shape of the Planning Area. For this "double-check" prediction described in Step Two, Prof. Church first projected the population and number of households in Ada County for each year through 2065 (Step One). He then fine-tuned the distribution of that population and household data geographically across the county to determine the future population in Suez's Planning Area (Step Two). The results are in line with expectations, as shown in Forecast Table 2 and discussed below.

Forecast Table 2

Population, Households, and Residential Customers (annual numbers)

	Ada County Population	Ada County Households	Planning Area Population	Planning Area Households	Planning Area Residential Customers	Planning Area Households as a Percent of Ada County Households	Planning Area Population as a Percent of Ada County Population	Ratio of Planning Area Households to Planning Area Customers
2015:	431,010	161,214	247,345	99,519	79,976	61.7%	57.4%	1.2
2065:	998,120	391,798	449,708	219,236	196,658	56.0%	50.1%	1.1
Multiple of increase in 50 years	2.3	2.4	1.8	2.2	2.4			
Annual increase %	1.69%	1.79%	1.20%	1.59%	1.82%			
Reference Appendix A pages (or other basis):	A-61 A-62 A-157 A-171	A-61 A-62 A-157 A-171	A-157 A-171	A-157 A-171	A-3 A-4 cf. monthly: A-14 A-26	A-157 A-171	A-157 A-171	Planning Area households divided by residential customers

Forecast Table 2 shows that, while the total population and number of households within Suez's Planning Area increase over time, they represent a declining share of the projected future total population and number of households within Ada County. This shows that a substantial portion of the projected future county population is allocated to cities and unincorporated areas of the county outside of Suez's Planning Area. For example, the percentage of Ada County population within the Planning Area declines from 57.4% in 2015 to 50.1% in 2065. The allocation of households similarly declined from 61.7% in 2015 to 56.0% in 2065. In other words, Prof. Church's forecast is consistent with the trend recognized in the COMPASS *Communities in Motion 2040* forecast. It conservatively allocates less than a proportional amount of future population and households to TAZs within Suez's Planning Area.

The TAZ-based forecast of households within the Planning Area (Step Two) strongly corroborates the forecast of residential customers. For the year 2065, 219,236 households are predicted compared to 196,658 residential customers within Suez's Planning Area. For the reasons discussed above, one would expect the number of residential customers to be somewhat lower than the number of households. Moreover, the ratio of Planning Area households to Planning Area customers is also stable over time (1.2 in 2015 and 1.1 in 2065).

The Church Econometric Model (which was calibrated to the COMPASS projections) projects virtually identical but slightly lower population and slightly fewer households in Suez's Planning Area compared to the sum of COMPASS's TAZ forecasts for the same area in 2040 (the last year of COMPASS's forecast).[17] All of this provides a high level of confidence in Prof.

[17] For example, for the year 2040, COMPASS projects the Suez Planning Area population to be 346,269 and Suez Planning Area households to be 150,389. See Appendix A, Table A5, p. A-141. The Church Forecast projects slightly lower numbers in 2040: 345,259 (population) and 150,043 (households). See Appendix A, Table A6, p. A-171. Similarly, for the year 2040, COMPASS projects total Ada County population to be 674,144 and Ada

Church's projection of the number of households in Ada County (Step One), which drove his projection of the number of residential customers in the Planning Area (Step Three), which drove his projection of residential customer demand (Step Five). The same goes for Prof. Church's projection of non-agricultural employment (Step One) which, as discussed below, drove his projection of the number of commercial customers (Step Four), which in turn drove his projection of commercial demand (Step Six).

In addition to corroborating these projections, the TAZ-based forecast serves other important planning purposes for Suez. Notably, it provides detailed, geographic-specific information about increases in population and households that will be useful in site-specific infrastructure investment decisions.

(4) Step Four: Number of commercial customers

Suez also tracks the number of commercial customers through its billing data. In contrast with the trend in residential customers, however, Suez's base of commercial customers is growing at a somewhat faster pace than in the rest of the county. (This is because, on balance, commercial customers are concentrated more densely in Boise and other areas served by Suez than they are outside of the Planning Area.) Prof. Church determined that the number of commercial customers in Suez's Planning Area can be statistically correlated to total non-agricultural employment in Ada County. Accordingly, Prof. Church used the projected non-agricultural employment in Ada County to forecast the number of commercial customers in Suez's Planning Area.

Specifically, Prof. Church used a multivariate linear regression similar to the one he employed to determine the number of residential customers. Here, he employed Suez's historical company data on the number of commercial customers to predict the number of commercial customers in the future (the dependent variable) as a function of Ada County's non-agricultural employment (an independent variable, from Step One), which Prof. Church has determined are strongly correlated. The regression analysis was further refined by employing two other independent variables: (1) a trend variable to reflect the increasing share of county-wide non-agricultural employment captured within the Planning Area, and (2) a binary variable to account for the "bump" in commercial customers from the acquisition of South County Water Company in 1999.

The commercial customer regression statistics, as shown on pages A-182 and A-183 of Appendix A, reflect a strong correlation. During the forecast period, Prof. Church's forecast projects that Suez generally will realize one additional commercial customer in the Planning Area for every additional 31 non-agricultural jobs gained in Ada County.

The results of these residential and commercial customer regression analyses are shown in Appendix A, pages A-3 and A-4. They show that the number of commercial customers will increase from a level of 9,045 customers in 2015 to 19,618 in 2065, a multiple of 2.2 over 50

County households to be 272,724. See Appendix A, Table A5, p. A-141. The Church Forecast projects slightly lower numbers in 2040: 663,958 (population) and 255,676 (households). See Appendix A, Table A6, p. A-171.

years, reflecting an annual growth rate of 1.56% per year. (Note that these are annual numbers. The commercial customer numbers for each year's peak month is virtually identical. See Forecast Tables 4 and 5 below.)

(5) Step Five: Demand per residential customer

Next, Prof. Church determined the quantity of demand per residential customer. (This number multiplied by the number of residential customers (Step Three) would then yield total residential customer demand.)

To project monthly (and, by summation, annual) water demand per customer through the Planning Horizon, Prof. Church used a statistical analysis of monthly residential demand per residential customer (the dependent variable). Historical residential demand per customer was extrapolated by a multivariate linear regression that forecast monthly residential billing per residential customer as a function of the following independent variables:

- seasonal water use (five variables reflecting distinct monthly water use patterns from July through November)
- the effects of weather (a variable constructed as weighted average of monthly average temperatures and another variable constructed as a weighted average of precipitation that affected each bi-monthly billing period)
- a binary variable that captures the effect of the acquisition of South County Water Company in 1999 (whose customers had different per-customer demand than other Suez customers)
- the real price of water (the price of water adjusted for the effects of price inflation)
- a downward-trending trend variable that captures the increasingly effective water conservation efforts resulting from efficiency improvements, such as, water-saving devices, smaller irrigated areas, increased xeriscaping, and the effect of education and cultural change

The last two factors (price and conservation), in combination, have pushed average per capita water consumption down dramatically in recent years. That trend is expected to continue throughout the Planning Horizon. This is reflected very strongly in both annual water use data and water use data during the non-irrigation season. In contrast, per-customer residential demand during the peak month has shown no consistent decline. The trend does not follow a straight line due to the number of factors in play. Peak month demand per residential customer declined from a high of 31,830 gallons/month per residential customer in August 1999 to 20,530 gallons/month in September 2011 (the last year of non-forecast data). (Appendix A, pages A-12, A-14.) The forecast of future monthly residential water demand trends upward to 24,370 gallons/month in September 2025, before trending down to 22,770 gallons/month in September 2065. (Appendix A, pages A-17, A-26.) See also the discussion below in section V.E at page 32, including the growth rates displayed in Forecast Tables 4 and 5.

In addition to price and conservation, another major factor affecting residential water use is the availability of NPI (non-potable irrigation) water. This refers to surface water provided by irrigation districts and other entities.

Because NPI water is provided by others, any increase in NPI corresponds to less water supplied by Suez. On average, Suez customers who live in subdivisions with access to NPI use 31.76% less water than do Suez customers that have no access to NPI. See Appendix A, Table A7, at page A-174.

Customers with access to NPI may still use some water provided by Suez for lawn irrigation, but most of that use is during the shoulder season when NPI water is not available. This shoulder season use is inconsequential to the projection of peak demand, because use during the shoulder season does not occur during the time of peak demand during the irrigation season.

In recent years, the construction of separate lawn irrigation systems relying on NPI has accelerated as new subdivisions have replaced farmland served by surface irrigation water provided by irrigation districts and others. Indeed, the use of surface water (as opposed to ground water) is mandated in new subdivisions where surface water is "reasonably available." Idaho Code § 67-6537. The trend toward NPI in new residential subdivisions is well established throughout the Treasure Valley. The vast majority of new NPI is brought on line as new subdivisions are constructed. Some new NPI comes on line as existing homes are retrofitted to install new NPI water systems. Such retrofitting, however, is quite rare due to the high cost.

Decades of increasing use of NPI within Suez's current service area have driven down per-customer water demand. Prof. Church examined the locations of existing agricultural surface water irrigation infrastructure to determine whether this trend will continue as Suez expands service in the Planning Area. This examination revealed that most of the surface water irrigated land within Suez's Planning Area already has been converted from traditional agriculture uses to residential and commercial uses. To a large extent, areas that are now undeveloped or sparsely developed (*i.e.*, those areas within the Planning Area where the most growth is expected over the Planning Horizon) are not currently irrigated. Because that dry land has no access to surface waters that could be used for NPI systems, lawns will be irrigated with potable water provided by Suez when it is developed. Accordingly, it is anticipated that the percentage of Suez customers using NPI for their lawn irrigation will gradually decline in the future. This is in contrast to the rest of Ada County where, for the reasons noted above, use of NPI is expected to increase.

Although a decline in NPI use within the Planning Area is anticipated, predicting the extent of that decline is difficult. For this reason, Prof. Church did not explicitly factor into his regression analysis a factor reflecting a trend toward a lower percentage of NPI use. The decision not to factor in declining NPI use will tend to overestimate the future use of NPI, and thus underestimate Suez's projected demand. In other words, this was a conservative assumption; Suez's actual peak demand is likely to be somewhat higher to the extent the ratio of NPI-to-non-NPI development declines over time, as expected.

(6) Step Six: Demand per commercial customer

Demand per commercial customer was developed in a manner similar to demand per residential customer. This forecast used a multivariate linear regression that employed historical company data on monthly commercial demand per commercial customer to predict demand per customer in the future (the dependent variable) as a function of some of the same independent variables used in the residential demand regression: (1) the five seasonal variables, (2) the weather variables, and (3) the real price of water. Unlike the regression for per-customer residential demand, this regression did not employ a trend variable (because gains in water conservation are expected to be offset by the growing size of each commercial customer). Nor did it employ a binary variable, because no statistical difference in demand per commercial customer was detected based on the acquisition of South County Water Company. (In contrast, there was a bump in the number of commercial customers. So a binary variable was used in forecasting the number of commercial customers in Step Four.)

As shown in Appendix A, page A-4, the Church Forecast projects Suez's annual water use per commercial customer in 2065 to be 645,979 gallons/year (corresponding to 1,770 gallons/day). This represents a decrease of 4.8 percent compared to commercial customers' annual water use of 686,500 gallons/year between 1984 and 2007, and a 1.8 percent decrease compared to annual water use of 665,260 gallons/year between 1984 and 2011.

Prof. Church believes a steady decrease in commercial water demand between 2008 and 2011 likely was a short term phenomenon resulting from the recession. Annual average water use per commercial customer from 2008 through 2011 was 538,110 gallons/year (corresponding to 1,474 gallons/day). As would be expected during a recession, the local economy slowed, commercial employment fell, and water use at commercial establishments also declined. Likewise, it is to be expected that, as the local economy recovers (which already is occurring), water use per commercial customer will increase. Prof. Church's forecast conservatively assumes that by 2065 annual commercial demand per customer will increase to a level that is slightly below the annual per customer commercial demand that was experienced prior to the recession. See also the discussion below in section V.E at page 32, including the growth rates displayed in Forecast Tables 4 and 5.

(7) Step Seven: Public authority sales

The public authority customer class includes water uses in government buildings, parks, and other public facilities—all of which are metered and billed bi-monthly like residential and commercial customers. Prof. Church determined that there is a stable historical relationship between billing to public authority customers and the combined sales to residential and commercial customers. Accordingly, the forecasted public authority sales is assumed to be 0.61 percent of the projected annual total of residential and commercial sales.

Total annual water sales to public authorities is expected to increase to 200,005,000 gallons/year in 2065. Appendix A, at page A-6. This is an annual increase of 1.6 percent above 2015's total of 90,006,000 gallons/year. Appendix A, at page A-5. Public authority annual water demand projections through 2065 are set forth in Appendix A, pages A-5 and A-6 and monthly public authority water demand projections are set forth in Appendix A, pages A-27 through A-42.

(8) Step Eight: "Other" sales

"Other" sales includes temporary customers (typically construction contractors) that use water from fire hydrants. Suez tracks these water sales by providing the water user with a hydrant meter. (These water sales are not included in the "non-billed hydrant use" category discussed below.) Prof. Church determined that there historically has been a stable relationship between other billed production and the total billing to residential, commercial, and public authority customers. Accordingly, the forecasted other billed production is assumed to be 0.235 percent of the total projected water billing to residential, commercial, and public authority customers.

Total annual "other" sales demand is expected to increase to 76,183,000 gallons/year in 2065. Appendix A, at page A-6. This is an annual average increase of 1.47 percent above 2015's total of 36,707,000 gallons/year. Appendix A, at page A-5. Monthly and annual water projections for "other" sales through 2065 are set forth in Tables B1 and B2 with annual figures presented on Pages A-5 and A-6 and projected monthly "other" sales shown on Pages A-27 through A-42 of Appendix A.

(9) Step Nine: Total billed sales

Total billed sales is determined by summing the predicted quantities for each of the billed categories:

(1) Residential demand (number of residential customers from Step Three times demand per residential customer from Step Five).

(2) Commercial demand (number of commercial customers from Step Four times demand per commercial customer from Step Six).

(3) Public authority sales (Step Seven).

(4) "Other" sales (Step Eight).

(10) Step Ten: Total production

Total production is projected as a function of total billed sales to all customers (residential, commercial, public authority, and "other") derived in Step Nine. This function was determined by examining the historical relationship between (1) total billings in a month and (2) Suez's total water production in that same month. Despite the time-lag associated with the billing data,[18] this examination found a stable relationship between billed water sales and total water production for each month across 12 years of historical data. Therefore total billed water sales are a reliable predictor of water production via this month-by-month analysis.

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[18] Each customer bill reflects water used by the customer during a two-month period prior to the date of billing. See footnote 14 at page 12.

In other words, for each of the 12 months, there is a ratio that will convert total billed sales to total production. Due to the time-lag between production and billing (sales), the ratio will be greater than one in some months and less than one in other months. The average of all 12 monthly ratios would be somewhat greater than one, because total water production includes water produced for non-billed categories (company use, non-billed hydrant use, and system water losses) discussed in Step Eleven.

Although the ratio is different for each month of the year, for any given month the ratio is stable across the forecast period. For example, the ratio of total water production to total billings in August is 1.10. Total billed sales for August 2065 equal 6,194,778,000 gallons/month. See Appendix A, page A-42. Multiplying that number times 1.10 yields 6,829,107,000 gallons/month as the projection for total actual production in August 2065. See Appendix A, page A-58.

(11) Step Eleven: Non-billed production

In addition to water billed to customers, Suez produces three categories of water that is not sold to customers.

The largest is "system losses"—water that is diverted but never billed, because it is lost to the system before delivery. This includes system leakage, other malfunctions, water stored under approved aquifer storage and recovery programs, and water theft.

The next largest category is "company use." This is water used by Suez for system operations. This primarily includes water required for flushing pipes and cleaning filters. It also includes a negligible amount of water used for domestic and irrigation purposes at Suez's offices and facilities.

The smallest category of non-billed production is "non-billed hydrant use." This includes water taken from hydrants without charge by public authorities for fire fighting and street cleaning. This category of hydrant use does <u>not</u> include hydrant use that is billed (which falls under the category of "other" sales discussed above).

Each month Suez tallies total water production and prepares estimates for each of these three categories of non-billed production. Prof. Church evaluated this historical data and determined that, while the relationship between each non-billed category and total production varies considerably month to month, the relationship for any given month has remained stable over time.

Accordingly, Prof. Church used 12 years of recent historic data (actual production numbers and company estimates for each non-billed category from 2000 to 2011) submitted to the Idaho Public Utilities Commission to develop a "calendar month parameter" for each month of the year for each of the non-billed categories. These are displayed in Forecast Table 3 below.[19] For

[19] The percentage number (or ratio) for "company use" surges in April, because this corresponds to when Suez engages in system flushing. The percentage number for "system losses" peaks in May, for several reasons. First, this is a ratio, not an absolute measure of system losses; the ratio declines as production increases. Second,

example, system losses account for 6.457% of all January production, but they account for only 2.363% of August projection.

Forecast Table 3

"Calendar Month Parameters"

Non-billed Water Production as a Percent of Total Water Production by Calendar Month

(Based on 10 years of historical data)

Month	System Loses	Company Use	Non-Billed Hydrant Use
January	6.457%	0.142%	0.011%
February	5.953%	0.175%	0.002%
March	5.912%	0.157%	0.007%
April	5.912%	1.369%	0.005%
May	9.199%	0.975%	0.016%
June	8.753%	0.128%	0.019%
July	7.834%	0.196%	0.094%
August	2.363%	0.169%	0.048%
September	1.529%	0.237%	0.027%
October	2.524%	0.229%	0.055%
November	3.852%	0.218%	0.041%
December	4.513%	0.200%	0.015%

These calendar month parameters were then applied to the forecasted total production for each month in order to break out the quantity for each category for each month through 2065. Annual projections of water production for these three non-billed categories through 2065 are presented in Appendix A, Pages A-7 and A-8. Monthly projections are shown in Appendix A, pages A-43 through A-58.

Due to anticipated improvements in Suez's water production and distribution system, the projections of system losses (the largest category of non-billed production) as a percentage of total annual water production are declining slightly over the forecast horizon.[20]

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absolute system losses are greatest when the system is charged in early Spring, after which leaks and malfunctions are discovered and corrected. Third, "system losses" includes approved injection of Suez distribution system water into wells to facilitate improved water quality during peak season pumping; such injection occurs primarily during non-peak production periods. Fourth, the company estimates of system losses are based on billings, so there is a time-lag issue. In any event, as explained elsewhere, none of these non-billed production numbers have any effect on the RAFN projection (peak day production), which is based solely on total production.

[20] Although the calendar month parameters are fixed over time, there is nonetheless a downward trend in the percentage of annual non-billed uses compared to total production. This is because there is a change over time in each month's contribution to total annual water production. For example, over the course of 50 years, August production as a percentage of annual production rises from 16.805% in 2015 to 20.360% in 2065. (2,726,502 ÷

By 2065, Prof. Church projects that these three categories will total 1.77 billion gallons, which is only about 5.3% of the projected 2065 total water production of 33.5 billion gallons.[21] They make up even less of the peak month production—about 2.6%.[22]

This step (backing out the non-billed production from total production) is not necessary for RAFN purposes, because the forecast for total production (Step Ten) already includes billed and non-billed production). Prof. Church derived these numbers for non-billed production because they are useful to put the total system-wide demand into perspective. They are also used for other planning purposes by Suez.

(12) Step Twelve: Peak day production (aka MDD)

The discussion above (through Step Ten) explains how Prof. Church derived the projected peak month production for the year 2065: 6,829,107,000 gallons/month (which equates to an average of 340.8 cfs throughout the month of August 2065)[23]. (See Appendix A, page A-58.) The next and final step is to determine the maximum day demand ("MDD"), which also is known as peak day production. This is the rate of flow that will be required to meet Suez's customer demand and other production requirements on the highest single day of Suez production projected to occur in the last calendar year of the Planning Horizon. MDD may be expressed in the number of gallons required on the peak day, and that number may easily be converted to cfs.

Largely due to summer landscape irrigation requirements, Suez experiences highest water demand during the summer months, with the MDD typically occurring in the month of August.

Based on historical data, Prof. Church determined that a strong and stable relationship exists between each year's maximum monthly production (the month with the highest production) and the MDD.[24] Accordingly, he uses this correlation to forecast MDD.

Between 2000 and 2011 (the most recent 12 years of historical data), Suez's records show its MDD averaged 3.51 percent of August monthly production for that year. This relationship has a standard deviation of 0.07 percent over the 11-year period, reflecting a very strong relationship.

16,224,222 = 16.805%, Appendix A, pages A-47, A-7; 6,829,107 ÷ 33,541,750 = 20.360%, Appendix A, pages B58, B8.) Because the months with relatively low calendar month parameters, such as August, are increasingly important contributors to annual production over time, system losses decline slightly over time on an annual basis.

[21] See Appendix A, page A-8: 102,419 + 10,674 + 1,656,382 = 1,769,475 x 1,000 = 1,769,475,000. 1,769,475 ÷ 33,541,750 = 5.275%.

[22] See Appendix A, page A-58: 11,540 + 3,246 + 161,363 = 176,149 / 6,829,107 = 2.579%.

[23] 6,829,107,000 gallons/month divided by 31 days is 220,293,774 gallons/day (MMAD), divided by the conversion factor of 646,316.889 yields 340.84 cfs.

[24] By contrast, the relationship between annual water production and MDD has not been as stable over time. Between 2002 and 2011, annual water production decreased by 14.7 percent while the MDD decreased by 11.7 percent.

As shown in Appendix A, page A-58, Suez's maximum monthly production in 2065 is predicted to be 6,829,107,000 gallons during the month of August 2065, and MDD (or peak day production) is predicted to be approximately 239,702,000 gallons per day (6.829107 billion x 3.51% = 239.702 million gallons).

Gallons per day may be converted to cfs by dividing the number of gallons/day by 646,316.889. Thus, MDD of 239,702,000 gallons per day translates to a continuous instantaneous flow over that 24 hour period of 370.87 cfs.

IDWR's *RAFN Guidance* employs the term MMAD ("Maximum Month Average Daily Demand") to describe the average daily production in the highest production month of the year.[25] The guidance calls for a default peaking factor for MDD:MMAD of 1.3. *RAFN Guidance* (Table 5 at page 15) (revised Mar. 16, 2015). Prof. Church's conversion factor (3.51 percent of the maximum monthly production) equates to peaking factor of 1.09, which is well below IDWR's default peaking factor of 1.3.[26] These figures are displayed in the following Forecast Table 4:

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[25] The Department's guidance contains these definitions:

> Maximum Month Average Daily Demand (MMAD):
> The maximum monthly average daily demand is the average daily demand from the peak demand month, which is typically July or August when out of home residential water use is at its peak. This value can only be calculated when municipal records contain monthly diversion data. It is obtained by dividing the monthly diversion volume by the number of days in the month, for each month, and selecting the largest monthly value.
>
> Maximum Day Demand (MDD):
> The design maximum day flow is the largest volume of flow to be received during a continuous 24 hour period in a calendar year, expressed as a volume per unit time. In order to determine this value, diversion records must have a daily recording interval. Often daily records are not available. In these instances MDD values can be estimated by multiplying ADD or MMAD values by an appropriate peaking factor. If storage is used by the water provider to meet peak demands, then the MDD value represents the maximum diversion rate that should be authorized by the RAFN water right permit.

RAFN Guidance, p. 14 (revised Mar. 16, 2015).

[26] 0.0351 times 31 days = 1.09. Or, 239,702,000 (MDD) / 220,293,774 (MMAD) = 1.09. Thus, since the average day total production in August 2065 (MMAD) is 340.84 cfs (see footnote 23), the peak day production (MDD) in August 2065 is that number times 1.09, which is 370.87 cfs.

Forecast Table 4 Peaking Factor Calculation (August 2065)					
Total Month Production (gallons)	**MMAD (gallons) (Month ÷ 31)**	**MDD (gallons) (based on month x .0351)**	**MDD (gallons) (based on MMAD x 1.0881)**	**MDD (cfs) (gallons ÷ 646,316.889)**	**Reference to Appendix A Pages**
6,829,107,000	220,293,774	239,701,656	239,701,656	370.87	A-58

The peak hour demand ("PHD") would be somewhat higher than 370.87 cfs, and the peak instantaneous demand ("PID") would be higher yet. Prof. Church did not calculate those numbers because Suez expects to use storage within the delivery system to meet demand peaks during the course of the peak day.

E. Rates of growth

The bottom line is that the Church Forecast predicts a modest rate of growth over the next 50 years. A summary of growth in population, households, customers, and production is set out in Forecast Table 5 below.

Forecast Table 5

Growth and Rates of Growth (2015-2065): Population, Households, Customers, Production

	2015	2065	Multiple of increase in 50 years	Annual increase %	Reference to Appendix A Pages
Ada County population (year)	431,010	998,120	2.3	1.69%	A-61, A-62, A-155, A-171
Planning Area population (year)	247,345	449,708	1.8	1.20%	A-155, A-171
Ada County households (year)	161,214	391,798	2.4	1.79%	A-61, A-62, A-155, A-171
Planning Area households (year)	99,519	219,236	2.2	1.59%	A-155, A-171
# of Residential Customers (Sept.)	80,285	197,427	2.5	1.82%	A-15, A-26
# of Commercial Customers (Sept.)	9,089	19,665	2.2	1.56%	A-15, A-26
# of All Customers (Sept.)	91,001	220,862	2.4	1.79%	A-31, A-42
Total Residential Sales in Peak Month (1,000 gal.) (Sept.)	1,705,537	4,494,806	2.6	1.96%	A-15, A-26
Total Residential Sales (annual) (1,000 gal.)	9,779,315	19,696,742	2.0	1.41%	A-3, A-4
Total Commercial Sales in Peak Month (1,000 gal.) (Sept.)	781,360	1,745,086	2.2	1.62%	A-15, A-26
Total Commercial Sales (annual) (1,000 gal.)	5,578,620	12,672,707	2.3	1.65%	A-3, A-4
Total Sales in Peak Month (1,000 gal.) (Sept.)	2,516,584	6,314,377	2.5	1.86%	A-31, A-42
Total Sales (annual) (1,000 gal.)	15,484,647	32,645,637	2.1	1.50%	A-5, A-6
Total Production in Peak Month (Aug.)	2,726,502	6,829,107	2.5	1.85%	A-47, A-58
Total Production (annual) (1,000 gal.)	16,224,222	33,541,750	2.1	1.46%	A-7, A-8
Peak Day Production (MDD) (1,000 gal.)	95,700	239,702	2.5	1.85%	A-7, A-8, A-47, A-58

Each of the items listed in Forecast Table 5 shows an annual increase of less than 2 percent (within a fairly tight range from 1.20% to 1.96%).

As shown in the table, Suez's peak month total production and peak day production will increase by 1.85% each year, increasing by a multiple of 2.5 over 50 years. That is somewhat higher than the rate of projected population growth within the Planning Area (1.20% per year and a 50-year multiple of 1.8). This is because demand is driven more by the number of residential customers

than by the number of people. Indeed, the rate of growth in peak month production (1.85% per year) is in line with rate of growth in residential customers (1.82% per year). This reflects the fact that the number of persons per household is decreasing, resulting in a faster rate of household growth when compared to population growth.

The annual growth rate for commercial customers (1.56%) is also above the population growth rate in the Planning Area (1.20%). This reflects the fact that, as the Planning Area becomes denser and more urbanized, the number of businesses in relation to overall population will continue to increase.

Forecast Table 6 below summarizes the changes in demand-per-customer (for both residential and commercial customers), contrasting this with changes seen in other factors.

Forecast Table 6

Changes in Demand per Customer (2015-2065)
(All productions numbers in 1,000 gal.)

	2015	2065	Multiple of increase in 50 years	Annual increase %	Reference Appendix A Pages
# of Residential Customers (Sept.)	80,285	197,427	2.5	1.82%	A-15, A-26
Residential Use per Customer (Sept.)	21.24	22.77	1.1	0.14%	A-15, A-26
Total Residential Sales (1,000 gal.) (Sept.)	1,705,537	4,494,806	2.6	1.96%	A-15, A-26
Residential Use Per Customer (Jan.)	3.5	1.35	0.4	-1.89%	A-15, A-26
Residential Use Per Customer (annual)	122.28	100.16	0.8	-0.40%	A-3, A-4
# of Commercial Customers (Sept.)	9,089	19,665	2.2	1.56%	A-15, A-26
Commercial Use per Customer (Sept.)	85.97	88.74	1.0	0.06%	A-15, A-26
Total Commercial Sales (Sept.)	781,360	1,745,086	2.2	1.62%	A-15, A-26
# of All Customers (Sept.)	91,001	220,862	2.4	1.79%	A-31, A-42
Total Sales (Sept.)	2,516,584	6,314,377	2.5	1.86%	A-31, A-42
Total Production in Peak Month (Aug.)	2,726,502	6,829,107	2.5	1.85%	A-47, A-58

As discussed in section V.D(5) (Demand per residential customer) beginning on page 24, the trend in average annual demand per residential customer is clearly downward. However, that decline is concentrated in the non-irrigation season. Per residential customer demand during the irrigation season is projected to be relatively stable throughout the Planning Horizon. As noted above, this is a conservative assumption, because no upward adjustment in demand was made to reflect the anticipated decline in the ratio number of NPI versus non-NPI households.

Meanwhile, as discussed in section V.D(6) (Demand per commercial customer) beginning on page 26, commercial demand per customer is projected to remain fairly stable. This reflects the fact that gains in conservation and efficiency will tend to be offset by the growing average size of commercial customers and the intensity of their water uses. For example, efficiency gains may allow a company to make a widget with less water. But, in the future, companies will tend to make more widgets per commercial customer.

VI. GAP ANALYSIS

A. Overview

This section of the *Master Water Plan* describes Suez's portfolio and analyzes the "gap" between that portfolio and what will be needed to cover Suez's RAFN through the end of the Planning Horizon in 2065. The protocol for evaluating the difference between a water provider's existing portfolio and its RAFN is referred to in the Department's *RAFN Guidance* as a "gap analysis." *RAFN Guidance*, p. 16. This analysis comports with that guidance.

As described in Step Twelve (section V.D(12) starting on page 30), the Church Forecast projects that Suez's peak day production (MDD) will be 370.87 cfs at the end of the Planning Horizon in 2065.

Comparing that to Suez's portfolio is not a trivial task. The company's portfolio consists of 125 ground and surface water rights and entitlements, including storage water entitlements. A spreadsheet displaying the elements of each water right and water entitlement is set out in Exhibit 2 at page 47. Because of the way they interact, determining the system-wide maximum authorized diversion rate for the entire portfolio involves more than summing the diversion rates stated on the face of the right or entitlement. Doing so would yield a total of 415.01 cfs. That simple addition overstates the extent of the system-wide right to divert by failing to adjust for three things: (1) combined instantaneous rate limits, (2) annual volume limits (individual and combined), and (3) temporal (timing/availability) considerations.

When the combined rate limits are taken into account, the total drops by 44.67 cfs to 370.34 cfs. When the volume limits are also taken into account, the total drops another 19.76 cfs to 350.58 cfs. When temporal considerations are taken into account, the highest potentially available system-wide rate drops another 20.00 cfs to 330.58 cfs. This last number is the meaningful one to use in the Gap Analysis.

The bottom line is that forecast peak day production in 2065 (370.87 cfs) exceeds Suez's current portfolio of water rights and entitlements, which authorize, at most, diversions of 330.58 cfs. These numbers are summarized in Forecast Table 7.

Forecast Table 7 Summary of Gap Analysis	
Portfolio (all ground and surface rights and entitlements)	**cfs**
Total "paper" diversion rate (sum of each right)	415.01
Adjustment #1: Total diversion rate after accounting for combined rate limits	370.34
Adjustment #2: Total diversion rate after accounting for both combined rate limits and annual volume limits	350.58
Adjustment #3: Total diversion rate after also accounting for temporal considerations	**330.58**
RAFN	
Forecast for peak day (MDD) in 2065	**370.87**
Gap	
Difference between portfolio and RAFN	**40.29**

The three adjustments are explained more fully in the following sections.

B. Adjustment #1: Combined diversion rate limits

In some instances, two or more water rights will include a condition imposing a combined diversion rate for each of those rights. Typically (but not always) that combined limit is less than the sum of diversion rates on each right subject to the combined use limit. For example, water right nos. 63-04395, 63-08385, and 63-10150 have individual diversion rates that total 1.53 cfs. Yet they are subject to a combined diversion rate of 0.80 cfs. Thus, the sum of the rights overstates the amount that may actually be diverted.

When this adjustment is made for the entire portfolio of rights, the effective system-wide diversion rate drops 44.67 cfs, from 415.01 cfs to 370.34 cfs.

C. Adjustment #2: Annual volume limits

In addition, 30 of Suez's ground and surface water rights have annual volume limits. Annual volume limits restrict the amount of water that may be pumped under a right to something less than what could be diverted if the right were pumped constantly during its authorized period of use. For example, a 1.0 cfs year-round water right could divert a total of 724.0 AF if diverted constantly for an entire year. If the right had an annual volume limit of less than 724 acre feet, the right could not be diverted at its full authorized rate constantly for an entire year. For example, if this hypothetical 1.0 cfs water had a 362 AF annual volume limit (half of 724.0 AF/year), the right's annualized effective diversion rate would be reduced by half to 0.5 cfs for purposes of assessing Suez's portfolio. This calculation changes slightly where a right with an annual volume limit is authorized to divert for less than the entire year. (This primarily affects surface water rights. See footnote 27 at page 38.) For example, if the hypothetical 1.0 cfs right with a 362 AF annual volume limit was authorized to divert water only between March 1 and November 15 (a total of 259 days), the right's effective diversion rate would be reduced to 0.705 cfs (362 AF ÷ 259 days = 1.39768 AF/day ÷ 1.9835 = 0.705 cfs).

In some cases, annual volume limits are specific to a single right. In other cases, groups of rights are subject to combined volume limits (analogous to the combined rate limits discussed above).

The same calculation described above for individual rights applies to annual volume limits affecting multiple rights. Once the combined volume limit is converted to cfs, that quantity is allocated among the rights by order of priority until none is left.

For example, if each of three water rights were authorized to divert year-round at up to 1.0 cfs, but were subject to a combined annual volume limit of 1,086 AF, all three would be considered to have a total combined diversion rate of 1.5 cfs (1,086 divided by the conversion factor of 723.9775). For purposes of the Gap Analysis, one would allocate 1.0 cfs to the most senior, 0.5 cfs to the next most senior, and zero to the most junior water right.

D. Combining adjustments for diversion rate limits and volume limits

An example from Suez's portfolio is illustrated in the following table. This example involves three water rights each of which has (1) a combined diversion rate limit of 0.80 cfs and (2) a combined annual volume limit of 240.3 acre-feet.

Forecast Table 8

Elimination of Combined Annual Diversion Volume (Example)

Right No.	Priority Date	Div. Rate on face of rights (cfs)	Com-bined Rate Limit (cfs)	Allocation #1 (cfs)	Com-bined Vol. Limit (AF)	Effective Diversion Rate (cfs)	Allocation #2 (cfs)	Lesser of the two allocations (cfs)
63-04395	6/1/1950	0.56	0.80	0.56	240.3	0.33	0.33	0.33
63-08385	11/6/1977	0.49		0.24			0.00	0.00
63-10150	7/1/1983	0.48		0.00			0.00	0.00
TOTAL (cfs)		1.53	0.80	0.80		0.33	0.33	0.33

If the combined rate limit of 0.80 cfs were the only condition, the rate allocation to each of the water rights would be the one displayed under Allocation #1. However, that allocation is made irrelevant by the annual volume limit, which further reduces the combined diversion rate as shown in Allocation #2. (240.3 acre-feet divided by 723.9775 yields 0.33 cfs.)

The spreadsheet of the entire portfolio (Exhibit 2 at page 47) tracks this analysis for each right, always selecting the allocation that is the most restrictive.

As summarized in Forecast Table 9, after taking into account (1) the combined diversion rate limits and (2) annual diversion volume limits as described above (whichever is more restrictive), the authorized system-wide diversion rates of ground and surface water rights in Suez's portfolio totals 350.58 cfs. This is a drop of 19.76 cfs from 370.34 cfs, when only combined diversion rates were considered.

Forecast Table 9 Summary of Suez's Ground Water and Surface Water Rights (Mathematical sum after adjusting for rate and volume limits, but without adjustment for timing considerations)	
	Cfs
Ground Water (112 rights)	256.84
Surface Water (11 rights)	93.74
TOTAL GROUND WATER AND SURFACE WATER	**350.58**

The rate and volume limit adjustments for each water right in the portfolio are set out in spreadsheet reproduced in Exhibit 2 at page 47.

E. Adjustment #3: Temporal considerations applicable to certain surface water rights

With one exception, Suez's ground water rights are available year-round when in priority.[27] In contrast, most of Suez's surface rights are available only during particular times of the year.

The most common temporal consideration is a limitation to the irrigation season. Nine surface water rights totaling 48.94 cfs are available for diversion only during the irrigation season (beginning on March 1 or March 15 and ending on November 15).[28] All 48.94 cfs of these may be diverted at the Marden Treatment Plant; only 35.21 cfs may be diverted at the Columbia Treatment Plant.

As a practical matter, the irrigation season limitation does not affect Suez's ability to satisfy peak day demand because the peak day occurs during the irrigation season. Accordingly, no adjustment in rate of flow for purposes of the Gap Analysis is made to reflect the fact that some water rights are limited to irrigation season use.[29]

Two other types of temporal considerations may be relevant to satisfying peak day demand because they may occur during Suez's peak summer months: (1) exchanges of salmon flow augmentation water and (2) one right with a "flood release" condition. These two cannot occur

[27] The only ground water right with a season of use limitation is No. 63-10945. The irrigation component for this right is available only during the irrigation season. The IMAP proposes to eliminate this season-of-use limitation, along with the annual volume limit, by reducing the authorized diversion rate to a quantity sufficient to avoid enlargement.

[28] This total of 48.94 cfs consists of 46.21 cfs in salmon flow exchange rights and another 2.73 cfs in other rights that are limited to the irrigation season.

[29] Of course, there is no guarantee that the salmon flow exchange water will be available during the time of peak demand. For purposes of the Gap Analysis, however, Suez optimistically assumes that it will be available. This is a conservative assumption in that it predicts a smaller "gap" than might actually occur.

at the same time, however.[30] Hence, they are not cumulative. As explained below, this results in a 20.0 cfs downward adjustment to the water right portfolio for purposes of the Gap Analysis.

Five of the nine rights with irrigation season limits, totaling 46.21 cfs, are "exchange" rights available only when the Bureau of Reclamation is releasing storage water for salmon flow augmentation, which in most recent years has occurred for only a few weeks in June, July, or August.[31] These rights authorize diversions from the Boise River in exchange for not diverting certain irrigation water rights originally developed on the Snake River.[32]

One of Suez's surface water rights (No. 63-31409), a permit authorizing year-round diversions up to 20.0 cfs, contains a condition stating that "[t]he right holder shall exercise this right only when authorized by the District 63 watermaster when the Boise River is on flood release below Lucky Peak dam/outlet." According to the federal Water Control Manual for Boise River Reservoirs (April 1985), flood control operations may occur anytime between November 1 and July 31. In addition, the permit contains a condition allowing diversions only if they would not reduce river flows below 1,100 cfs (from March 1 to May 21) or 240 cfs (from June 1 to February 29). To Suez's knowledge, these conditions have never been enforced by IDWR. In flood control years, flood control releases generally are indistinguishable from the salmon flow augmentation releases, although after-the-fact accounting ensures they never overlap.[33]

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[30] Stored water released from the federal reservoirs for purposes other than delivery to right holders is deemed to be either (1) salmon flow augmentation water or (2) flood or other "operational" release. Thus, water released for flood control will not be deemed salmon flow water, and vice versa.

[31] These exchange rights may be diverted only if they do not reduce river flows below 1,100 cfs (from March 1 to May 21) or 240 cfs (from June 1 to February 29). For purposes of this Gap Analysis, we assume that they will be available. Thus, the gap actually could be somewhat larger than displayed here.

[32] All 46.21 cfs may be diverted at the Marden Treatment Plant, while only 35.21 cfs may also be diverted at the Columbia Treatment Plant. The "Wilson Exchange" authorizes 11 cfs, and up to 2,745 AF/year, of Boise River diversions in exchange for Snake River right No. 2-2339. The "Initial Butte Exchange" authorizes 35.21 cfs, and up to 9,247.5 AF/year, of Boise River diversions in exchange for Snake River right nos. 2-2341, 2-2358, and 2-2420. The Wilson Exchange is diverted from the Boise River under right No. 2-2339. The Initial Butte Exchange diverts water from the Boise River under right No. 63-31871.

[33] According to Rex Barrie (Water District 63 Watermaster) and Liz Cresto (IDWR hydrologist in charge of surface water accounting), salmon flow augmentation typically occurs immediately following flood control releases in years when flood control operations occur. In such years, the difference between these releases is not noticeable or known when they occur—their timing is later determined by an after-the-fact accounting procedure. In years when flood control operations occur, water is released from Lucky Peak Dam in winter, spring, and early summer for flood control. In these years, the Bureau will plan to leave vacant storage space at the end of the flood control period (*i.e.*, to purposefully fail to fill the reservoir after flood control operations), and to credit the volume of vacant space to salmon flow augmentation. In other words, the amount of storage space that is unfilled at the end of the flood control season is deemed to have been released for salmon flow augmentation and is credited toward that purpose. Afterward, through an accounting procedure, IDWR determines which releases were for flood control and which were for salmon flow augmentation. Because of this, it is impossible to predict in any future year precisely when flood control and salmon flow augmentation will occur. In years when no flood control releases occur, salmon flow releases obviously are easier to identify. In any case, salmon flow releases never consist of the same water as flood releases.

Accordingly, as mentioned above, right no, 63-31409 is not available when the exchange rights are available, and vice-versa.

Because the salmon flow exchange water rights and the "flood release" water right cannot be used at the same time, the portfolio is reduced by elimination of the smaller of the two—the 20.0 cfs flood release right (No. 63-31409).

After taking combined diversion rate limits and annual diversion volume limits into account, the following table summarizes Suez's ground and surface water right portfolio according to the temporal considerations described above:

Forecast Table 10
Summary of Suez's Ground Water and Surface Water Rights Temporal Limitations

(Showing quantities "after" the adjustments for flow rate and annual volume limitations)

Ground Water		
TOTAL GROUND WATER (year-round)		256.84 cfs
Surface Water		
Year-round rights (including storage entitlements)		*24.80 cfs*
Rights potentially available during flood control releases	*(May occur anytime between Nov. 1 and July 31, but not overlapping exchange rights)*	*20.00 cfs*
Exchange rights potentially available during salmon flow augmentation releases	*(Typically June, July, or August, but not overlapping flood control releases)*	*46.21 cfs*
Rights available during the irrigation season	*(Mar. 1 or 15 through Nov. 15)*	*2.73 cfs*
TOTAL SURFACE WATER		93.74 cfs
TOTAL GROUND WATER AND SURFACE WATER (Before adjustment for temporal limitations)		**350.58 cfs**
ADJUSTED TOTAL GROUND WATER AND SURFACE WATER (After excluding the 20 cfs "flood release" right, which cannot be used at the same time as the exchange rights)		**330.58 cfs**

Based on the information in Forecast Table 10, the following table displays the potential maximum diversion rate during each month of the year under Suez's existing portfolio:

Forecast Table 11

Maximum cfs potentially available in portfolio for each month

	Jan	Feb	Mar	Apr	May	MAXIMUM PORTFOLIO POTENTIALLY AVAILABLE Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Ground Water	256.84	256.84	256.84	256.84	256.84	256.84	256.84	256.84	256.84	256.84	256.84	256.84	GW
Surface & Storage	44.80	44.80	47.53	47.53	47.53	73.74	73.74	73.74	27.53	27.53	47.53	44.80	SW
Total	301.64	301.64	304.37	304.37	304.37	330.58	330.58	330.58	284.37	284.37	304.37	301.64	sum

This table represents the "potential" maximum cfs for each month based on the availability shown in Forecast Table 10. The months of June through August are the only ones that include the exchange rights. But those months do not also include the "flood release" right, which cannot be used at the same time as the exchange rights. These are "potentially" available rights showing a best-case outlook for the size of the portfolio. The actual availability of the exchange rights and the flood release right varies from year to year.

As shown in Forecast Table 11, after taking into account combined rate limits, annual volume limits, and temporal considerations, Suez's ground and surface water rights authorize a potential maximum diversion rate of 330.58 cfs during June, July and August, and a lesser rate at other times of year.

F. The gap between Suez's current portfolio and its projected water demand

As described above in section V.D(12) (Peak day production) starting on page 30, Suez's peak day production (also known as MDD) in August 2065 is forecasted to be 370.87 cfs. This demand is greater than can be filled using the potential maximum potential diversion rate in August under Suez's current portfolio, which is 330.58 cfs as shown in Forecast Tables 7, 10, and 11. In other words, there is a "gap" of 40.29 cfs.[34]

Suez's current portfolio is sufficient to cover its current demands and RAFN through the year 2058. Suez's forecasted MDD in 2058 is 210,663,000 gallons/day, which equates to 325.94 cfs diverted for a continuous 24 hours.[35] See Appendix A, at pages A-8 and A-57. Thus, Suez's portfolio of 330.58 cfs includes a tiny surplus of water rights for the year 2058, but that surplus disappears in the following year.

Accordingly, it appears that, at some point, Suez will need to acquire additional water rights and/or other entitlements in order to cover all of its RAFN projected in the Church Forecast.

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[34] Prof. Church's forecast predicts that Suez's demand for non-peak months in 2065 will be lower than Suez's potentially available portfolio shown in Forecast Table 11. For example, as shown in Appendix A, page A-58, in July 2065, peak day production (MDD) will be 191,008,000 gallons (i.e, 295.53 cfs, obtained by dividing by 646,316.889). That is less than Suez's portfolio of 330.58 cfs. In other words, the gap is limited to peak production days in August. Suez's portfolio is sufficient to meet forecasted demand during the rest of 2065.

[35] The conversion factor is: 1 cfs = 646,316.889 gallons/day.

The IMAP now pending before IDWR does not seek any appropriation of water rights. It merely seeks to change points of diversion on existing water rights. Filling the gap identified here will require future action in the form of some combination of (1) purchase of existing water rights or other entitlements from others and transfer/exchange to Suez, (2) the appropriation of new water rights, and (3) the acquisition of entitlements in new or expanded storage facilities. The approval of the RAFN quantification in the IMAP will facilitate such future transactions. Indeed, such approval is critical, because under current Department guidance,[36] additional municipal water rights may not be obtained through appropriation without an approved gap analysis. Without RAFN approval, it would appear that Suez will have no gap to fill. The guidance does not say whether similar restrictions would apply to forms of water acquisition other than appropriation or whether the restrictions would apply following RAFN approval. Conceivably, however, Suez could be denied the right not only to appropriate but to participate in programs to enhance water storage and other water available in the Treasure Valley or to acquire additional water rights from willing sellers.

Finally, it bears emphasis that the analyses set out in this *Master Water Plan* are not fixed in time. The forecast of future needs will evolve over time, as will Suez's portfolio. Accordingly, this Gap Analysis will be updated from time to time as appropriate.

[36] Jeff Peppersack, *Administrator's Memorandum – Processing Applications and Amendments and Determining Beneficial Use for Non-RAFN Municipal Water Rights* (Application Processing No. 18; Licensing No. 1), pages 3-4 (Oct. 19, 2009).

Exhibit 1 PINK LINE MAP

Note: A larger version of this map is available upon request.

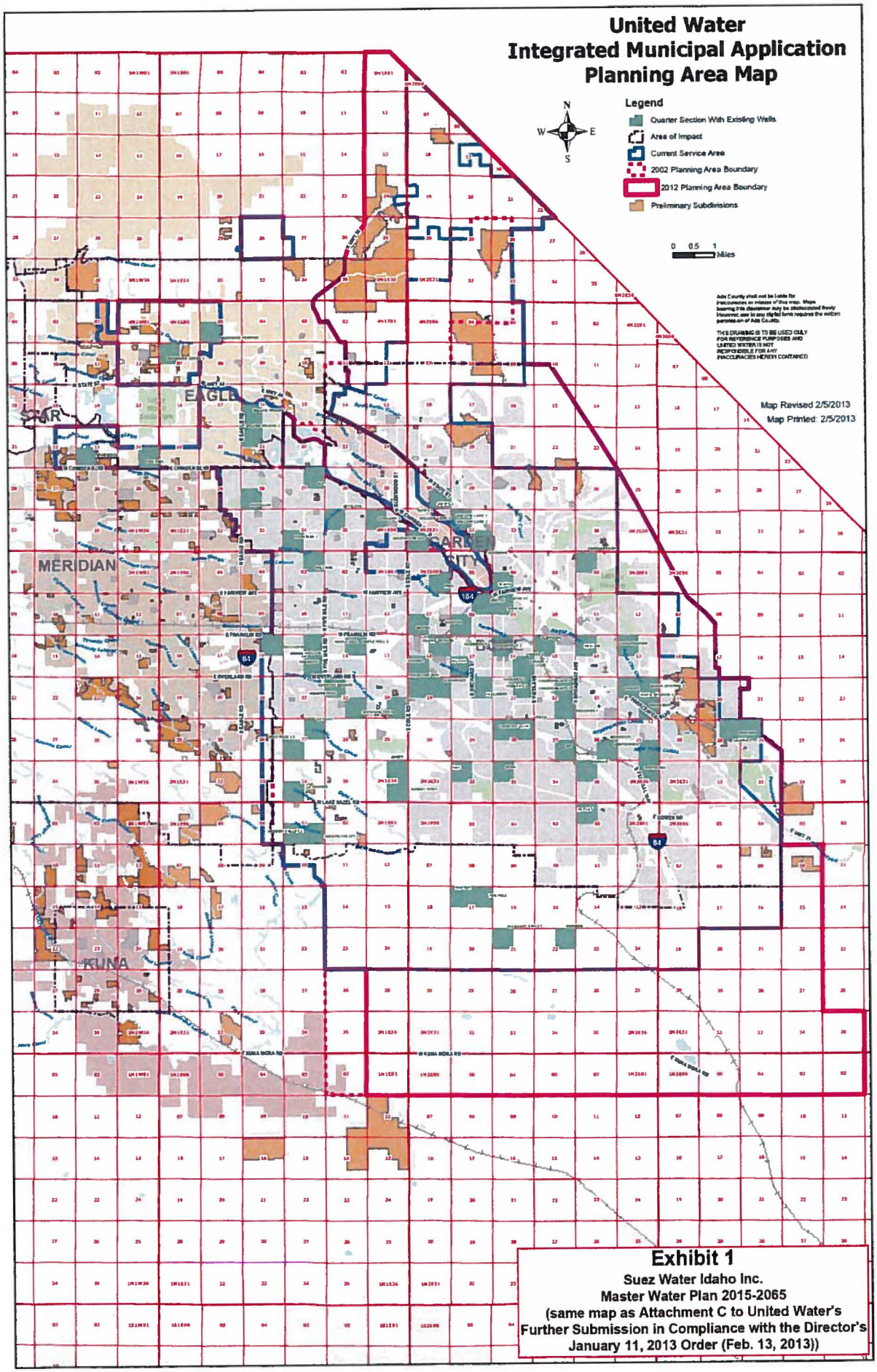

United Water
Integrated Municipal Application
Planning Area Map
Legend
Quarter Section With Existing Wells
Area of Impact
Current Service Area
2002 Planning Area Boundary
2012 Planning Area Boundary
Preliminary Subdivisions
N
W
E
S
0 0.5 1
Miles
Map Revised 2/5/2013
Map Printed: 2/5/2013
EAGLE
STAR
MERIDIAN
KUNA
Exhibit 1
Suez Water Idaho Inc.
Master Water Plan 2015-2065
(same map as Attachment C to United Water's
Further Submission in Compliance with the Director's
January 11, 2013 Order (Feb. 13, 2013))

Exhibit 2 SUEZ WATER RIGHTS PORTFOLIO SUMMARY

Note: A Compact Disk containing an electronic version of the portfolio spreadsheet is also available for reference.

Suez's Portfolio of Water Rights, Permits, and Other Entitlements (excluding water bank rentals and short term leases)
(Non-IMAP rights in yellow)

Dated 4-28-2017

Right Number	Source	Priority as of 2016 (original priority in brackets if different than 2016)	Purpose of Use as of 2016	CFS as of 2016 (on face of right)	Rights sharing combined diversion rate limits in 2016	CFS as of 2016 (reduced to account for combined rate limits)	AFA as of 2016	Rights sharing combined annual volume limits in 2016	CFS as of 2016 (reduced to account for elimination of individual and combined annual volume limits)	EFFECTIVE CFS as of 2016 (accounting for the lower of reduction due to combined rate limits and elimination of volume limits)	Original well or diversion name	POD(s) as of 2016	Post-IMAP transfer PODs	Place of Use as of 2016	Period of Use as of 2016	Current basis (or basis prior to decree, if any)	SRBA status
125	<--count		total -->	415.01		370.34				350.58							
2-02339	Wilson Exchange	12/7/1964	Irrigation	11.00		11.00	2745.00			11.00		Marden surface water intake		Suez Service Area	3/15-11/15	Exchange	Partial Decree
2-02341	Initial Butte Exchange	12/28/1964	Irrigation	12.52	2-02341 2-02358 2-02420 63-31871	0.00	2817.00	2-02341 2-02358 2-02420 63-31871	0.00	0.00		Marden and Columbia surface water intakes		Suez Service Area	3/15-11/15	Exchange	Partial Decree
2-02358	Initial Butte Exchange	7/28/1964	Irrigation	14.50	2-02341 2-02358 2-02420 63-31871	0.00	3262.50	2-02341 2-02358 2-02420 63-31871	0.00	0.00		Marden and Columbia surface water intakes		Suez Service Area	3/15-11/15	Exchange	Partial Decree
2-02420	Initial Butte Exchange	12/31/1963	Irrigation	14.08	2-02341 2-02358 2-02420 63-31871	0.00	3168.00	2-02341 2-02358 2-02420 63-31871	0.00	0.00		Marden and Columbia surface water intakes		Suez Service Area	3/15-11/15	Exchange	Partial Decree
63-20041 (63-00165L)	Boise River	6/1/1866	Municipal	0.68		0.68			0.68	0.68		Marden surface water intake		Suez Service Area	3/1-11/15	prior decree	Partial Decree (issued to Boise City Canal Co.)
63-00169F	Boise River	6/1/1868	Municipal	0.81		0.81	199.00		0.39	0.39		Marden surface water intake		Suez Service Area	3/1-11/15	prior decree	Partial Decree
63-00243E	Boise River	5/1/1889	Municipal	3.30		3.30	682.00		1.33	1.33		Marden surface water intake		Suez Service Area	3/1-11/15	prior decree	Partial Decree
63-00243H	Boise River	5/1/1889	Municipal	0.93		0.93	172.00		0.33	0.33		Marden surface water intake		Suez Service Area	3/1-11/15	prior decree	Partial Decree
63-02500	GW	8/30/1934	Municipal	0.80		0.80			0.80	0.80	Thirteenth	43 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-02506	GW	6/5/1935	Municipal	1.66		1.66			1.66	1.66	Mountain View	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-02576	GW	4/26/1938	Municipal	1.90		1.90			1.90	1.90	Orchid	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-02595	GW	8/31/1966	Municipal	1.34		1.34			1.34	1.34	Roosevelt #1	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-02605	GW	7/2/1943	Municipal	0.90		0.90			0.90	0.90	27th & Lemp	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-02668	GW	7/15/1947	Municipal	2.14		2.14			2.14	2.14	Arctic #1	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree

Suez's Portfolio of Water Rights, Permits, and Other Entitlements (excluding water bank rentals and short term leases)
(Non-IMAP rights in yellow)

Dated 4-28-2017

Right Number	Source	Priority as of 2016 (original priority in brackets if different than 2016)	Purpose of Use as of 2016	CFS as of 2016 (on face of right)	Rights sharing combined diversion rate limits in 2016	CFS as of 2016 (reduced to account for combined rate limits)	AFA as of 2016	Rights sharing combined annual volume limits in 2016	CFS as of 2016 (reduced to account for elimination of individual and combined annual volume limits)	EFFECTIVE CFS as of 2016 (accounting for the lower of reduction due to combined rate limits and elimination of volume limits)	Original well or diversion name	POD(s) as of 2016	Post-IMAP transfer PODs	Place of Use as of 2016	Period of Use as of 2016	Current basis (or basis prior to decree, if any)	SRBA status
63-02703	GW	6/23/1948	Municipal	5.00		5.00			5.00	5.00	Cliffside	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-02808	GW	4/3/1950	Municipal	3.10		3.10			3.10	3.10	Longmeadow	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-02874	GW	8/18/1951	Municipal	4.00		4.00			4.00	4.00	Sixteenth St.	43 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-02892	GW	2/7/1952	Municipal	6.18		6.18			6.18	6.18	Marden Collectors Veterans Collectors	Marden Collectors (3 PODs)	Marden Collectors (3 PODs)	Suez Service Area	1/1-12/31	License	Partial Decree
63-02915	GW	11/17/1952	Municipal	2.00		2.00	1031.40	63-02915 63-03239	1.42	1.42		42 APODs		Suez Service Area	1/1-12/31	License	Partial Decree
63-02954	GW	8/27/1953	Municipal	0.90		0.90			0.90	0.90	Empire	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-02956	GW	8/27/1953	Municipal	0.56		0.56			0.56	0.56	Biggs	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-02989	GW	6/2/1954	Municipal	1.00		1.00			1.00	1.00	Westland Acres	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-03064	GW	10/31/1955	Municipal	1.22		1.22			1.22	1.22	Westmore-land	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-03073	GW	1/4/1956	Municipal	2.00		2.00			2.00	2.00	Country Club	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-03105	GW	12/19/1956	Municipal	2.00		2.00			2.00	2.00	Franklin Park	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-03112	GW	9/11/1957	Municipal	1.44		1.44			1.44	1.44	Kirkwood	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-03128	GW	4/24/1958	Municipal	4.44		4.44			4.44	4.44	Taggart #1	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-03164	GW	8/5/1959	Municipal	1.73		1.73			1.73	1.73	Sunrise	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-03172	GW	10/14/1959	Municipal	2.22		2.22			2.22	2.22	Hummel	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-03202	GW	6/8/1960	Municipal	2.89		2.89			2.89	2.89	Chamberlin #1	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree

Suez's Portfolio of Water Rights, Permits, and Other Entitlements (excluding water bank rentals and short term leases)
(Non-IMAP rights in yellow)

Dated 4-28-2017

Right Number	Source	Priority as of 2016 (original priority in brackets if different than 2016)	Purpose of Use as of 2016	CFS as of 2016 (on face of right)	Rights sharing combined diversion rate limits in 2016	CFS as of 2016 (reduced to account for combined rate limits)	AFA as of 2016	Rights sharing combined annual volume limits in 2016	CFS as of 2016 (reduced to account for elimination of individual and combined annual volume limits)	EFFECTIVE CFS as of 2016 (accounting for the lower of reduction due to combined rate limits and elimination of volume limits)	Original well or diversion name	POD(s) as of 2016	Post-IMAP transfer PODs	Place of Use as of 2016	Period of Use as of 2016	Current basis (or basis prior to decree, if any)	SRBA status
63-03239	GW	6/22/1961	Municipal	2.80		2.80	1197.00	63-02915 63-03239	0.42	0.42		42 APODs		Suez Service Area	1/1-12/31	License	Partial Decree
63-03291	GW	5/21/1962	Municipal	2.40		2.40			2.40	2.40	Willow Lane #1	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-03292	GW	5/21/1962	Municipal	2.26		2.26			2.26	2.26	Chamberlin #2	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-03293	GW	5/21/1962	Municipal	3.56		3.56			3.56	3.56	Roosevelt #3	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-03295	GW	5/24/1962	Municipal	3.24		3.24			3.24	3.24	Vista	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-03411	GW	6/17/1964	Municipal	1.50		1.50	178.00		0.25	0.25	Willow Lane #2	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-03448	GW	4/27/1965	Municipal	4.90		4.90			4.90	4.90	Beacon	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-03457	GW	7/14/1965	Municipal	1.67	63-3457 63-10945	1.67	168.00		0.23	0.23	Warm Springs Mesa #1 and #2	T3N, R2E, S.24, SW,NE (2 PODs in Q-Q)	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-03494	GW	3/8/1966	Municipal	6.44		6.44			6.44	6.44	Hilton	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-03562	GW	11/7/1966	Municipal	1.47		1.47			1.47	1.47	Overland #6	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-04015	GW	10/17/1960	Municipal	2.00		2.00			2.00	2.00	B.I.F.	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-04395	GW	6/1/1950	Municipal	0.56	63-08385 63-10150 63-04395	0.56		63-08385 63-10150 63-04395	0.33	0.33	Barber #1	T3N, R3E, S.28, SW,NW T3N, R3E, S.29, SE,NE	81 APODs	Suez Service Area	1/1-12/31	Beneficial use	Partial Decree
63-04414	GW	7/1/1943	Municipal	1.11		1.11			1.11	1.11	Junker	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-04424	GW	7/1/1943	Municipal	1.33		1.33			1.33	1.33	Byrd	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-04752	GW	1/1/1947	Municipal	1.11		1.11			1.11	1.11	Central Park	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-07066	GW	2/28/1968	Municipal	5.80		5.80			5.80	5.80	Goddard	42 APODs		Suez Service Area	1/1-12/31	License	Partial Decree

Suez's Portfolio of Water Rights, Permits, and Other Entitlements (excluding water bank rentals and short term leases)
(Non-IMAP rights in yellow)

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63-07067	GW	2/28/1968	Municipal	2.84		2.84			2.84	2.84	Idaho	43 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-07204	GW	3/13/1969	Municipal	1.82		1.82			1.82	1.82	Arctic #2	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-07282	GW	12/2/1969	Municipal	4.12		4.12			4.12	4.12	Hillcrest	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-07348	GW	7/14/1970	Municipal	6.60		6.60			6.60	6.60	Bethel	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-07479	GW	8/20/1971	Municipal	7.00		7.00			7.00	7.00	Broadway	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-07577	GW	4/6/1972	Municipal	2.01		2.01			2.01	2.01	Terteling	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-07589	GW	4/20/1972	Municipal	4.40		4.40			4.40	4.40	Ball Hal #1	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-07641	GW	8/17/1972	Municipal	2.00	63-07641 63-08405	2.00			2.00	2.00	Hidden Valley Estates #1	12 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-07658	GW	1/8/1973	Municipal	1.06		1.06			1.06	1.06	Ball Hal #1	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-07896	GW	11/13/1973	Municipal	0.25		0.25			0.25	0.25	Five Mile Estates W. #1	12 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-07979	GW	5/13/1974	Municipal	2.00		2.00	1268.00		1.75	1.75	Hidden Valley Estates #2	12 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-07998	GW	6/25/1974	Municipal	1.27		1.27	658.00		0.91	0.91	Five Mile Estates W. #2	12 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-08011	GW	7/18/1974	Municipal	3.00		3.00	276.00		0.38	0.38	Countryman Estates	12 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-08059	GW	11/12/1974	Municipal	0.57		0.57			0.57	0.57	Willow Lane #3	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-08236	GW	11/28/1975	Municipal	3.63		3.63			3.63	3.63	Centennial	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-08248	GW	1/2/1976	Municipal	1.57		1.57	843.30		1.16	1.16	Victory	12 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree

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63-08265	GW	2/23/1976	Municipal	2.37		2.37			2.37	2.37	Brookhollow No. 1	12 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-08385	GW	11/6/1977	Municipal	0.49	63-08385 63-10150 63-04395	0.24	182.40	63-08385 63-10150 63-04395	0.00	0.00	Barber #1	T3N, R3E, S.28, SW,NW T3N, R3E, S.29, SE,NE	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-08405	GW	1/12/1977	Municipal	2.00	63-07641 63-08405	1.12	1320.00		1.82	1.12	Hidden Valley Estates #1	12 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-08432	GW	2/10/1977	Municipal	1.78		1.78			1.78	1.78	Sunset West #1	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-08635	GW	8/17/1983	Municipal	0.89		0.89	106.20		0.15	0.15	Sherman Oaks	12 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-08990	GW	7/19/1977	Municipal	4.00		4.00			4.00	4.00	Cole	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-09087	GW	11/25/1977	Municipal	3.40		3.40			3.40	3.40	Country Squire	12 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-09106	GW	1/23/1978	Municipal	1.12		1.12			1.12	1.12	Paradise North	12 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-09147	GW	6/6/1978	Municipal	4.00		4.00			4.00	4.00	Swift #1	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-09198	GW	1/2/1979	Municipal	2.45		2.45			2.45	2.45	Five Mile West #12	12 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-09199	GW	1/3/1979	Municipal	3.12		3.12			3.12	3.12	La Grange	12 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-09204	GW	1/9/1979	Municipal	4.00		4.00			4.00	4.00	Joplin	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-09205	GW	1/9/1979	Municipal	4.00		4.00			4.00	4.00	Settlers	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-09219	GW	3/20/1979	Municipal	2.23		2.23			2.23	2.23	Logger	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-09223	GW	4/3/1979	Municipal	4.23		4.23			4.23	4.23	Amity	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-09384	GW	5/27/1980	Municipal	1.00		1.00	420.00		0.58	0.58	Lizaso Well	12 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree

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63-09671	GW	2/25/1981	Municipal	2.12		2.12			2.12	2.12	Maple Hills #1	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-09855	GW	12/23/1981	Municipal	3.34		3.34			3.34	3.34	Frontier	42 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-10150	GW	7/1/1983	Municipal	0.48	63-08385 63-10150 63-04395	0.00	56.10	63-08385 63-10150 63-04395	0.00	0.00	Barber #1 Barber #2	T3N, R3E, S.29, SE,NE T3N, R3E, S.28, SW,NW	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-10386	GW	9/19/1986	Municipal	1.11		1.11			1.11	1.11	Marden (well)	T3N, R2E, S.14, SE,NE (lot 7)	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-10391	GW	11/14/1986	Municipal	0.30		0.30	62.40		0.09	0.09	Overland Estates	12 APODs	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-10405	GW	3/17/1987	Municipal	1.56		1.56			1.56	1.56	River Run	T3N, R2E, S.24, SW,SE	81 APODs	Suez Service Area	1/1-12/31	License	Partial Decree
63-10569	GW	2/5/1988	Municipal	1.78		1.78			1.78	1.78	J.R. Flat	T2N, R2E, S.2, NW,NW	81 APODs	Within city limits of Boise	1/1-12/31	License	Post-SRBA license
63-10688	GW	8/15/1988	Municipal	2.00		2.00			2.00	2.00	Swift #2	T4N, R2E, S.30, SW,SE	81 APODs	Within the city limits of Boise and the surrounding service area	1/1-12/31	License	Post-SRBA license
63-10862	GW	7/18/1989	Municipal	1.44		1.44			1.44	1.44	Bergeson	T3N, R2E, S.26, NW,NE,SE	81 APODs	Within the city limits of Boise and the surrounding service area	1/1-12/31	License	Post-SRBA license
63-10945	GW	10/29/1989	Irrigation, Domestic, Fire Protection	1.72	63-3467 63-10945	1.43	393.00		0.54	0.54	Warm Springs Mesa #1, #2, and #3	T3N, R2E, S.24, NE,SW,NE (lot 2) 3PODs	81 APODs	T3N, R3E, S19 NWNE, NENW, SWNW, SENW, NESW, NWSW; S24 SENE (lot 2); 256 homes and 53 acres within 71 acre PPU	1/1-12/31, 3/15-11/15	License	Post-SRBA license
63-11034	GW	10/22/1989	Municipal	2.74		2.74			2.74	2.74	Mac	T3N, R2E, S.32, NW,NW	81 APODs	Within the Boise Water Corp. service area	1/1-12/31	License	Post-SRBA license
63-11068	GW	11/17/1989	Municipal	2.79		2.79			2.79	2.79	Clinton	T3N, R2E, S.8, NE,SW	81 APODs	Within the Boise Water Corp. service area	1/1-12/31	License	Post-SRBA license
63-11090A	GW	1/21/1990	Municipal	1.73		1.73	376.40		0.52	0.52	Floating Feather	T4N, R1E, S.5, SE,SW	81 APODs	Within Suez's municipal service area	1/1-12/31	License	Post-SRBA license

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63-11118	GW	2/1/1990	Municipal	2.78		2.78			2.78	2.78	Cassia	T3N, R2E, S.16, NE,SE	81 APODs	Within the city limits of Boise and the surrounding area served by Boise Water Corp.	1/1-12/31	License	Post-SRBA license
63-11232	GW	2/12/1990	Municipal	2.83		2.83			2.83	2.83	Hope	T3N, R1E, S.9, SE,NE	81 APODs	Within city limits of Boise	1/1-12/31	License	Post-SRBA license
63-11384	GW	8/7/1990	Municipal	3.12		3.12			3.12	3.12	H.P.	T4N, R1E, S.27, SE,NE	81 APODs	Within the city limits of Boise and the surrounding	1/1-12/31	License	Post-SRBA license
63-11385	GW	8/7/1990	Municipal	2.58		2.58			2.58	2.58	Market	T3N, R2E, S.35, NE,NW	81 APODs	Within the Boise Water Corp. service area	1/1-12/31	License	Post-SRBA license
63-11467	GW	2/21/1991	Municipal	2.27		2.27	520.00		0.72	0.72	Island Woods #1 Island Woods #2	T4N, R1E, S.16, NW,SW (lot 5) T4N, R1E, S.16, SW,SW	81 APODs	Within the service area of Suez	1/1-12/31	License	Post-SRBA license
63-11558	GW	6/24/1991	Municipal	2.67	63-11558 63-12363	2.67			2.67	2.67	Fisk	T3N, R2E, S.6, SE,SE	81 APODs	Within the city limits of Boise and the surrounding service area	1/1-12/31	License	Post-SRBA license
63-11878	GW	6/15/1992	Municipal	0.99		0.99	190.50		0.26	0.26	Redwood Creek	T4N, R1E, S.7, SW,NW (lot 2) T4N, R1E, S.8, SE,NW	81 APODs	Within the service area of Suez	1/1-12/31	Permit	Post-SRBA permit
63-11950	GW	10/14/1992	Municipal	2.30		2.30			2.30	2.30	Taggart #2	T3N, R2E, S.21, NE,NE	81 APODs	Within the city limits of Boise and the surrounding service area of Suez	1/1-12/31	License	Post-SRBA license
63-11951	GW	10/14/1992	Municipal	0.85		0.85			0.85	0.85	Overland	T3N, R2E, S.19, NE,NW	81 APODs	Within the city limits of Boise and the surrounding service area of Suez	1/1-12/31	License	Post-SRBA license
63-11990	GW	1/27/1993	Domestic, Fire Protection	1.80		1.80	624.00		0.86	0.86	Edgeview	T3N, R1E, S.16, SE,NE	81 APODs	T3N, R1E, S16 NW1/4; S16 NE1/4	1/1-12/31	License	Post-SRBA license
63-12043	GW	7/23/1993	Municipal	4.46		4.46			4.46	4.46	Tenmile Raptor Pleasant Valley Pioneer	T2N, R2E, S.17, SE,NE T2N, R2E, S.17, NW,NW T2N, R2E, S.21, NE,NW T2N, R2E, S.22, NW,NE	81 APODs	Within the service area of Suez; generally descibed as the city limits of Boise and surrounding service area	1/1-12/31	License	Post-SRBA license

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63-12055	Boise River	9/8/1993	Municipal	24.80		24.80			24.80	24.80	Marden surface water intake	T3N, R2E, S.14, SE,NE (lot 7)	T3N, R2E, S.14, SE,NE (lot 7) T2N, R2E, S.4, NW,NE	City limits of Boise and the area of certification	1/1-12/31	Permit	Post-SRBA permit
63-12138	GW	8/19/1994	Municipal	3.90		3.90			3.90	3.90	Tenmile Raptor Pleasant Valley Pioneer	T2N, R2E, S.17, SE,NE T2N, R2E, S.17, NW,NW T2N, R2E, S.21, NE,NW T2N, R2E, S.22, NW,NE	81 APODs	Within the city limits of Boise and the surrounding area served by Suez	1/1-12/31	License	Post-SRBA license
63-12139	GW	8/19/1994	Municipal	3.20		3.20			3.20	3.20	Tenmile Raptor Pleasant Valley Pioneer	T2N, R2E, S.17, SE,NE T2N, R2E, S.17, NW,NW T2N, R2E, S.21, NE,NW T2N, R2E, S.22, NW,NE	81 APODs	Within the city limits of Boise and the surrounding area served by Suez	1/1-12/31	License	Post-SRBA license
63-12140	GW	10/19/1994	Municipal	3.50		3.50			3.50	3.50	McMillan	T4N, R1E, S.28, SW,SW	81 APODs	Within the city limits of Boise and the surrounding service area	1/1-12/31	Permit	Post-SRBA permit
63-12192	GW	8/6/2002 (3/31/1995)	Municipal	5.00		5.00			5.00	5.00	Floating Feather Redwood	T4N, R1E, S.5, SE,SW T4N, R1E, S.7, SW,NW (lot 2)	81 APODs	Certificated Area	1/1-12/31	Permit	Post-SRBA permit
63-12310	GW	8/29/2001 (1/19/1996)	Municipal	3.00		3.00			3.00	3.00	Veterans	T4N, R2E, S.32, SE,SE (lot 1)	81 APODs	Certificated Area	1/1-12/31	Permit	Post-SRBA permit
63-12334	GW	3/8/1995	Municipal	0.38		0.38	42.00		0.06	0.06	Spurwing Foxtail	T4N, R1W, S.23, NE,SW T4N, R1W, S.24, SW,SE	81 APODs	Within the service area of Suez	1/1-12/31	License	Post-SRBA license
63-12362	GW	9/30/1996	Fire Protection	2.22		2.22			2.22	2.22	Foxtail	T4N, R1W, S.24, SW,SE	81 APODs	T4N, R1W, S24 SWSE	1/1-12/31	License	Post-SRBA license
63-12363	GW	9/9/1996	Municipal	4.50	63-11558 63-12363	2.83			4.50	2.83	Cassia #2	T3N, R2E, S.16, NENESE (Cassia #2) T3N, R2E, S.06, SWSESE (Fisk)		Within the service area of Suez; generally described as the city limits of Boise and surrounding service area	1/1-12/31	License	Post-SRBA license
63-12452	GW	4/15/1998	Municipal	4.50		4.50			4.50	4.50	Floating Feather Redwood	T4N, R1E, S.5, SE,SW T4N, R1E, S.7, SW,NW (lot 2)	81 APODs	Within the service area of Suez	1/1-12/31	Permit	Post-SRBA permit
63-12464	GW	7/13/1998	Municipal	0.30		0.30			0.30	0.30	Barber #1 Barber #2	T3N, R3E, S.29, SE,NE T3N, R3E, S.28, SW,NW	81 APODs	Within the Service Area of the Barber Water Corp.	1/1-12/31	Permit	Post-SRBA permit

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Dated 4-28-2017

Right Number	Source	Priority as of 2016 (original priority in brackets if different than 2016)	Purpose of Use as of 2016	CFS as of 2016 (on face of right)	Rights sharing combined diversion rate limits in 2016	CFS as of 2016 (reduced to account for combined rate limits)	AFA as of 2016	Rights sharing combined annual volume limits in 2016	CFS as of 2016 (reduced to account for elimination of individual and combined annual volume limits)	EFFECTIVE CFS as of 2016 (accounting for the lower of reduction due to combined rate limits and elimination of volume limits)	Original well or diversion name	POD(s) as of 2016	Post-IMAP transfer PODs	Place of Use as of 2016	Period of Use as of 2016	Current basis (or basis prior to decree, if any)	SRBA status
63-12516	GW	4/13/1999	Municipal	4.00		4.00			4.00	4.00	Spurwing Foxtail	T4N, R1W, S.23, NE,SW T4N, R1W, S.24, SW,SE	81 APODs	Within the service area of Suez	1/1-12/31	Permit	Post-SRBA permit
63-19456	GW	3/31/1953	Municipal	1.60		1.60			1.60	1.60	Twenty-seventh	43 APODs	81 APODs	Within the service area of Suez; generally descibed as the city limits of Boise and surrounding service area	1/1-12/31	Beneficial use	Partial Decree
63-31406	GW	1/18/2002	Municipal	1.11		1.11			1.11	1.11		T3N, R1E, Sec. 14, NE,NE		Within the service area of Suez	1/1-12/31	Permit	Post-SRBA permit
63-31409	Boise River	11/16/2001	Municipal	20.00		20.00			20.00	20.00		Marden and Columbia surface water intakes		Suez Service Area	1/1-12/31	Permit	Post-SRBA permit
63-31797	GW	6/1/1895	Municipal	2.63		2.63			2.63	2.63	Marden Collectors	Marden Collectors (3 PODs)		Suez Service Area	1/1-12/31	Beneficial use	Partial Decree
63-31798	GW	6/1/1899	Municipal	1.55		1.55			1.55	1.55	Marden Collectors	Marden Collectors (3 PODs)		Suez Service Area	1/1-12/31	Beneficial use	Partial Decree
63-31856	GW	6/2/1890	Municipal	2.12		2.12			2.12	2.12		42 APODs		Suez Service Area	1/1-12/31	Beneficial use	Partial Decree
63-31857	GW	7/21/1928	Municipal	2.48		2.48			2.48	2.48		42 APODs		Suez Service Area	1/1-12/31	Beneficial use	Partial Decree
63-31871	Initial Butte Ex-change	12/31/1963	Irrigation	35.21	2-02341 2-02358 2-02420 63-31871	35.21	9247.50	2-02341 2-02358 2-02420 63-31871	35.21	35.21		Marden and Columbia surface water intakes		Suez Service Area	3/15-11/15	Exchange	Post-SRBA license
63-31879	GW	12/31/1910	Municipal	4.64		4.64			4.64	4.64	Marden Collectors	Marden Collectors (3 PODs)		Suez Service Area	1/1-12/31	Beneficial use	Partial Decree
Anderson Ranch	Boise River						1000.00					Marden and Columbia surface water intakes		Suez Service Area	1/1-12/31	40-year contract	not claimed
Lucky Peak	Boise River						1100.00					Marden and Columbia surface water intakes		Suez Service Area	1/1-12/31	40-year contract	not claimed

Exhibit 3 AFFIDAVIT OF JOHN S. CHURCH

AFFIDAVIT OF JOHN S. CHURCH

JOHN C. CHURCH, being first duly sworn hereby states as follows:

1. I am president of Idaho Economics, an economic consulting firm located in Boise, Idaho. The firm's mailing address is P.O. 45694, Boise, Idaho 83711. I am an independent economic consultant and a visiting assistant professor in the Economics Department at Boise State University. I have a Bachelor of Science degree in civil engineering from the University of Washington, a Bachelor of Business Administration degree from Boise State University, and Master of Science degree in economics from the University of Idaho. Prior to becoming an economic consultant I was corporate economist for Idaho Power Company in Boise, Idaho.

2. I have personal knowledge of the facts herein and testify on the basis of such personal knowledge.

3. For more than a decade, I have been retained by Suez and its predecessor, United Water Idaho Inc. (collectively "Suez") to prepare its water demand forecasts, including the economic, demographic, and population forecasting models used to prepare its water demand forecasts.

4. Appendix A of Suez's *Master Water Plan for the Years 2015 to 2065* contains the results of my economic, demographic, population, and water demand forecast modeling completed in 2016.

5. I supervised the preparation of section V (entitled "The Church Forecast: Quantifying Suez's reasonably anticipated future needs during the Planning Horizon") of the *Master Water Plan for the Years 2015 to 2065*, which describes forecasting methodology that I employed to produce the information contained in Appendix A. I have reviewed and approved the final version of that section.

DATED this 1st day of August, 2016.

John S Church

John S. Church

SUBSCRIBED AND SWORN to before me this 1st day of August, 2016.



Lynda L. Blanc
Notary Public of Idaho
Residing at: Boise, ID
Commission Expires: 12/12/2021

Exhibit 4 RESUME OF JOHN S. CHURCH

John S. Church

12477 W. Edna Dr.
Boise, Idaho 83713-1954
Voice: (208) 323-0732
Cell: (208) 284-0836
e-mail: ideconomics@earthlink.net

Summary of Qualifications

Lecturer, Department of Economics, Boise State University

Principle, Idaho Economics (An Economic Consulting and Forecasting Firm)

Lecturer, Department of Economics, Boise State University

Corporate Economist, Idaho Power Company, Boise, Idaho. 1980 - 1997

Author of detailed annual Regional Economic and Demographic Forecasts

Past member of the Western Blue Chip Economic Forecast Panel

Professional Experience

Corporate Economist, Idaho Power Company, Boise, Idaho. 1980 - 1997

Mr. Church has nearly 20 years of experience in the energy industry. For the past fifteen years, Mr. Church has annually prepared regional economic forecasts as an integral part of long-term utility resource and financial planning. These forecasts included the preparation of economic and demographic forecasts for the state of Idaho and the Idaho Power Company service area. In this role, Mr. Church developed a Regional Econometric Model of the state of Idaho. The model, a simultaneous equation Economic-Demographic model, provides projections of output and employment for the major industries in Idaho, and population (by age cohort and sex), households (by age of head of household and household size), industry average wages and salaries (for major industries in the state) and personal income (by income component) for the state of Idaho and the Idaho Power Company service territory.

These forecasts have proven to be quite accurate, earning Mr. Church the honor of being the most accurate economic forecaster in the Western Blue Chip Economic Forecast Panel in two of the past ten years.

Mr. Church developed a further enhancement to the State of Idaho Economic Forecast with a forecast of economic activity for each of Idaho's forty-four counties. Initially the forecasts of economic activity in each of Idaho's counties was developed as a tool to aid in the spatial evaluation of Idaho Power Company's future human and equipment resource needs in preparation for customer growth. However, these forecasts of economic activity and population and household growth have been widely accepted by the State's business and government communities. Today, these forecasts are used by many private firms and government entities as an integral part of their planning process.

Mr. Church also had past responsibilities for the preparation and analysis of annual electricity sales and load forecasts, as well as forecasts of system peak electricity loads over a 25 year forecast horizon. These economic projections were the basis for forecasts of future revenue, power plant operation and fuel procurement needs, as well as forecasts of the needs for future electricity supply.

Mr. Church has also developed methodologies for the weather normalization of sales that has been used by electric and water utilities for internal financial analysis and use in utility regulatory proceedings. In other areas of economic

forecasting and analysis Mr. Church has developed methodologies for forecasting future coal prices for existing long-term fuel supply contracts. These forecasts have provided clients with a higher degree of accuracy in the budgeting of future operating expenses.

Mr. Church played an integral role in the evaluation, negotiation, and litigation of long-term fuel supply contracts. He has made recommendations and prepared strategies to overcome particular sticking points in the negotiation process that allowed both parties to capture the economic benefits desired. In addition, the coal price forecasting capability allowed for a timely and detailed economic cost-benefit analysis of negotiating positions and proposals.

Other projects that Mr. Church has participated in include:

The evaluation of national and international markets for various types of renewable energy supplies.

The preparation of studies on the impact of differing energy tax proposals on electric utility operating costs plus, an analysis of the potential effects on operating costs of competing electric utilities in the Northwest.

Development of an extensive country screening methodology for the evaluation of foreign business climates for a client's potential foreign investments. This screening methodology utilized a first phase macroeconomic evaluation to eliminate some countries from further evaluation thereby minimizing the expenses of additional market research or ongoing sales activities in areas that may have poor potential for future market growth.

The preparation of population and demographic forecasts for a client's site location evaluation process. These forecasts provided detailed annual estimates of future population by county, ZIP Code area, age cohort, sex over a twenty year time horizon. Projections of the annual number of births, by age of mother, and deaths by age cohort were also provided for the requested geographic areas.

The preparation of an economic and local government fiscal impact analysis for a large residential planned community in Southwest Idaho.

The preparation of forecasted economic and demographic impacts on the local county and city governments and upon the local school districts in a sparsely populated Idaho County due to the development, construction, and ongoing operation of a $1.1 billion year-round resort complex.

Prepared an evaluation of the potential economic impacts on four South Central Idaho Counties due to the potential short-term closure of a large food processing plant.

Examined the potential fiscal impacts that could result from a proposal to modify teacher certification standards for Idaho's elementary and secondary public school teachers.

Prepared forecasts of the number of customers by geographic area, customer water usage by class of customer, water losses, utility company internal use, and water used for hydrant flows by month for a major water utility.

Prepared a economic and fiscal impact analysis for a $1.4 billion coal-fired electric generating plant proposed for South Central Idaho.

Prepared an economic and fiscal impact analysis of a phosphate fertilizer plant and phosphate mine located in Southeast Idaho on the Idaho and western Wyoming economies.

Mr. Church has also prepared and presented testimony to State of Idaho regulatory regulatory agencies and economic testimony for utility clients in state and federal courts.

As a well-known economist, Mr. Church has made numerous speeches and presentations to private, government, and civic organizations throughout Idaho and the Northwest. Over the last five years, the total annual audience, at speeches and presentations by Mr. Church has averaged nearly three thousand per year. Often asked by the news media for comments and opinions on the current economic environment, Mr. Church has been frequently quoted in the local Idaho print and television media and has also been cited in national publications such USA Today, Newsweek, Time, The Kiplinger Washington Letter, and The Wall Street Journal.

Education

University of Idaho 1979 - 1981
Moscow, ID
Major: Economics, MS degree.

Boise State University 1976 - 1979
Boise, ID
Major: Business Administration, Minor: Economics, BBA degree

University of Washington 1967 - 1971
Seattle, WA
Major: Civil Engineering, Minor: Mathematics

Selected Publications and Presentations:

Annual economic outlook presentations for the state of Idaho to the Joint Select Committee on Revenue Projections of the Idaho State Legislature, January of the years 1983 - 1986 and 1988 - 2005.

Member of the Boise Visions Project Planning Committee. (City of Boise's Comprehensive Planning Project), and Liaison to the Boise Visions Executive Committee for the Utility and Water Planning Subcommittees, 1992

Member of the Ada Planning Association Demographic Advisory Committee: 1991, 1995, and 1997.

Economic Outlook Presentation to Boise Chamber of Commerce Executive Retreat, Sun Valley, Idaho, Sept. 1994

Kick-Off speaker, Idaho Manufactured Housing Association Annual Convention, Boise, ID, Annually 1991 - 2004.

Panelist, Boise Chamber of Commerce's Annual Economic Outlook Breakfast, Annually 1991 – 2003, 2008-2010.

Keynote speaker, Idaho Building Operators Association Annual Meeting, Sun Valley, Idaho, April 1998.

Keynote speaker, Idaho Hispanic Business Association Annual Meeting, Boise, Idaho, April 1998.

Panelist, Caldwell, Idaho Chamber of Commerce's Economic Outlook Breakfast, November 1998.

Keynote speaker, Franklin Building Supply's Contractor's Economic Outlook Forum, Boise, January 2001, 2002

Keynote speaker, D.L. Evans Bank Economic Outlook Forum, Boise, February 2001, 2002, 2003, & 2004.

Keynote speaker, Idaho Building Operators Association Annual Meeting, Boise, March 2001.

Keynote speaker, Nampa, Idaho Chamber of Commerce's Economic Outlook Breakfast, January 2002.

Speaker, Idaho Department of Transportation's, Transportation 2020 Conference, Boise, March 2000.

Columnist, Quarterly Reviews of Idaho's Economy for the Idaho Statesman, Boise, Idaho

Keynote speaker, Idaho Mortgage Banker's Association, Boise, April 2002-2010

Keynote speaker, Boise Chamber of Commerce's Annual Economic Outlook Breakfast, November 2009, 2010, 2011

Testimony presented to the Nampa City Council concerning the development of the Southwest Idaho Treatment Center Property (SWITC), December 2014

Testimony presented to a select group of Idaho Legislators from Canyon County in Idaho concerning the development of the SWITC property, November 2014

Past and/or Current Economic Consulting and Forecast Clients:

Agrium U.S.A.
City of Boise, Idaho
Farmers and Merchant's State Bank
Idaho Department of Water Resources
Idaho Small Business Development Center – Pocatello
Idaho Groundwater Users Association
Intermountain Gas Company
Northwest Research Group
St. Lukes Regional Medical Center
SunCor Idaho, LLC
Idaho Department of Education
Browning Ferris Industries (BFI)
Tamarack Resort
Idaho National Laboratory (INL)
Community Planning Association of Southwest Idaho (COMPASS)
Thompson Creek Mining Co.
Idaho Groundwater Users Association
Idaho Department of Education
Boise Metro Chamber of Commerce
CH2M Hill
Goldman Sachs
Idaho State Attorney General's Office
Idaho Power Company
McCall Memorial Hospital, McCall, ID
Magic Valley Regional Medical Center
Power Engineers
United Water Idaho
Holland and Hart, LLC
Hecla Mining Co.
Idaho Hospital Association
Sun Valley Development L.L.C.
-Warm Springs Ranch Development
JR Simplot Company
SunCor – Idaho, LLC
Harris Ranch Planned Community
M3 Companies, Pheonix, AZ
SPF Water Engineering

Additional Professional Activities:

Instructor, Department of Continuing Education, Boise State University: 1986 – 2000
Lecturer, Department of Economics, Boise State University: 2000 – Present

Past Users of State and County Economic Forecasts Prepared by John Church:

Idaho Chambers of Commerce:

Blackfoot Chamber of Commerce
Boise Area Chamber of Commerce
Bonner County Economic Development
Caldwell Chamber of Commerce
Coeur d'Alene Chamber of Commerce
Eagle Chamber of Commerce
Grangeville Chamber of Commerce
Homedale Chamber of Commerce
Idaho Falls Chamber of Commerce
Jerome Chamber of Commerce
Lewiston Chamber of Commerce
Meridian Chamber of Commerce
Moscow Chamber of Commerce
Mountain Home Chamber of Commerce
Nampa Chamber of Commerce
Ontario Chamber of Commerce
Payette Chamber of Commerce
Pocatello Chamber of Commerce
Rexburg Chamber of Commerce
Soda Springs Chamber of Commerce
St. Anthony Chamber of Commerce
Twin Falls Chamber of Commerce
Washington County Economic Dev.

Past Users of State and County Economic Forecasts Prepared by John Church:

State & Local Government:

Ada County, Ada County Sheriff
Ada Planning Association
Boise City Economic Development, Planning & Zoning, Police Department, & Public Works
Blaine County Planning & Zoning Commission
Boise County Planning & Zoning
Boise Neighborhood Housing Services
Boise State University
Caldwell, City of
Canyon County Planning and Zoning
College of Southern Idaho
Custer County Planning & Zoning
Elmore County Planning & Zoning
Emmett, City of
Filer, City of
Idaho State Government: Departments of:
Agriculture, Corrections, Commerce, Education, Financial Management, Law Enforcement Transportation, Tax Commission, & Water Resources
Idaho Falls, City of
Idaho Housing Agency
Idaho State University
Idaho Supreme Court
Malheur County Planning and Zoning
Mountain Home, City of
Nampa City Hall
State of Nevada, State Demographer's Office - UNR
Nez Perce County Planning
Nyssa, City of
Ontario, City of
Payette County Planning and Zoning
Pocatello, City of
Port of Lewiston
Twin Falls, City of
University of Idaho
Washington County Planning and Zoning
Valley County Planning & Zoning

Private Sector:

Albertsons Inc.
Associated Food Stores
Bank of America - Boise, Los Angeles, San Francisco
Bannock Regional Medical Center
BMC West
Caldwell Economic Development Project
CHQSA Architects
Consolidated Supply
Cornerstone Research
Davis, Wright, Tremaine
DBSI Realty
Dow Jones Co., New York
Dun & Bradstreet, New Jersey
Foodmaker, Inc
Global Travel
Group Health Northwest
Hecla Mining Company
Henkle-Buchanan Group
Holland & Hart
IDA-ORE Economic Development
Idaho State Journal
Intermountain Gas Company
Intermountain Health Care
International Strategies
JUB Engineers
Kootenai Electric - Coop.
Kootenai Regional Medical Center
KTVB
Lockheed Martin Idaho Technologies
Magic Valley Regional Medical Center
Marples Business Newsletter
McCall Memorial Hospital, McCall, ID
Medical Center Physicians
Medical Service Bureau
Moodys Investor Service
Mountain States Appraisal
O'Neill Enterprises Inc.
Pocatello Regional Medical Center
Post Register - Post Falls
St. Alphonsus Regional Medical Center
St. Lukes Regional Medical Center
U.S. BanCorp
United Water - Idaho
Qwest Communications
Valley Medical Center
Washington Federal Savings
Washington Water Power
Wausau Insurance Co.

Consulting Engagements in 2013 – February 2015:

M3 Companies, Pheonix, AZ

Update of the economic and fiscal impact analysis of the proposed Spring Valley planned community development in Eagle, ID

Given Pursley/United Water, Boise, ID:

Prepared long-term forecast of population, households, and water demand forecasts for United Water Idaho. The forecasts are integral part of United Water's IMAP application to the Idaho Department of Water Resources necessary for them to validate their existing water rights to serve the City of Boise, Idaho and in order for them to secure future water rights to serve future residential, commercial, and industrial customer growth in United Water's service area in Southwest Idaho.

Intermountain Gas Company, Boise, ID:

Prepared economic forecasts of population, households and employment for the 23 counties in southern Idaho served by Intermountain Gas Company. These forecasts are a key component of Intermountain Gas Company's biannual Integrated Resource Plan filings with the Idaho Public Utilities Commission.

The Land Group, Eagle, ID:

Prepared projections of future commercial development potential of 630 acres of prime development property owned by the Idaho Department of Health and Welfare. Examined historic commercial growth near the Nampa, ID site, examined current land values of commercial property near the site, and made projections of future employment and fiscal impacts upon the affected public service providers if the Idaho Department of Health and Welfare property is developed in the future.

The Land Group, Eagle, ID:

Prepared demographic profiles of the City of Eagle, ID for use in developing an upate of the Eagle Parks and Recreation Departments's comprehensive plan for park growth in the City of Eagle. Also evaluated currently available and future funding mechanisms for the acquision of additional land for parks in the City of Eagle.

SPF Water Enginerring, Boise, ID:

Prepared long-term forecasts of population, households, and employment by Traffic Analysis Zone's (TAZs), US Postal Service ZIP Code areas, and city for the communites in Ada, Canyon, and Elmore counties in Idaho as part of a larger project to project water demand by type of water user in the Boise River Basin for the Idaho Department of Water Resources.

Idaho Groundwater Users Association, Boise, ID:

Prepared an economic analysis of the Rangen Company's water delivery call to the Idaho Department of Water Resources and prepared and presented testimony concerning the delivery call to the Department of Water Resources.

Exhibit 5 REPORT AND AFFIDAVIT OF DON C. READING

A Review of the Population and Water Demand Forecasts in Suez Idaho Inc.'s Master Water Plan (2015 – 2065)

July 8, 2016

Ben Johnson Associates, Inc.

6070 Hill Road
Boise, Idaho 83703

Phone: (208) 342-1700
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Executive Summary[1]

This Report describes an investigation to determine the reasonableness of the demographic and water use forecasts in Suez Water Idaho Inc.'s *Master Water Plan For the Years 2015 to 2065* (adopted in 2016) ("Master Water Plan") that supports Suez's IMAP application. Suez Water Idaho Inc. ("Suez" or the "Company") was formerly known as United Water Idaho Inc.) This Report generally follows the reasonably anticipated future needs (RAFN) Guidance issued by the Idaho Department of Water Resources, comparing Suez's forecasts with methodologies, standards, and benchmarks in the RAFN Guidance. This Report also examines the technical aspects of the methods used to produce Suez's forecasts, and employs additional methods to test the reasonableness of Suez's assumptions and forecasts.

Suez's population and water demand forecasts are reasonable when compared to other contemporary forecasts. The contemporary forecasts used for comparison in this Report were developed for TV CAMP, COMPASS, and the Department's 2001 DCMI Report.[2] An additional check of Suez's population projections was made using the Department's population forecasting tool referenced in the RAFN Guidance. With the exception of one model form—which, as explained in the Report, is not a good predictor of future population—all of Suez's projections are lower or equal to the other forecasts derived from the Department's forecasting tool.

Suez's water demand forecasts for residential and commercial customers (which historically have comprised 99% of Suez's total water sales) result from regression analyses based on forecasts of Ada County households, and non-agricultural employment. These regression equations contain logically selected driving variables and have robust statistical fits.

A hurdle in preparing Suez's forecast, and in comparing it to others, is the fact that Suez's Planning Area encompasses portions of multiple incorporated and unincorporated areas in

[1]Capitalized terms used in this Executive Summary are defined in the main text of the Report.

[2]The analysis in this Report was undertaken prior to the release of *Treasure Valley DCMI Water-Demand Projections (2015-2065)* undertaken by SPF Water Engineering, LLC on behalf of the Idaho Water Resource Board and the Idaho Department of Water Resources.

Ada County. No other available population or water demand forecast has precisely the same geographical scope as Suez's Planning Area. To corroborate its residential and commercial water demand forecasts, Suez's demographic and forecasting consultant, Mr. John Church with Idaho Economics, matched the geographical boundaries of Suez's Planning Area with Traffic Analysis Zones, or TAZs, defined by COMPASS. Mr. Church also identified and performed field inspections of potential growth areas using his professional judgment to aid in developing a forecast of population growth in individual TAZs within Suez's Planning Area. Although different growth assumptions could be made among the various TAZ, the fact that Suez's projections are consistent with other contemporary forecasts indicates as a whole they are within reason.

Most of the future growth within Suez's Planning Area will occur where non-potable irrigation water systems are not available. Where these systems operate, demand for irrigation water provided by Suez is reduced. Subdivisions without these systems consume approximately one-third more water for lawns and gardens than those that have them, thus increasing Suez's peak water demand. Suez's water demand forecast assumes the future use of such systems will grow proportionately along with water sales such that the percentage of future customers with non-potable irrigation will remain constant. This assumption appears to underestimate non-potable irrigation's potential growth, and in turn means an underestimation of Suez'z water demand.

The Great Recession beginning in 2007 had a significant impact on both Suez's customers and their water use. Suez's forecast, over its 50-year Planning Horizon, assumes long term growth that reflects a return to more normal times. At the same time, Suez conservatively forecasts lower than historical growth rates—the forecasted 50-year annual average compound growth rates for customers and water sales are below the 25 year historical averages for the Company.

The demographic and water demand forecasts for Suez over the next 50 years is complex and detailed. Different assumptions could be made for the various aspects of the forecasts that could differ from those made by Suez and still be considered reasonable. However, the forecast as a whole is reasonable and compares well to other available projections.

Suez's forecast predicts annual residential customer growth at 1.8% and residential water demand growth at 1.4% over the 2015 to 2065 period, indicating decreasing use per customer. System peak day production is expected to grow from 87,311,000 gallons in 2010 to 239,702,000 gallons in 2065, or by 1.9% annually.

Introduction

This Report presents a review of the demographic and water demand forecasts in the Master Water Plan developed by Suez. The Master Water Plan and its forecasts also are used to support the Company's Integrated Municipal Application Package ("IMAP"), which is a package of transfer applications Suez filed with the Idaho Department of Water Resources ("IDWR" or "Department") to establish and quantify its reasonably anticipated future needs ("RAFN") and thereby secure the protections of the Municipal Water Rights Act of 1996 ("1996 Act") for its existing portfolio of rights.

This Report generally follows the protocol set forth in the Department's November 13, 2013 guidance memorandum (revised March 16, 2015) entitled *Recommendations for the Processing of Reasonable Anticipated Future Needs (RAFN) Municipal Water Rights at the Time of Application, Licensing, and Transfer* ("RAFN Guidance"). The RAFN Guidance "is intended to provide guidance and support to [Department] staff in evaluating and processing applications for reasonably anticipated future needs (RAFN) water rights and can be used to provide assistance to applicants seeking RAFN water rights throughout the application, permit, license, and transfer processes." RAFN Guidance, p. 4. The RAFN Guidance discusses what IDWR terms the "four fundamental components" to evaluating RAFN in this order: (1) service area; (2) planning horizon; (3) population projections; and (4) water demand projections. *Id.* p. 5.

Although Suez is not required to follow the RAFN Guidance in developing its forecasts for its Master Water Plan (which is an internal Company document not subject to Department Review), this Report nevertheless analyzes Suez's forecasting approach by looking at the methodologies and benchmarks in the RAFN Guidance because (a) the RAFN Guidance is the Department's only official guidance on how a municipal water provider should forecast its future water demand, and (b) because Suez's population and water demand forecasts support the IMAP

(a RAFN application). In addition to the issues raised in the RAFN Guidance, this Report includes other analyses of the reasonableness of Suez's forecasts, and addresses technical aspects of the methods used by Suez's consultant, Mr. John Church of Idaho Economics, in developing the forecasts.

Discussion

1. Suez's Planning Area

The RAFN Guidance discusses the use of a "service area," which in relevant part is defined in Idaho Code 42-202B(9) as "that area within which a municipal provider is or becomes entitled or obligated to provide water for municipal purposes. . . . For a municipal provider that is not a municipality, the service area shall correspond to the area that it is authorized or obligated to serve, including changes therein after the permit or license is issued." Much of the RAFN Guidance's discussion of service areas deals with municipalities, and therefore is not relevant to Suez (which is not a municipality).

Concerning non-municipality municipal providers like Suez, the RAFN Guidance states that such a provider may establish its service area based on "Public Utility Commission approval documents . . . which demonstrate a RAFN service area within which the applicant has authority or obligation to provide water." RAFN Guidance, p. 6. Pursuant to Idaho Code 42-202B(8)'s requirement that "[r]easonably anticipated future needs shall not include uses of water within areas overlapped by conflicting comprehensive land use plans," the RAFN Guidance also states that, "[w]hen evaluating a proposed RAFN service area where two or more municipal providers abut one another, the applicant should research adjacent community planning areas to confirm that overlaps in competing planning areas *specific to water service* do not exist." *Id.* pp. 6-7 (emphasis original).

The RAFN Guidance, p. 7, summarizes the delineation of service areas as follows:

> In conclusion, RAFN service areas should be delimited to include all existing contiguous and non-contiguous areas of water service (assuming they are combined) and adjacent areas poised for

> development and likely to occur within the established planning horizon time period. However, the proposed RAFN service area cannot include areas where water is not provided at the time of application if the proposed RAFN service area is overlapped by adjacent land use planning boundaries, or is already included within the service area of a municipal water provider other than the municipal provider under consideration.

Consistent with the RAFN Guidance, Suez adopts a "Planning Area" in its Master Water Plan which corresponds to the area that Suez anticipates its service area will be at the end of its Planning Horizon (described below). Suez's present service area will undoubtedly expand over the next 50 years. That expansion is reflected in the Planning Area, which is a contiguous area that, in large part, coincides with Suez's current service area. The Planning Area includes all of Suez's existing contiguous service area certificated by the Idaho Public Utilities Commission, and adjacent areas that Suez believes are poised for development and likely to be developed within the Planning Horizon. Where it deviates from the Company's current service area, it avoids areas currently within cities' areas of city impact (with the exception of Boise City, which has a franchise agreement for water service with Suez) and other municipal providers' service areas. Thus, it does not include areas overlapped by adjacent land use planning boundaries, or areas already included within the service area of another municipal water provider. The predicted expansions of Suez's current service area reflected in the Planning Area are primarily in the foothills north of Boise and in the relatively flat areas south of Boise where future growth can be reasonably anticipated.

2. Suez's Planning Horizon

Suez's forecasts extend 50 years, from 2015 through 2065. This is consistent with planning horizon durations in several "water planning references" cited in the RAFN Guidance, which range from 10 to 100 years. Suez's 50-year Planning Horizon also is consistent with other water supply forecasts in Idaho, including those referenced in the RAFN Guidance such as the City of Meridian's Master Water Plan, the City of Rexburg's 2008 Water System Technical Memorandum, the Rathdrum Prairie Comprehensive Aquifer Management Plan ("Rathdrum CAMP"), the Treasure Valley Comprehensive Aquifer Management Plan ("TV CAMP").

RAFN Guidance, p. 8. As suggested in the RAFN Guidance, "planning horizons between 10 and 55 years are the standard amongst the planning profession and in the actual adoption of planning documents within the State of Idaho." RAFN Guidance, p. 8.

The RAFN Guidance states that "[p]lanning horizons greater than 20 years can be considered by the Department, but when proposed they should be supported by long-term planning documents such as those listed in Table 2 [referencing Master Water Plans, among other planning documents] and by professionally prepared demographic studies substantiating the duration of the planning horizon period." RAFN Guidance, p. 8. Suez's Master Water Plan, which includes the population and demographic studies professionally prepared by Idaho Economics, is consistent with this standard.

The RAFN Guidance also addresses the statutory requirement that RAFN "refers to future uses of water . . . reasonably expected to be required within the planning horizon of each municipality within the service area not inconsistent with comprehensive land use plans approved by each municipality." I.C. § 42-202B(8). This statutory provision does not clearly apply to Suez, which is not a municipality and does not have a "comprehensive land use plan." However, Suez's Planning Area includes portions of the Cities of Boise, Meridian, and Eagle, and portions of unincorporated Ada County—all of which have comprehensive land use plans. The RAFN Guidance does not expressly address this situation—where a municipal provider's service area overlaps portions of several different municipalities—but it does suggest that Section 42-202B(8) should be interpreted to mean that the planning horizon period proposed by a RAFN applicant "should be consistent with the master [water] plan for the coincident period of time shared between the planning horizons of both documents." RAFN Guidance, p. 9. Suez's Master Water Plan and IMAP application appear consistent with this requirement because the Planning Horizon for the IMAP and the Master Water Plan both ending in 2065 and they share the same population and water demand projections.

3. Suez's Population Projection

A. Consistency with RAFN Guidance Methodologies and Standards

Idaho Code § 42-202B(8) states that RAFN must be based on "population and other planning data." The RAFN Guidance interprets this requirement to mean that "[t]o establish its

RAFN, a municipal provider must estimate its future population within its service area at the end of the planning horizon." RAFN Guidance, p. 9. The RAFN Guidance further provides:

> [W]here appropriate data exists, Department staff should expect the following components and considerations regarding population forecasts to be addressed and discussed in detail by the applicant[:]"
>
> 1. A critical survey of existing contemporary population studies applicable to the local area to establish likely upper and lower boundaries for population growth.
>
> 2. Project population using standard technical methods, such as regression, extrapolation, or cohort survival models. To make extrapolation appropriate, one should account for geography, resource constraints, economic conditions, and other limiting factors or anticipated events, such as relocation of a commercial or industrial use.
>
> 3. Compare the results of the population projections from step 2 to the results of the critical survey from step 1 and apply professional judgment to evaluate whether the population projections are likely to occur within the planning horizon and are, therefore, reasonable.

RAFN Guidance, p. 9.

The two contemporary long-term population forecasts used for comparative purposes were developed for the TV CAMP[3] and the Community Planning Association of Southwest Idaho ("COMPASS").[4] The TV CAMP population projections were prepared in 2010 and extend fifty years, through 2060. COMPASS's most recent forecast extends to 2040. Both forecasts project population for all of Ada County, with specific projections for each

[3] Treasure Valley Future Water Demand, WRIME Inc., Idaho Department of Water Resources, November 2010.
[4] Community Planning Association of Southwest Idaho, Demographic Forecasts, 2013.

municipality in the County, but neither projects population specific to Suez's Planning Area. Suez's population forecast for its Planning Area is based on a forecast for all of Ada County, which makes Ada County the common variable that can be compared among the forecasts.

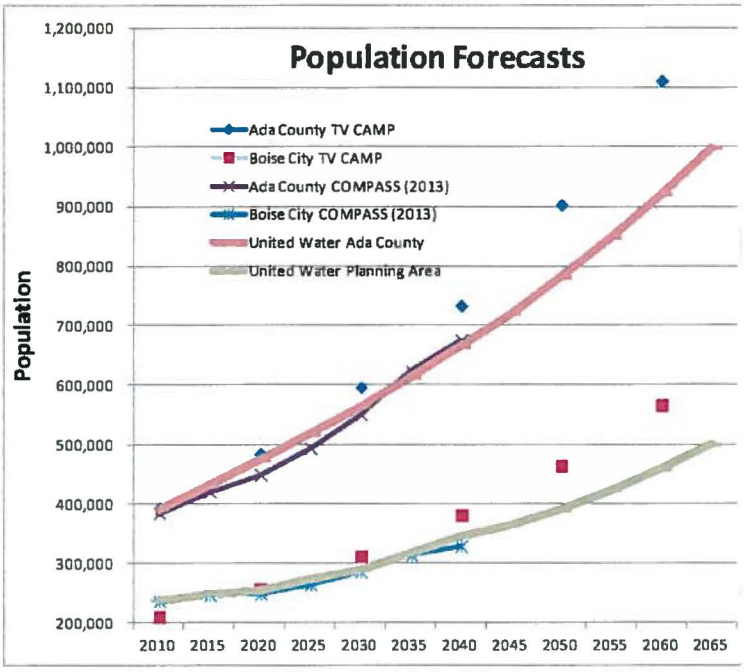
As can be seen in Table 1 and Graph 1 below, Suez's Ada County population projection is lower than TV CAMP's over similar planning horizons, and is consistent for the first 30 years with the COMPASS forecast.[5]

Table 1

POPULATION						
	Treasure Valley CAMP (2010)		COMPASS (2013)		Church Forecast	
YEAR	Ada County	Boise City	Ada County (2013)	Boise City (2013)	Suez Ada County	Suez Planning Area
2010	392,734	209,821	383,491	235,384	390,768	237,670
2015			419,911	245,565	431,010	247,345
2020	483,455	255,771	448,271	247,957	474,430	254,867
2025			493,221	264,019	517,167	272,927
2030	595,132	311,783	549,121	285,013	563,256	288,770
2035			621,990	312,530	612,605	317,524
2040	732,606	380,062	674,144	328,292	663,956	345,259
2045					719,507	364,083
2050	901,837	463,293			780,858	389,126
2055					847,440	422,387
2060	1,110,159	564,752			919,699	459,154
2065					998,120	499,708

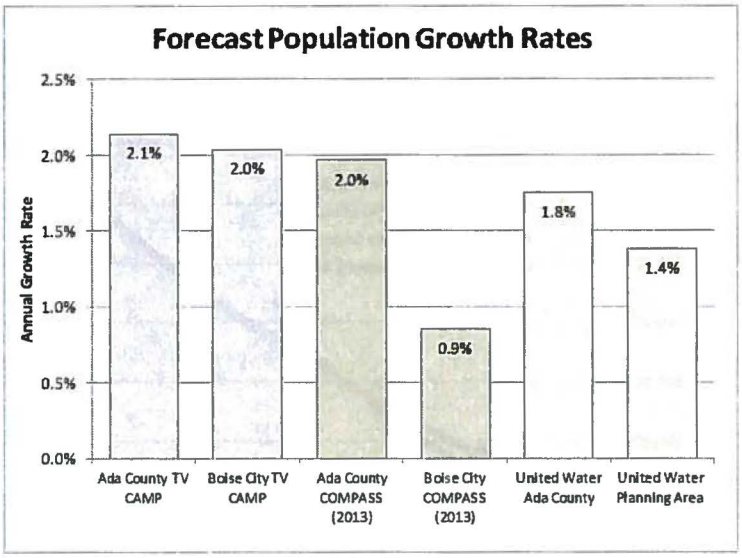
[5] It should be noted that population projections in Suez's Master Water Plan are lower than those submitted with the Company's original IMAP application in 2001. For example, the Suez's Ada County population forecast for 2050 dropped from 813,966 in 2001 to 780,858 in the current forecast.

Graph 1



Another way to compare each of the population forecasts is by annual compound growth rates for the respective forecast periods, as displayed in Graph 2 below. The forecasted annual compound growth rate for Suez's Planning Area is lower than any of the contemporary population forecasts, except COMPASS's forecast for the City of Boise. Higher future growth rates for Suez's Planning Area than in the City of Boise can be expected because there is about 43% of Suez's Planning Area lying outside the City of Boise in Eagle, North Meridian and parts of unincorporated Ada County where there is more undeveloped land with potential to accommodate growth than in the City of Boise.

Graph 2



The RAFN Guidance, p. 9, indicates that applicants projecting annual population growth rates in excess 2.5% would need to provide "extra justification" supporting their estimates. Suez's Planning Area annual growth rate forecast is less than half this amount, thus not requiring additional justification.

B. Consistency with IDWR's Population Forecasting Tool

The RAFN Guidance suggests using its Microsoft Excel population forecasting tool ("PopForecastTool.xlsx") to check the forecasts of municipal providers that produce more sophisticated forecasts (like Suez). RAFN Guidance, p. 10.[6] Table 2 and Graph 3 below depict the six different model forms contained in IDWR's forecasting tool using 80 years (1930 through 2010) of Ada County population data. Similar results were found using a shorter time of 40 years of historical data (although Modified Exponential and Gompertz projections are not valid for this shorter historical time frame). As can be seen, the Suez forecast is consistent with or lower than any of the relevant model forms. The logarithmic model form is not relevant because, as noted in the "PopForecastTool.xlsx," it assumes a constant growth increment from one year to the next and may be applicable to rural, small, slow growing regions unlike Ada County.

[6] "The tool may also be useful directly to Department staff as a means of roughly verifying the population forecasts made by an applicant, allowing Department staff the opportunity to 'double check' a proposed growth rate or population forecast." RAFN Guidance, p. 10.

Graph 3

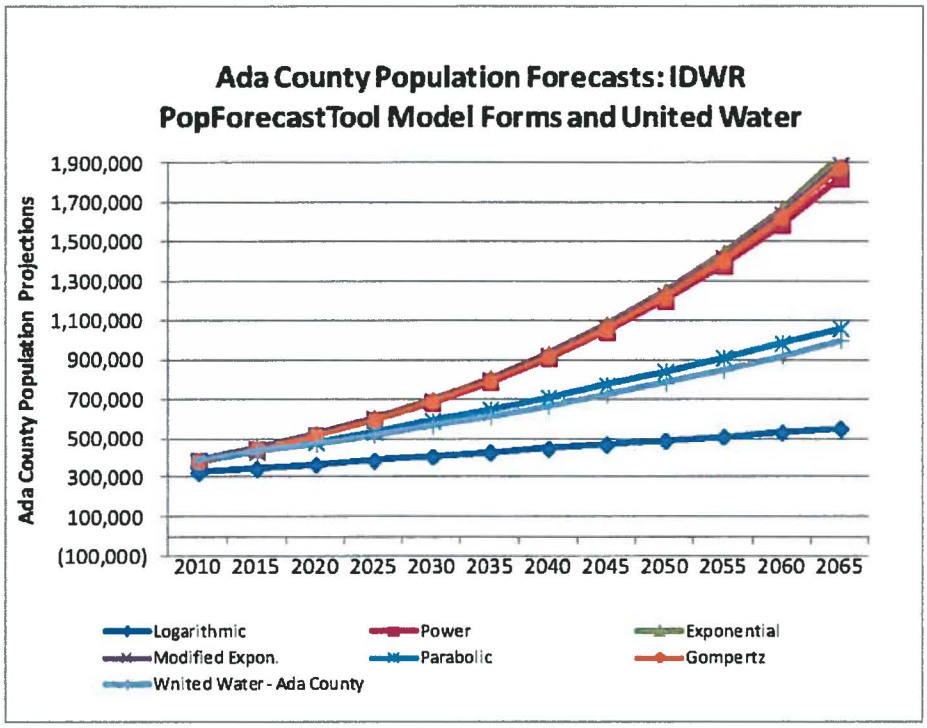


Table 2

Ada County Population Forecasts: IDWR PopForecast Tool Model Forms and United Water							
YEAR	Logarithmic	Power	Exponential	Modified Expon.	Parabolic	Gompertz	Wnited Water - Ada County
2010	326,275	387,801	389,531	388,751	385,139	386,283	390,768
2015	346,783	447,154	450,539	448,885	431,529	446,074	431,010
2020	367,241	515,408	521,101	518,306	480,906	515,100	474,430
2025	387,648	593,873	602,715	598,452	533,271	594,785	517,167
2030	408,004	684,045	697,111	690,977	588,623	686,772	563,256
2035	428,311	787,633	806,291	797,795	646,963	792,955	612,605
2040	448,568	906,595	932,570	921,113	708,290	915,521	663,956
2045	468,775	1,043,164	1,078,628	1,063,480	772,605	1,056,993	719,507
2050	488,933	1,199,896	1,247,560	1,227,838	839,907	1,220,280	780,858
2055	509,041	1,379,706	1,442,950	1,417,584	910,196	1,408,739	847,440
2060	529,077	1,585,922	1,668,941	1,636,640	983,473	1,626,244	919,699
2065	549,112	1,822,480	1,935,324	1,890,350	1,059,738	1,877,300	998,120

C. Other Technical Aspects of Suez's Population Forecast

Suez's population and household forecast begins with a cohort model that Idaho Economics produces on a regular basis for Ada County, as well as other counties in Idaho. The overall Ada County population and household forecast is important because it drives the regression analysis used to forecast residential customers and residential water demand (which historically has been the vast majority of Suez's water demand). The regression analysis developed by Mr. Church for Suez is further described in section 4.B below.

However, as mentioned, Suez's Planning Area does not encompass all of Ada County. So, to define the geographic area that matches Suez's Planning Area for purposes of forecasting the population and households that are contained in COMPASS's Traffic Analysis Zones ("TAZs"). The TAZs are roughly 1,300 irregularly shaped and variously sized divisions of Ada County that can be matched to Suez's Planning Area with reasonable precision. If a 1,300 piece TAZ jigsaw puzzle of Ada County were fashioned, Suez's Planning Area would consist of about 540 pieces.

COMPASS forecasts population and households in Ada County by TAZ through 2040. The COMPASS projections were calibrated with the Idaho Economics' cohort estimates of population and housing in Ada County to create Suez's population and household forecast through 2040. This is a straightforward approach that provides consistency between Suez's and COMPASS's forecasts.

For the forecast period from 2041 through 2065, Mr. Church used his professional judgment to develop a variety of expected growth rates for the individual TAZs within Suez's Planning Area.[7] Mr. Church "ground truthed" his assumptions by inspecting many of the TAZs during site visits. This approach produced significantly different growth rates among the various TAZs for different years within the 2014 to 2065 forecast period.

For example, several TAZs in the rural foothills areas north of Boise and Eagle are projected to grow at 1.6% annually from 2041 through 2050, and then down to 1.0% from 2051

[7] Where Suez's Planning Area boundary bisected a TAZ, the forecast was scaled to the approximate area within the Planning Area.

through 2065, reflecting an assumption that they contain prime developable land in the near term, but that development potential will slow over time. On the other hand, the majority of the TAZs in Boise's central bench area are projected to grow at only 0.1%, with some at 1.0% for the post 2035 period, because most of the area is already developed. This same pattern holds true for Boise's north end area, again indicating an already developed area with limited grown potential. Many of the TAZs in downtown Boise are projected to grow at 1.0%, reflecting an expected conversion of commercial property into apartments and condominiums.

The approach used by Mr. Church has both an upside and a downside when attempting to judge the reliability of the forecast. The upside is that the TAZs provide a way to project population within Suez's Planning Area that is consistent with COMPASS's forecast through 2040, and a way to examine the current status and development potential of discrete areas within the Planning Area after that. The downside is the difficulty of judging the reasonableness of the assumptions made for each of the TAZs used to produce the forecast. In the end, however, while different growth assumptions could be made for each TAZ that also may be logical, the final result may not differ significantly. As discussed above, Suez's forecast through 2065 appears to compare reasonably with the other contemporary forecasts.

Suez's residential and commercial customer forecasts (and, in turn, the residential and commercial customer water demand forecasts) result from regression analyses based, respectively, on total forecasted Ada County population and non-agricultural employment. The TAZ analysis does not drive the residential or commercial customer forecasts, or demand forecasts—it merely corroborates the accuracy of the regression analyses. Therefore, differences among any of the individual TAZs that comprise the forecast would not significantly change the water demand end results.

4. Suez's Water Demand Projections

A. Consistency with RAFN Guidance Methodologies and Standards

The RAFN Guidance describes three general categories of water uses that should be forecasted—residential use, non-residential use, and "unaccounted for water" ("UAW")—each of which includes a number of more discretely defined uses. RAFN Guidance, p. 10. For example, it describes residential use as including in-home use, out-of-home use (e.g. landscape

irrigation), and fire protection, while non-residential use is described as including industrial use, commercial use, public facility use, and "any and all other municipal uses." *Id.*

Suez's total water demand forecast generally contains the same types of water uses described in the RAFN Guidance, although it does not strictly follow the same "residential," "non-residential," and UAW category format. Instead, Suez forecasts for residential, commercial, public authority sales, "other" water sales, Company use, non-billed hydrant use, and system losses.

The residential and commercial customer classes historically comprise 99% of Suez's total water sales (i.e. demand), and 95% of total water production.[8] These dominant water demand categories are forecasted separately from each other, and all other water use categories, using regression analyses to project the number of residential and commercial customers and demand per residential and commercial customer. Independent variables used in the regression equations include seasonal factors, weather normalization (temperature and precipitation), the price of water, and conservation. Each of the four regressions—residential customers, residential demand, commercial customers, and commercial demand—are discussed in greater detail below. In order to check the general validity of Mr. Church's forecast results, I performed annual regressions—as opposed to the monthly regressions in Mr. Church's forecast. Annual regression analysis does not consider seasonality and is less data intensive. It was preformed to see if there might be some anomalous interactions of the independent variables used. None are apparent.

For all other water use categories, Suez's forecasts are driven primarily by their historical fraction of water sales or system production. These forecasts are discussed briefly following the residential and commercial subsections.

B. Residential Customer and Water Demand Forecasts

The RAFN Guidance states that the "most widely implemented approaches" to water demand forecasting is what it calls the "per capita requirements method". RAFN Guidance, p. 11. This methodology has three basic components: (1) the projected future number of residential customers; (2) water use per customer; and (3) a peaking factor. *Id.*, p. 11. Suez's

[8] Water demand is the amount of water customer's use. Water production, on the other hand, is the amount of water Suez produces, which also includes water system losses and other non-billed uses. The differences can be at a given point in time can also be attributed to changes in water storage levels.

residential water demand forecast incorporates these components. Each component is described in greater detail in the following subsections.

i. Residential Customers

Suez's forecast projects residential customers based on Ada County households, a variable to account for the addition of South County Water Company to Suez's service territory, and a trend variable that accounts for the time dimension in the regression equation. The trend variable accounted for, among other things, the declining share of Ada County households within Suez's Planning Area over time.

Suez's purchase of South County Water in 1999 added over 4,000 customers to their system. This variable was included as a binary independent variable (0 or 1) in the regression equation to account for the significant change in customers and water use found in the historical data. The statistical fits of each of the independent variables, as well as the equation as a whole, were above the 95% level, indicating the equation has good statistical reliability. I performed an annual (rather than monthly) regression using the same variables as those used by Suez. This produced similar results and statistical reliability.

As discussed above, there are no available household forecasts specific to Suez's Planning Area. Accordingly, to produce a Planning Area forecast, Mr. Church's econometric model forecasts of Ada County households were distributed spatially by allocating them among COMPASS's TAZs located within the Planning Area. The regression analysis prediction of residential customers was thereby shown to be consistent with forecasts of the number of households (and potential customers) inside Suez's Planning Area.

For the 2010 through 2065 period, Suez projects growth of its residential customers at 1.8% annually, and Planning Area households at a 1.5% rate. Much of Suez's Planning Area is urban and suburban and therefore will likely have a higher percentage of apartments and condominiums compared to the generally more rural surrounding area. The Company's Planning Area, on which the forecast is based, is less urban than its current service area. In the more urban areas it is common that multifamily units are 'master metered' where one water meter serves all of the units and water charges are included in the rent or homeowners association dues. This would mean as Suez grows from its current service area into its Planning Area, customers would be expected to grow faster than households.

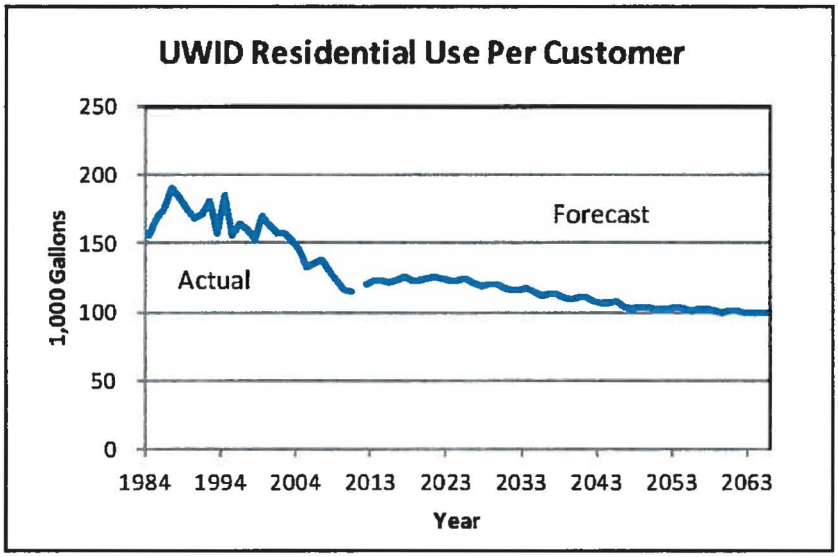
Over the last 25 years of historic data (1986 to 2011), Suez's residential customer base grew at a 3.0% average annual rate. Suez projects residential customer growth to average 1.8 % annually from 2015 through the end of the Planning Horizon. The slower future growth rate can be expected because other municipal water providers' service areas limit Suez's ability to expand its service area.

ii. Water Use per Residential Customer

Suez's annual average residential use per customer projection is a function of weighted degree days, weighted precipitation, price, income per capita, acquisition of South County Water Company, and five monthly binary variables representing the peak usage summer months, use that is reflected in billing for the months of July through November, which historically have been the highest use months. The weighting of the weather variables is necessary because Suez bills customers bi-monthly. Hence, the metered consumption reflected in bi-monthly bills is adjusted to match monthly weather data to determine monthly demand. Each of the independent variables, as well as the residential use per customer regression equation as a whole, statistically fit above the 90% level, again indicating good statistical reliability

As displayed in Graph 4 below, Suez projects a steady decline in residential per customer use over the Planning Horizon. However, the forecast reflects an increase in residential use per customer from 2011's actual data of 114 thousand gallons to the start of the forecast period in 2012 at 121 thousand gallons, This reflects a presumed 6% uptick in residential demand per customer during the economic rebound currently being experienced after demand declined by over 15% during the "Great Recession" of 2007 through 2011. A significant portion of decline in per customer use during the Great Recession can be attributed to the large number of vacant homes that remained hooked to Suez's system (i.e. that remained "customers") but that minimally used water, such as for basic maintenance purposes only. This obviously would have the effect of reducing average per customer use for Suez's whole system. Suez's forecast assumes a return to more normal economic conditions for the Planning Horizon.

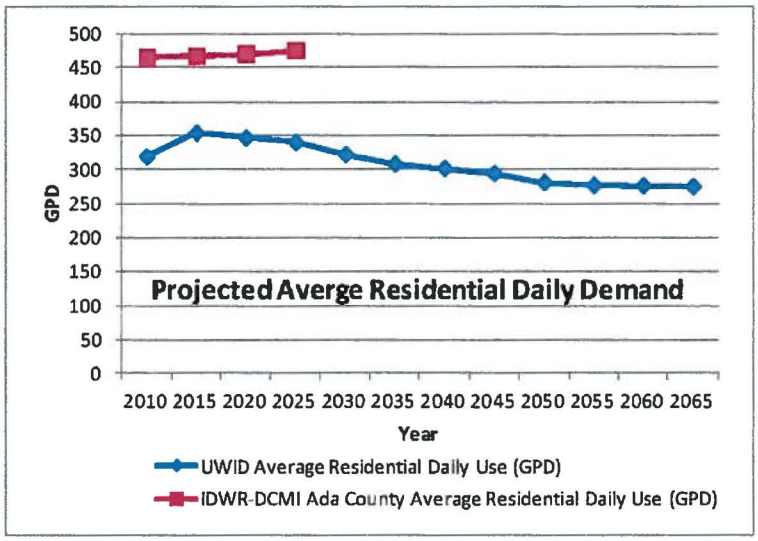
Graph 4



According to the Summary of Published Values of Average Residential Daily Consumption in Table 3 of IDWR's RAFN Guidance, the average daily water consumption per home varies between 150 and 800 gallons per day (GPD). The projected average daily residential customer use per household in Suez's Planning Area is in the bottom half of this range. The highest projection is 286 GPD per household in 2020, which declines to 246 GPD per household by 2065.

The Department's December 2001 report, *Domestic, Commercial, Municipal and Industrial Water Demand Assessment and Forecast in Ada and Canyon Counties*, Idaho ("DCMI Report"), Table A-7, projects Ada County's average household daily demand at 464 GPD in 2010, rising slightly to 475 GPD in 2025, which is approximately one-third higher than the amounts projected by Suez. Suez's forecast for daily water use per household is displayed below in Graph 5 along with the average daily use from the DCMI Report.

Graph 5



The RAFN Guidance notes that "[r]esidential irrigation can have a dramatic effect on [a municipal provider's] per capita water demand" depending on whether irrigation water is provided by the municipal provider or another source. RAFN Guidance, p. 11. Non-Potable Irrigation ("NPI") is the term Suez uses to represent customers that have access to surface irrigation water to water lawns and gardens. Suez's studies confirm the effect of NPI on municipal water demand, indicating about a 30% reduction in water consumption for residences that use NPI. Suez assumes that NPI use in will remain a constant fraction of overall water production throughout the Planning Horizon. This is a conservative assumption (meaning it likely results in underestimating Suez's future demand) because a higher than assumed proportion of future growth in Suez's Planning Area will occur in areas that do not have NPI available, thereby requiring those customers to irrigate with municipal water supplied by Suez.

iii Peaking Factor

The RAFN Guidance recognizes that "[b]ased upon the transient needs of a static population base, water demand will vary seasonally, daily, and hourly. . . . These fluctuations in demand are normally estimated in terms of peaking factors or multipliers, which are often expressed as a percent of average demand." RAFN Guidance, p. 13. The RAFN Guidance goes on to define a number of terms used to discuss different components of a peak water demand

analysis, including "average daily demand (ADD), maximum day demand (MDD), maximum monthly average day demand (MMAD), peak hourly demand (PHD), and peak instantaneous demand (PID). *Id.* pp. 13-14. Table 4 of the RAFN Guidance, p. 13, summarizes several published peaking factor values, including ratios of MDD:ADD which range from 1.4:1 and 3.5:1.

The RAFN Guidance also states that, "[i]f storage is used by the water provider to meet peak demands, then the MDD value represents the maximum diversion rate that should be authorized by the RAFN water right permit." RAFN Guidance, p. 14. Suez has storage for emergencies and to help meet peak demand, thus making MDD the appropriate peaking factor for Suez according to the RAFN Guidance.

Water production data, as opposed to consumption data, was used to define Suez's historic MDD. According to twelve years (2000 through 2011) of monthly system production data submitted to the Idaho Public Utilities Commission, Suez's peak production month is August. This data shows that Suez's Peak Day (the equivalent of the Department's MDD) is a relatively stable 3.51% of August production. This factor is used by Mr. Church to generate Suez's Peak Day forecast.

For purposes of comparing Suez's Peak Day (i.e. MDD) forecast to the MDD:ADD rations in Table 4 of the RAFN Guidance, p. 13, Suez's ADD can be derived by dividing forecasted total water demand by 365. As can be seen in Table 3 below, Suez's MDD:ADD ratio varies between 2.2:1 and 2.7:1 throughout the Planning Horizon that falls comfortably within the range specified in the RAFN Guidance.

Table 3

IMAP 2014 (1,000 gallons)				
	(A)	(B)	(C)=(A)/365	(B):(C)
YEAR	Total System Sales IMAP 2014	Maximum Day Demand 2014 (MDD)	Average Daily Demand (ADD)	Range from Table 4; 1.5 - 3.5:1 MDD:ADD [IDWR Default Value 2.0]
2010	13,214,847	87,311	36,205	2.41
2015	15,484,647	95,700	42,424	2.26
2020	17,273,514	112,989	47,325	2.39
2025	18,842,475	126,390	51,623	2.45
2030	19,809,805	134,645	54,273	2.48
2035	21,008,573	146,288	57,558	2.54
2040	22,536,663	158,384	61,744	2.57
2045	24,185,457	171,575	66,262	2.59
2050	25,035,109	183,582	68,589	2.68
2055	27,518,279	200,544	75,393	2.66
2060	30,002,522	219,318	82,199	2.67
2065	32,645,637	239,702	89,440	2.68

C. Commercial Customers Forecast

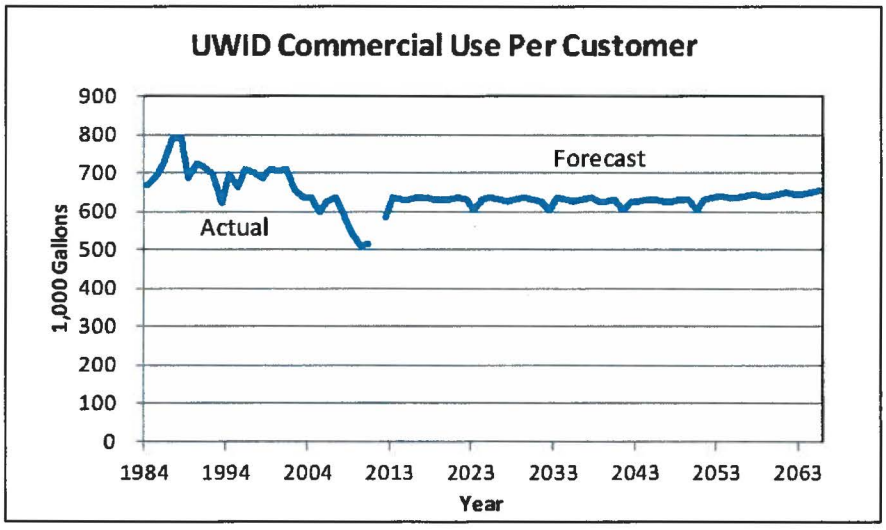
i. Commercial Customers

Suez's regression analysis projects commercial customers using independent variables, including Ada County non-agricultural employment, a variable to account for the acquisition of South County Water in 1999, and the same time variable used in the residential forecast equation. As with the residential customer forecast, the statistical fits of each of the independent variables, and the regression equation as a whole, were above the 95% level. As with the residential forecast, I performed an annual regression run using the same independent variables. This produced results close to the monthly results in Suez's forecast. Both methods generated annual growth rates over the forecast period (2015 to 2065) at 1.6%, which is significantly lower than Suez's commercial customer annual growth rate of 3.4% for the 25 years prior to the forecast period (1986 to 2011).

ii. Commercial Use per Customer:

Like residential use per customer, Suez's regression analysis projecting commercial use per customer uses the same independent variables found in the residential use per customer equation. The statistical reliability of each of the independent variables, as well as the equation as a whole, was above the 90% level, with all but precipitation for July above the 95% level. Suez's commercial use per customer declined by nearly 19% during the Great Recession (2001-2011), which can be attributed to general commercial sector decline and the loss of some very high use customers. Prior to the Great Recession, these high use customers inflated the average use per commercial customer. Like the residential use per customer forecast described above, Suez's forecast assumes a return to more normal economic conditions throughout the Planning Horizon. This is reflected in the forecast beginning in 2012 at 614 thousand gallons, which is a substantial increase over 2011 (516 thousand gallons), but still less than commercial use per customer in 2001 (710 thousand gallons) which preceded the sharp decline in use documented from 2001 through 2010. Suez projects commercial use per customer growth at a modest rate of 0.1% from 2012 through end of the Planning Horizon in 2065, as shown in Graph 6 below.

Graph 6



D. Other Water Use Categories

For all other categories of water use, Suez's forecasts are driven primarily by their historical fraction of water sales or system production. While data was available from 1984

through 2011 to establish statistical relationships between these smaller water use or water production categories and overall water sales or production only the most recent trends in the years 2000 – 2011 were used to estimate these relationships. Independent variables, such as the projected number of households and employment in Ada County from Idaho Economics' forecast model, also are used. Given their historically small influence on Suez's total water demand, this forecasting method is reasonable.

Public Authority water sales were modeled as a function of monthly Residential and Commercial water sales. A monthly factor was developed from the historical relationship between Public Authority water sales divided by the total of monthly Residential and Commercial water sales. This relationship was developed on the premise that the number, size, and water use of Public Authority customers (Schools, public buildings, etc.) would increase at a rate that would be proportional to general overall population and/or employment growth in the planning area.

The categories of "Other" water sales were modeled as a function of monthly Residential, Commercial, and Public Authority water sales. A monthly factor was developed from the historical relationship between "Other" water sales divided by the sum of monthly Residential, Commercial, and Public Authority water sales. The "Other" water sales parameter varies by month, but, on an annual average basis represents 0.23 percent of annual water sales.

Company water use is modeled as a monthly factor of monthly water production over the 2000 to 2011 period. Water production for the Company use parameter varies by month, but, on an annual average basis represents 0.255 percent of annual water production.

Non-billed Hydrant water use is modeled as a monthly factor of monthly water production over the 2000 to 2011 period. Water production for the Hydrant use parameter varies by month, but, on an annual average basis represents 0.032 percent of annual water production. System water losses are modeled as a monthly factor of monthly water production over the 2000 to 2011 period. The water production for system water losses parameter varies by month, however on an annual average basis represents 4.37 percent of annual water production.

5. Additional Analyses of Suez's Forecasts

This section of the Report contains two additional analyses of Suez's forecasts. The first analysis compares Suez's water demand forecast to two other contemporary water demand

forecasts. The second analysis compares Suez's actual historical customer, sales, and production data to the forecasted figures.

A. Consistency with Other Contemporary Forecasts

Suez's forecast may be compared to other contemporary water demand forecasts as a means of determining its general reasonableness. There are two contemporary long-term water demand forecasts that can be used for this purpose, as were also used for population comparisons are the TV CAMP and the Department's DCMI Report. The DCMI Report forecasted demand in Ada County through 2035, while the TV CAMP's water demand projections for Ada County run through 2060. Neither of these resources contains forecasts specific to Suez's Planning Area.

Graph 7 below displays Suez's total water demand forecast and those reflected in the TV CAMP and DCMI Report. Although the water demand forecasts shown in Figure 7 are for different areas, they are useful for comparison. The forecasts' respective total annual water demand projections (by volume) are scaled to the Graph's left axis. In addition to its total annual volume projections, Suez's Peak Day volume projection is included in the Graph, scaled to the right axis. Table 4 displays the data used in Graph 7.

Graph 7 shows that Suez's projected total annual demand within its Planning Area is lower than the DCMI Report's and TV CAMP's forecasts for Ada County during the comparable time periods, which is not surprising because Suez's Planning Area does not include all of Ada County. As mentioned, the TV CAMP and DCMI Report do not include forecasts specific to Suez's Planning Area.

Graph 7 also shows that Suez's Peak Day forecast increases over time at rates consistent with increases in annual demand forecasted in the DCMI Report and TV CAMP. The DCMI Report and TV Camp did not produce peak day forecasts; however as can be seen the growth rates (slopes of the lines) are consistent among the projections. The DCMI Report's Ada County forecast and the TV CAMP's forecast for the City of Boise project water demand increasing at greater rates than Suez projects for its Planning Area. The DCMI Report's Ada and Canyon County forecast projects demand well above the other water demand projections, but at similar growth rates. The forecast for Ada and Canyon County was included to examine its relative slope compared to the other water demand projections.

Graph 7

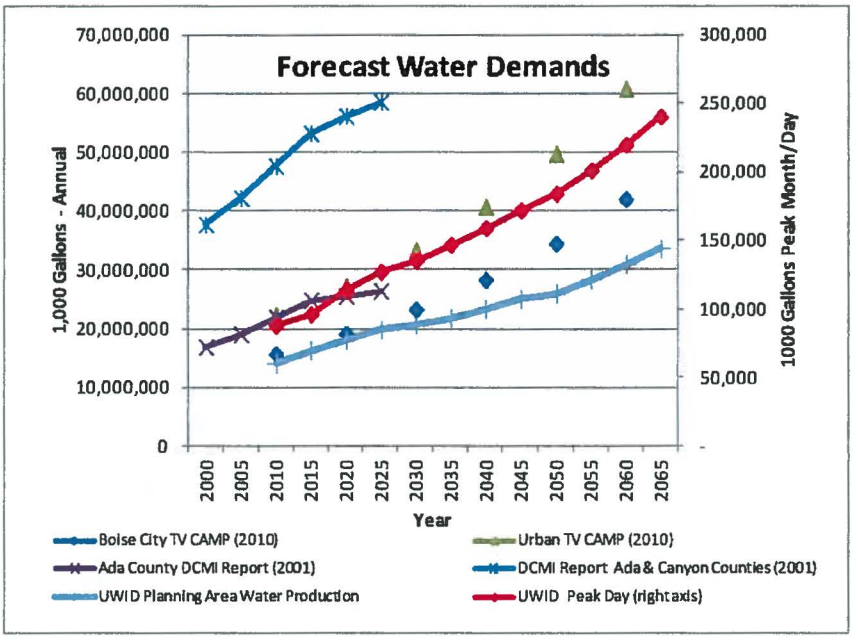


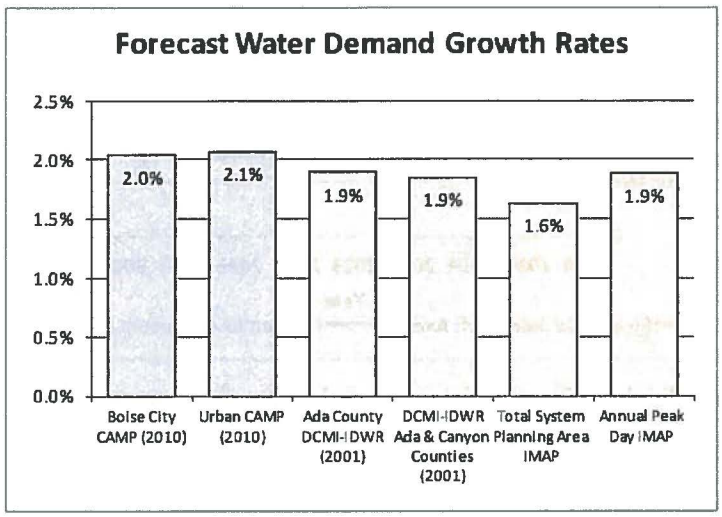
Table 4

WATER DEMANDS FORECASTS (1,000 Gallons)						
	TV CAMP		DCMI-IDWR Report		United Water 2014	
YEAR	Boise City (2010)	Urban (2010)	Ada County (2001)	Ada & Canyon Counties (2001)	Planning Area Water Production	Peak Day (right axis)
2000			16,745,000	37,622,000		
2005			18,880,000	42,137,000		
2010	15,558,034	22,232,746	21,796,000	47,557,000	13,993,944	87,311
2015			24,701,000	53,105,000	16,224,222	95,700
2020	18,965,122	27,181,755	25,436,000	56,061,000	18,040,720	112,989
2025			26,276,000	58,470,000	19,645,029	126,390
2030	23,118,406	33,232,790			20,643,032	134,645
2035					21,727,560	146,288
2040	28,181,137	40,632,192			23,275,274	158,384
2045					24,944,081	171,575
2050	34,352,736	49,679,743			25,804,561	183,582
2055					28,246,374	200,544
2060	41,875,635	60,743,328			30,816,293	219,318
2065					33,541,750	239,702

Graph 8 below depicts the annual compound growth rates for each individual forecast depicted in Graph 7. Table 4 shows that Suez's forecasted growth rate for total water demand in its Planning Area is lower than the forecasted growth rates for the City of Boise in the DCMI

Report and for Ada County and Ada and Canyon County in the TV CAMP. The Company's Peak Day growth rate is the same or lower than the DCMI-Report and TV CAMP.

Graph 8

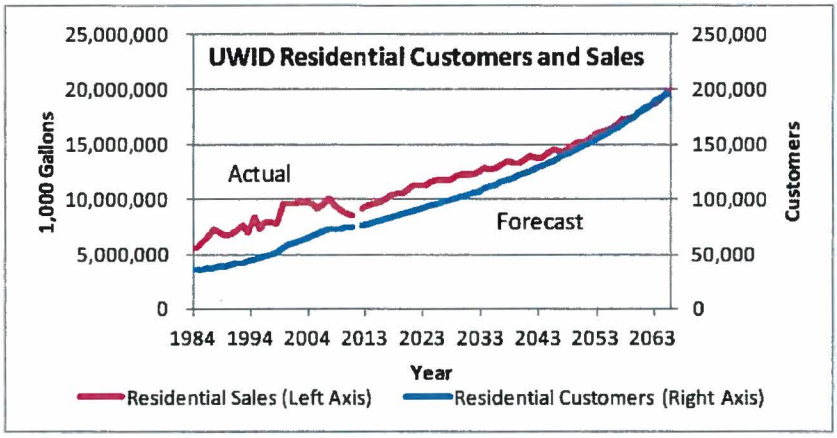


B. Consistency of Actual and Forecasted Customers, Sales, and Production

Another way to judge the reasonableness of Suez's water demand forecast is to compare the relationships between Suez's actual historical customer, sales, and production figures to the same relationships in the forecast. The following three graphs display those relationships for Suez over the past 25 years, and the forecasts through 2065. The relationships depicted are for the residential and commercial customer classes and for total system water demand.

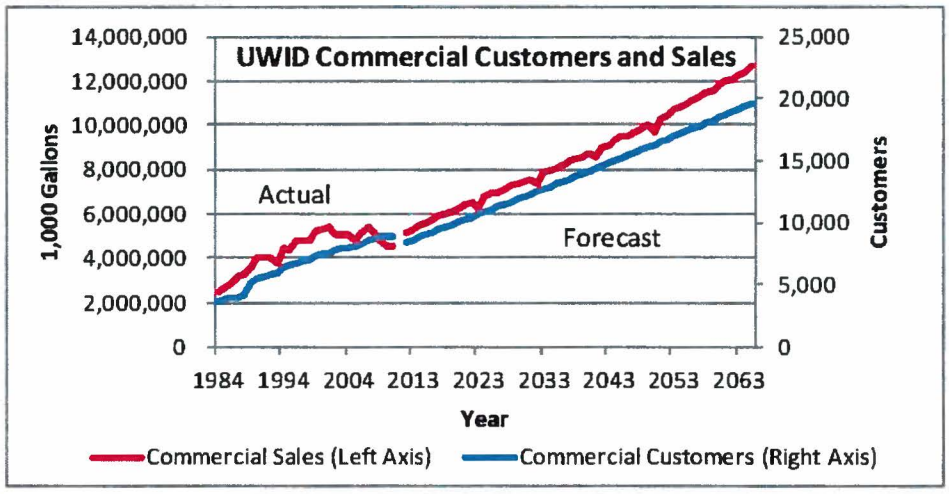
Graph 9 below displays Suez's historical and forecasted residential customers and sales. Suez's residential demand forecast indicates declining use per customer of 0.5% over the forecast period. The historical residential water sales data shows significant variability due primarily to varying weather conditions from year to year, whereas the forecast sales was weather normalized. The significant decline at the end of the actual period through 2011 was caused primarily by the Great Recession. The wavy forecast residential sales line is the result of a tiered rate methodology that assumes a water rate increase every four years and residential customers' reaction to the increasing price of water. Suez's forecast predicts residential customer growth at 1.9% annually and residential water demand growth at 1.5% over the 2012 to 2065 period, indicating decreasing use per customer.

Graph 9



Graph 10 below displays Suez's historical and forecasted commercial customers and sales. The relationship between historical and forecasted commercial customers and sales follows many of the same general patterns as the residential class, with the exception that commercial use per customer increases over the forecast period at an annual rate of 0.2% annually (instead of decreasing as with use per residential customer). This slow growth rate matches the moderate commercial use per customer annual growth for the ten years proceeding the great recession in 2007.

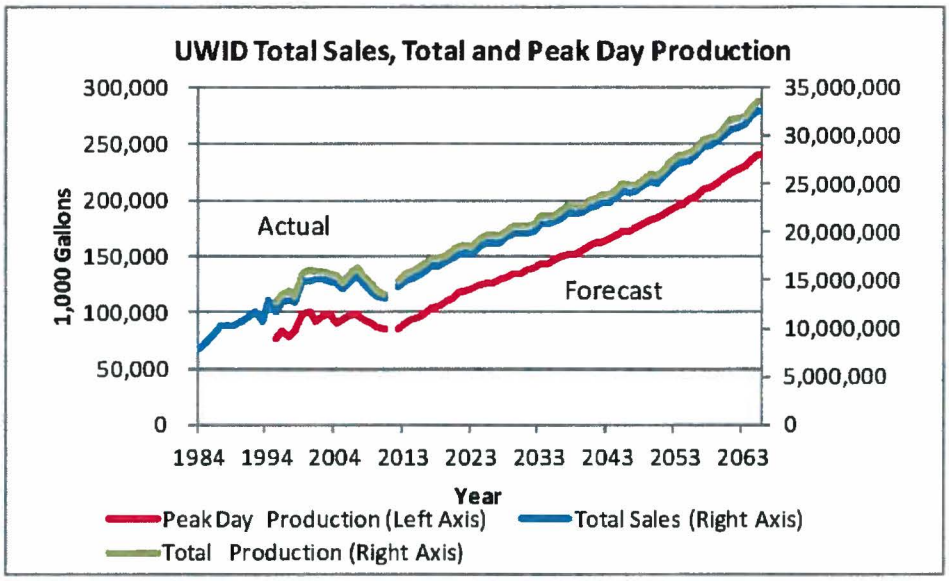
Graph 10



Finally, Graph 11 below displays Suez's historical and forecasted total sales, total production, and Peak Day production. As discussed in the peaking factor section above, Suez's Peak Day (i.e. MDD) forecast is assumed to be a constant 3.51% of the maximum monthly

average daily demand (what the RAFN Guidance calls "MMAD") in August. As can be seen in Graph 11, there is parallel relationship among total sales, total production, and Peak Day production over the forecast through 2065.

Graph 11



Conclusion

The analysis in this Report focuses on the reasonableness of the demographic and water use forecasts used in Suez's Master Water Plan that is used to support Suez's IMAP application. It is organized around the RAFN Guidance issued by the IDWR and compares the forecasts methodologies, standards, and benchmarks found in the Guidance with those used in the IMAP submission. In addition, the technical aspects of the methods used to produce Suez's forecasts were examined for their reasonableness.

The analysis finds Suez's population and water demand forecasts are reasonable when compared with those developed by TV CAMP, COMPASS, and the Department's DCMI Report. In order to check Suez's population projections, the Department's population forecasting tool was employed and all but one of the model forms (which did not produce a relevant result) produced higher forecasts of population.

In order to produce forecasts for population and households within Suez's Planning Area, TAZ's (Traffic Analysis Zones) supplied by COMPASS are used. TAZ's within the Planning Area were evaluated with respect to current level of development, potential for future development, and the presence of area that will likely not be developed. Several areas within the Planning Area were site inspected and 'ground truthed' to facilitate the judgment used to determine growth potential. Different growth assumptions could be made among the various TAZs, however Suez's population projections that resulted from these judgments are consistent with other contemporary forecasts and indicates, as a whole, the projections are reasonable.

Suez's residential and commercial customer forecasts and thus the water demand forecasts result from regression analyses based, respectively, on total forecasted Ada County population and non-agricultural employment. The TAZ analysis does not drive the residential or commercial customer forecasts or the demand forecasts and is used to corroborate the accuracy of the regression analyses.

The regression equations used to project the numbers of residential and commercial customers that make up 99% of Suez's total water sales are rationally formed and have robust statistical fits. The same is true for the regression equations used to forecast water use per residential and commercial customer.

The demographic and water demand forecasts developed for Suez over the next 50 years are complex and detailed. Varying assumptions can be made for individual parts of the forecasts, but this analysis found none that would be considered unreasonable. Taking into account the historical information, projections by others, and reasonable assumptions for future conditions, Suez's forecast as a whole over the 50-year Planning Horizon appears reasonable and compares well to other contemporary projections.

AFFIDAVIT OF DON C. READING

DON C. READING, being first duly sworn hereby states as follows:

1. Since 1989, I have been Vice President of Ben Johnson Associates, Inc. From 1986 to 1989, I served as a Consulting Economist at that firm.

2. From 1981 to 1986, I served as Economist / Director of Policy and Administration at the Idaho Public Utilities Commission.

3. From 1980 to 1981, I held the position of Associate Professor at the University of Hawaii – Hilo.

4. From 1970 to 1980, I held the position of Associate and Assistant Professor at the Idaho State University.

5. From 1968 to 1970, I held the position of Assistant Professor at Middle Tennessee State University.

6. My mailing address 6070 West Hill Road, Boise, Idaho 83703.

7. I hold a B.S. degree in economics from Utah State University, an M.S.in economics from the University of Oregon, and a Ph.D. in economics from Utah State University.

8. I have been retained by Suez Idaho Inc. and its predecessor, United Water Idaho Inc., (collectively "Suez") to evaluate the Reasonably Anticipated Future Needs forecast prepared by Mr. John Church which is set out in Suez's *Mater Water Plan for the Years 2015 to 2065* ("Church Forecast").

9. In the course of evaluating the Church Forecast, I was provided unrestricted access to multiple drafts versions and the final version of the forecast as well as the underlying data. On multiple occasions, I met with Mr. Church for extensive

discussions regarding the methodology and data he employed in developing the Church Forecast. As a result of those interactions, Mr. Church made certain technical changes in the Church Forecast.

10. The results of my evaluation are set out in the preceding document entitled *A Review of the Population and Water Demand Forecasts in Suez Idaho Inc.'s Master Water Plan (2015 – 2065)*. I am the author of that document.

DATED this 8th day of July, 2016.

Don C. Reading

SUBSCRIBED AND SWORN to before me this 8th day of July, 2016.

Notary Public of Idaho
Residing at: Boise Idaho
Commission Expires: 3-22-2019

LISA A. HUGHES NOTARY PUBLIC STATE OF IDAHO

Exhibit 6 RESUME OF DON C. READING

Don C. Reading

Present position

Vice President and Consulting Economist

Education

B.S., Economics C Utah State University
M.S., Economics C University of Oregon
Ph.D., Economics C Utah State University

Honors and awards

Omicron Delta Epsilon, NSF Fellowship

Professional and business history

Ben Johnson Associates, Inc.:
1989 ---- Vice President
1986 ---- Consulting Economist

Idaho Public Utilities Commission:
1981-86 Economist/Director of Policy and Administration

Teaching:
1980-81 Associate Professor, University of Hawaii-Hilo
1970-80 Associate and Assistant Professor, Idaho State University
1968-70 Assistant Professor, Middle Tennessee State University

Firm experience

Dr. Reading provides expert testimony concerning economic and regulatory issues. He has testified on more than 35 occasions before utility regulatory commissions in Alaska, California, Colorado, the District of Columbia, Hawaii, Idaho, Nevada, North Dakota, North Carolina, Oregon, Texas, Utah, Wyoming, and Washington.

Dr. Reading has more than 30 years experience in the field of economics. He has participated in the development of indices reflecting economic trends, GNP growth rates, foreign exchange markets, the money supply, stock market levels, and inflation. He has analyzed such public policy issues as the minimum wage, federal spending and taxation, and import/export balances. Dr. Reading is one of four economists providing yearly forecasts of statewide personal income to the State of Idaho for purposes of establishing state personal income tax rates.

In the field of telecommunications, Dr. Reading has provided expert testimony on the issues of marginal cost, price elasticity, and measured service. Dr. Reading prepared a state-specific study of the price elasticity of demand for local telephone service in Idaho and recently conducted research for, and directed the preparation of, a report to the Idaho legislature regarding the status of telecommunications competition in that state.

Dr. Reading's areas of expertise in the field of electric power include demand forecasting, long-range planning, price elasticity, marginal and average cost pricing, production-simulation modeling, and econometric modeling. Among his recent cases was an electric rate design analysis for the Industrial Customers of Idaho Power. Dr. Reading is currently a consultant to the Idaho Legislature=s Committee on Electric Restructuring.

Since 1999 Dr. Reading has been affiliated with the Climate Impact Group (CIG) at the University of Washington. His work with the CIG has involved an analysis of the impact of Global Warming on the hydo facilities on the Snake River. It also includes an investigation into water markets in the Northwest and Florida. In addition he has analyzed the economics of snowmaking for ski area's impacted by Global Warming.

Among Dr. Reading's recent projects are a FERC hydropower relicensing study (for the Skokomish Indian Tribe) and an analysis of Northern States Power's North Dakota rate design proposals affecting large industrial customers (for J.R. Simplot Company). Dr. Reading has also performed analysis for the Idaho Governor's Office of the impact on the Northwest Power Grid of various plans to increase salmon runs in the Columbia River Basin.

Dr. Reading has prepared econometric forecasts for the Southeast Idaho Council of Governments and the Revenue Projection Committee of the Idaho State Legislature. He has also been a member of several Northwest Power Planning Council Statistical Advisory Committees and was vice chairman of the Governor's Economic Research Council in Idaho

While at Idaho State University, Dr. Reading performed demographic studies using a cohort/survival model and several economic impact studies using input/output analysis. He has also provided expert testimony in cases concerning loss of income resulting from wrongful death, injury, or employment discrimination. He is currently a adjunct professor of economics at Boise State University (Idaho economic history, urban/regional economics and labor economic.)

Dr. Reading has recently completed a public interest water rights transfer case. He has also just completed an economic impact analysis of the 2001 salmon season in Idaho.

"Energizing Idaho", Idaho Issues Online, Boise State University, Fall 2006. www.boisestate.edu/history/issuesonline/fall2006_issues/index.html

Publications

The Economic Impact of the 2001 Salmon Season In Idaho, Idaho Fish and Wildlife Foundation, April 2003.

The Economic Impact of a Restored Salmon Fishery in Idaho, Idaho Fish and Wildlife Foundation, April, 1999.

The Economic Impact of Steelhead Fishing and the Return of Salmon Fishing in Idaho, Idaho Fish and Wildlife Foundation, September, 1997.

ACost Savings from Nuclear Resources Reform: An Econometric Model@ (with E. Ray Canterbery and Ben Johnson) *Southern Economic Journal*, Spring 1996.

A Visitor Analysis for a Birds of Prey Public Attraction, Peregrine Fund, Inc., November, 1988.

Investigation of a Capitalization Rate for Idaho Hydroelectric Projects, Idaho State Tax Commission, June, 1988.

"Post-PURPA Views," In Proceedings of the NARUC Biennial Regulatory Conference, 1983.

An Input-Output Analysis of the Impact from Proposed Mining in the Challis Area (with R. Davies). Public Policy Research Center, Idaho State University, February 1980.

Phosphate and Southeast: A Socio Economic Analysis (with J. Eyre, et al). Government Research Institute of Idaho State University and the Southeast Idaho Council of Governments, August 1975.

Estimating General Fund Revenues of the State of Idaho (with S. Ghazanfar and D. Holley). Center for Business and Economic Research, Boise State University, June 1975.

"A Note on the Distribution of Federal Expenditures: An Interstate Comparison, 1933-1939 and 1961-1965." In *The American Economist*, Vol. XVIII, No. 2 (Fall 1974), pp. 125-128.

"New Deal Activity and the States, 1933-1939." In *Journal of Economic History*, Vol. XXXIII, December 1973, pp. 792-810.

Exhibit 7 REPORT BY CHRISTIAN R. PETRICH

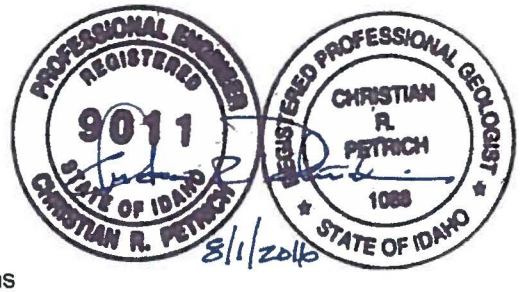
SPF WATER ENGINEERING

MEMORANDUM

DATE: August 1, 2016

TO: Christopher H. Meyer, Esq.
Givens Pursley, LLP

FROM: Christian R. Petrich, Ph.D., P.E., P.G.



RE: Suez Water Master Plan Demand Projections

Per your request, I have reviewed water-demand projections described in a draft version of the *Suez Master Water Plan for the Years 2015 to 2065* (dated January 29, 2016).[1] I also compared the Suez water-demand projections with new domestic, commercial, municipal, and industrial (DCMI) water-demand projections recently prepared for the Treasure Valley on behalf of the Idaho Water Resource Board (SPF, 2016).

The Suez forecast was made for the portion of the Treasure Valley that Suez anticipates serving during the next 50 years (see the "Suez Planning Area" in Figure 1). The SPF water-demand forecast projected DCMI use in the entire Treasure Valley, which is served by Suez and a number of other DCMI providers. Both the Suez and SPF forecasts were built on existing water-use data, although Suez relied on a more detailed and complete dataset of historical water use by customer class. The 50-year planning horizon (2015 to 2065) used in the Suez projections is the same as that used for the SPF Treasure Valley water-demand projections. Population projections used in the Suez and SPF Treasure Valley projections were extrapolated from the same Community Planning Association of Southwest Idaho (COMPASS) population projections. The same Transportation Analysis Zones (TAZs) developed by COMPASS (for transportation planning) were used in these forecasts for projecting population, households, and water demand.[2]

The Suez and SPF estimates of 2015 population and households and 2065 population and household projections are very similar (Table 1), which is not surprising because these

[1] I understand that portions of this plan have been revised since January 29, but that the projections have not materially changed.

[2] The portion of the Treasure Valley served by Suez was identified by TAZ based on a list provided by Suez.

300 E. Mallard Drive, Suite 350, Boise, Idaho 83706 Tel: 208-383-4140 Fax: 208-383-4156

estimates and projections were prepared by the same individual (John Church, Idaho Economics)[3] and based on the same COMPASS projections. Similarly, the 2015 SPF estimate of water use in the Suez service area (Table 3) is very similar to that which is presented in the Suez report (Suez provided DCMI water-use data to SPF for the Treasure Valley projections).

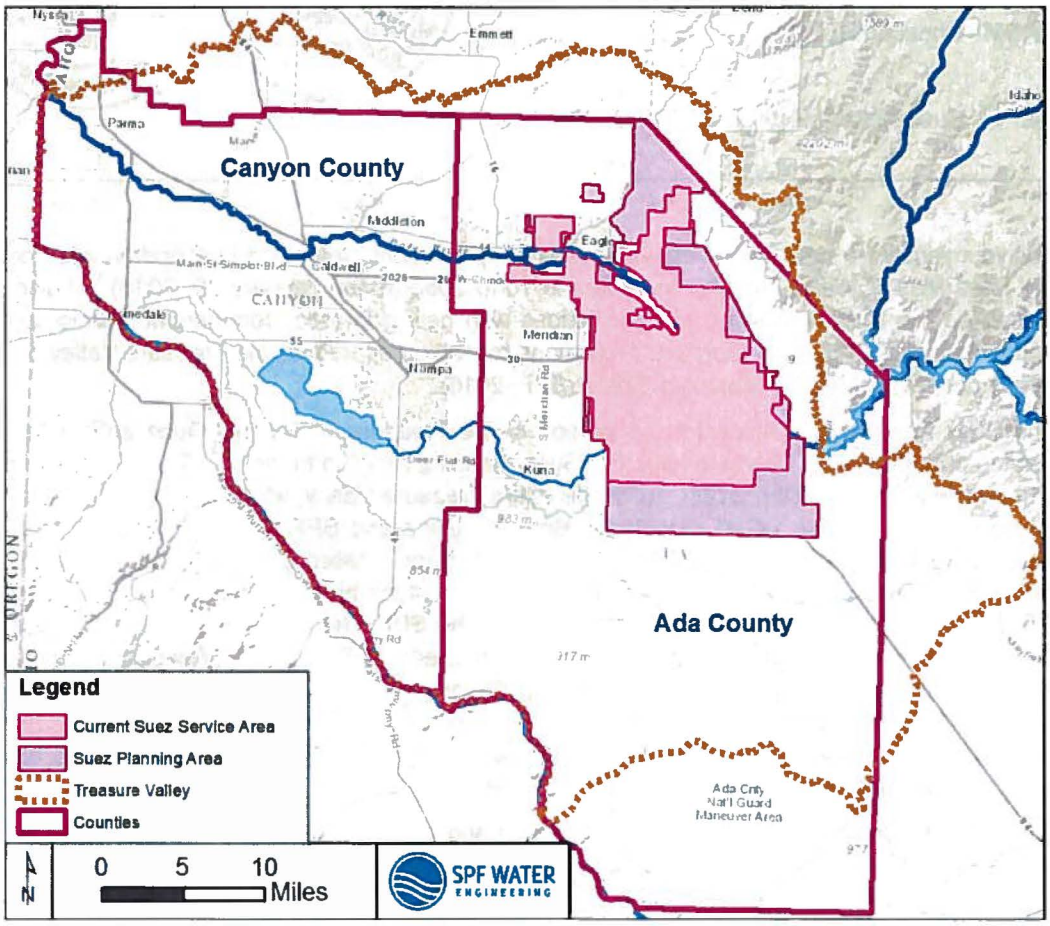


Figure 1. Current Suez service area and Treasure Valley DCMI projection area.

[3] The difference in 2015 households and projected 2065 households reflects refinements made for the SPF projections by Mr. Church after the Suez household projections had been completed.

Comparison of SPF and Suez Population Projections and Estimates of Current Use			
Parameter	**SPF**	**Suez**	**Suez Data Source**
2015 Suez population	248,400	247,300	App. A, pg. A-157
2015 Suez households	99,900	99,500	App. A, pg. A-157
2065 Suez population	499,700	499,700	App. A, pg. A-171
2065 Suez households	212,500	219,200	App. A, pg. A-171
2015 water use	48,700	49,800	App. A, pg. A-7 (16,224,222,000 gal)
All values are based on Suez Planning Area. All values are rounded.			

Table 1. Comparison of SPF and Suez Population Projections.

Despite commonality in underlying data, Suez and SPF used somewhat different approaches in projecting future water demand. The Suez water-demand projections were based on data describing the number of customers, detailed monthly water-use data, weather variables reflecting temperature and precipitation, the price of water, a downward-trending variable to reflect water conservation and related factors, and changes in customer profiles when Suez acquired the South County Water Company. SPF's Treasure Valley water-demand projections were based on estimates of existing production by primary Treasure Valley DCMI water purveyors (including Suez); population, household, and employment projections by TAZ; current valley-wide average per-capita indoor water-use rates; anticipated irrigation demand for new households; and assumptions regarding the amount of future DCMI irrigation that will be met by existing surface-water supplies. SPF prepared projections of future water demand for four water-demand scenarios, distinguished by differences in irrigation and water-conservation assumptions (Table 2).

Despite differences in methodology between the Suez and SPF forecasts, the water-demand projections are consistent. The Suez 2065 water-demand projection for the Suez service area (103,000 AF – see Table 3) is similar to SPF's Scenario 2 water-demand projection (106,000 AF). The SPF Scenario 1 DCMI water-demand projection (116,000 AF in 2065), for which no additional water conservation was assumed, is greater than the Suez 103,000-AF projection. The SPF Scenario 3 water-demand projection (86,000 AF in 2065) is less than the 103,000-AF Suez projection, but the SPF Scenario 3 is built on an assumed 30% reduction in domestic and irrigation water use by the year 2065. At this point there is no clear policy or economic basis that ensures that the conservation levels assumed in Scenario 3 will be achieved. SPF Scenario 4, which was built on the conservation assumptions in Scenario 2 but for which greater irrigation was assumed, resulted in a projected demand of

118,000 AF/year by the year 2065, which is substantially higher than the 103,000 AF/year Suez projection.

In my view, Scenario 2 (106,000 AF/year by the year 2065) is the most probable of the SPF scenarios given current water-use and urban-development trends. The Suez annual demand projection (103,000 AF/year by the year 2065) is similar to (but less than) SPF's Scenario 2 projection (106,000 AF/year by the year 2065).

The actual future water use will depend on the actual growth in population and households, future availability of groundwater and surface water, irrigation-season temperatures, water-use efficiency, the cost of water, and numerous other factors.

SPF Scenario Descriptions				
Scenario →	**1**	**2**	**3**	**4**
	Partial Irrigation (assume that either 75% of irrigable area is fully irrigated or 100% of irrigable land is irrigated with 75% of the water needed for fully-irrigated turf)			**Full Irrigation** (assume 100% of DCMI land is irrigated with 100% of the water needed for turf)
	No Conservation (Baseline)	**Moderate Conservation**	**More Aggressive Conservation**	**Moderate Conservation**
Primary Assumptions	No conservation	20% reduction in indoor use in new construction 10% reduction in outdoor use in existing and new construction	30% reduction in indoor use in existing and new construction 30% reduction in outdoor use in existing and new construction	Full water use (see text) 20% reduction in indoor use in new construction 10% reduction in outdoor use in existing and new construction

Table 2. SPF water-demand scenarios.

Comparison of SPF and Suez Water-Demand Projections			
Parameter	**SPF (AF)**	**Suez (AF)**	**Suez Data Source**
2015 water use	48,700	49,800	App. A, pg A-7 (16,224,222,000 gal)
2065 water-demand projection SPF Scenario 1	116,000	103,000	App. A, pg. A-8 (33,541,750,000 gal)
2065 water-demand projection SPF Scenario 2	106,000		
2065 water-demand projection SPF Scenario 3	86,000		
2065 water-demand projection SPF Scenario 4	118,000		
All values are based on Suez Planning Area. All values are rounded.			

Table 3. Comparison of SPF and Suez Projections.

Reference

SPF, 2016. Treasure Valley DCMI Water-Demand Projections (2015-2065), consulting report prepared for the Idaho Water Resource Board and the Idaho Department of Water Resources by SPF Water Engineering, LLC (final draft dated June 2016).

Exhibit 8 RESUME OF CHRISTIAN R. PETRICH

Principal Engineer
Hydrologist

Christian R. Petrich, Ph.D., P.E., P.G.

Education

Ph.D., Geology
University of Idaho

M.S., Civil Engineering
Washington State University

B.S., Resource Conservation
University of Montana

Professional Certifications

Professional Engineer
Idaho No. 9011

Professional Geologist
Idaho No. 1088

Certified Water Rights Examiner
Idaho No. 7-132

Areas of Expertise

- Aquifer characterization
- Ground water monitoring
- Ground and surface water interaction
- Idaho water rights
- Simulation of ground water flow
- Geothermal analysis and simulation
- Expert witness services
- Teaching and instruction

Experience Summary

Dr. Petrich has over 29 years of progressive academic, professional, and managerial experience in hydrology and water resource engineering. He has particular expertise in characterizing regional ground water flow systems (including groundwater and surface water interaction), development and calibration of numerical groundwater flow models, analysis of geothermal systems, analysis of water rights, and solving water problems through facilitation and mediation.

SPF Water Engineering, LLC – 2004 to Present

Dr. Petrich is currently a Principal Engineer/Hydrologist with (and co-founder of) SPF Water Engineering, LLC (SPF). Representative project experience includes the following:

- Idaho Water Resource Board – Prepare projections of future water demand in Ada County, Canyon County, and the Mountain Home Plateau portion of Elmore County (2015).
- Coalition of Cities (Bliss, Burley, Carey, Declo, Dietrich, Gooding, Hazelton, Heybum, Jerome, Paul, Richfield, Rupert, Shoshone, and Wendell) – Technical support for Surface Water Coalition delivery call (2015).
- Coalition of Cities (Bliss, Burley, Carey, Declo, Dietrich, Gooding, Hazelton, Heybum, Jerome, Paul, Richfield, Rupert, Shoshone, and Wendell) – Water right review, quantification of consumptive use, development of mitigation plan in response to the Rangen delivery call (2014).
- Idaho Office of the Attorney General/Idaho Dept. of Lands – Technical support for litigation related to Payette River island ownership matters (2014).
- SunRidge Dairy LLC – Technical support in resolution of multiple permit and transfer protests by the Boise Project Board of Control (2014).
- Sun Valley Company – Development of mitigation strategy; representation on Big Wood River Modeling Committee (2013 to present).
- Idaho Office of the Attorney General – Technical support for matters related to Snake River flow measurement above and below Swan Falls Dam (2011 to present).
- Farm Development Corporation - Analysis of water supply for large groundwater applications; respond to IDWR questions, prepare mitigation plan (2013-present).

- Pioneer Irrigation District (Moffatt Thomas Barrett Rock & Fields, Chtd.) – Technical support and expert witness services for Pioneer Irrigation District vs. City of Caldwell, Canyon Co. Case No. CV 08-556-C (2009-2014).
- City of Moscow/TerraGraphics Engineering – Identification and analysis of surface-water storage (e.g. reservoir) and supply alternatives, including Aquifer Storage and Recovery (ASR) potential; projection of regional water demand (2010 -2013).
- City of Hailey – Update of potential mitigation options in anticipation of conjunctive administration, Council presentation (2013).
- U.S. National Park Service – Well construction oversight, Crater Lake National Park (2013).
- City of Middleton – Preliminary ground water supply assessment (2013).
- Office of the Attorney General – Compilation and analysis of Eastern Snake River Plain "trust area" water rights related to Swan Falls Settlement litigation, ongoing technical support (2008-2013).
- SunRidge Dairy LLC - Water supply investigation for water right application in southern Canyon County, multiple transfers and applications (2012 -2013).
- Nevid LLC and ARK Properties LLC – Technical support related to water supply and water availability for consolidated water-right cases in western Ada County and eastern Elmore County (2012-2013).
- Boise Project Board of Control – Review of USBR investigation into conditions leading to flooding in Minuteman Way area (2011-2013).
- Moore & Elia, LLP/Idaho Counties Risk Management Program (ICRMP) – Technical support on behalf of defendant (Boise Project Board of Control) in Robert and Meredith Allis vs. Boise Project Board of Control and DOES I-X, Ada County Case No. CV OC 102-1285 (2010-2013).
- Kirkwood Bank & Trust Company – Water supply analysis in support of water-right application, resolution of application protests (2011-2013).
- Jackson Law Office/Saetrum Law Office – Technical support on behalf of defendant in Maybon vs. Aviles, Owyhee County Case No. CV-10-01477M (2011-2012).
- John Marshall Law PLLC – Water supply assessment for Farm Development Corporation, Allen Noble Farms, and A-D Cattle Company lands in Canyon County, Idaho (2011).
- Dennis Rider – Analysis of available water supply in support of water-right applications in western Elmore County (2011)
- Idaho Department of Fish and Game - Analysis of hydrologic implications associated with a proposed point of diversion change under water right 72-4077 (2011).
- Portneuf Watershed Users Association (Moffatt Thomas Barrett Rock & Fields, Chtd.) – Technical support in the matter of protest to Transfer 76779 (2011).
- US Department of Veteran Affairs – Analysis of geothermal water availability for Fort Harrison facility (Helena, Montana); preparation of final report summarizing well construction and testing (2010-2011).
- Barker Rosholt & Simpson – Analysis of Tenmile Creek hydrology for defendant in United States of America vs. Rodriguez, CR-09-279-S-BLW (2011).

- Tyson Fresh Meats, Inc. – Analysis of existing water rights, historical water use, and water-level trends; provide technical support in the matter of Application for Permit 63-12546 (2010-2012).
- Nevid, LLC – Design and testing of 1,000-foot test well; design and testing of 1,100-foot public water system production well (2010-2011).
- Sands, LLC – Technical support and expert testimony on behalf of plaintiff in Sands LLC vs. Timothy and Jennifer Swenson, Boise County Case No. CV 2008-255 (2010).
- ENERCON Services, Inc. – Water availability analysis for the Idaho Energy Complex Payette County site (2010).
- Idaho Water Resource Board – 50-year water demand projections for the Rathdrum Prairie aquifer area (prepared as part of Comprehensive Aquifer Management Plan); included analysis of potential climate variability impacts and alternative conservation measures (2009-2010).
- Nevid, LLC – Technical support and expert testimony in the matter of Application for Permit 61-12090 before the Department of Water Resources (2009).
- Double C Farms (Givens Pursley LLP) – Technical support for federal sentencing hearing, which included evaluation of groundwater conditions in the Oakley Fan and Burley area, United States of America vs. Cory Ledeal King, CR No. 08-002-E-BLW (2009).
- Hepworth, Lezamiz, and Janis – Technical support (including the analysis of local aquifer conditions in a portion of the Twin Falls area) on behalf of plaintiff in Bastians vs. Twin Falls Canal Company, Twin Falls Case No. CV-07-3632 (2008).
- Idaho Ground Water Appropriators – Litigation support and expert testimony in A&B Delivery Call; included analysis of aquifer conditions in the A&B service area of the Eastern Snake River Plain near Rupert, Idaho (2007-2009).
- MidAmerican Energy Company/ENERCON Services, Inc. – Analysis of Snake and Payette river water availability for a proposed Pearl power facility in Payette County (2007-2008).
- Elmore-Ada Water Project – Analysis of Snake River water availability, regional aquifer characteristics, and water availability in a bi-county area; development of Aquifer Storage and Recovery (ASR) strategy; and analysis of multiple water supply alternatives (2007-2008).
- City of Bellevue – Technical support related to water rights, potential annexation, and conjunctive administration (2007-2011).
- Eaglefield, LLC – Review of City of Eagle 9-day pumping test; technical support and testimony on behalf of Eaglefield, LLC and the City of Eagle in the matter of Applications for Permit 63-32089 and 63-32090 before the Idaho Department of Water Resources (2007).
- Idaho Ground Water Appropriators – Technical support for "Surface Coalition" Delivery Call, including mapping and evaluation of urban irrigated areas (2006-2007).
- Micron Technology, Inc. – Analysis and simulation (using MODFLOW) of diversion rates and groundwater levels in the Southeast Boise Ground Water Management Area to evaluate effects of water injection and pumping (2006-2007).
- US Geothermal, Inc./Raft River Energy LLC – Simulation of groundwater flow and transport for the Raft River Geothermal Power Project (2006).

- City of Marsing, Idaho – Groundwater supply assessment (2006).
- JRG Partners (Givens Pursley LLP) – Technical support in the matter of Application for Transfer 71076 in Teton County (2006).
- United Water Idaho – Comprehensive water supply assessment for public water system with 87 high-capacity wells (2004-2005).
- SunCor Idaho, LLC – Hydrogeologic characterization, well testing, technical support, and expert testimony in the matter of Application for Permit 63-32061 before the Idaho Department of Water Resources (2005-2006).
- McCain Foods USA – Water supply assessment for a 4 MGD potato processing facility in Eastern Snake River Plain area (2004-2005).

Idaho Water Resources Research Institute –1996 to 2004

- Principal Investigator of the Treasure Valley Hydrologic Project, an 8-year regional groundwater study to characterize regional flow characteristics, develop a numerical flow model (MODFLOW), and evaluate the effects of regional groundwater pumping (under contract with the Idaho Department of Water Resources, 1996-2004).
- Assessment and simulation of hydrologic conditions in the Boise Front geothermal aquifer – conducted a hydrogeologic investigation of the Boise Front geothermal aquifer and oversaw the development of a numerical model to simulate temperature and flow; study was used to resolve technical issues in water right litigation (under contract with the City of Boise and National Renewable Energy Laboratory, 2002-2004).

University of Idaho – 1989 to 1996

- Taught or co-taught the following graduate-level courses: Computer Geology (1989), Computer Applications (i.e., modeling) in Hydrology (1989, 1991), and Contaminant Hydrogeology (1990, 1992, 1995).
- Conducted doctoral research in the transport of conservative ions (e.g., bromide) and particle tracers (2-, 5-, and 15-μ polystyrene microspheres and agarose-encapsulated flavobacterium) in a shallow, unconsolidated aquifer.
- Subsurface transport research between 1995 and 1996 as a Postdoctoral Fellow with the Institute for Molecular and Agricultural Genetic Engineering.

Miscellaneous Experience, 1986 to 1995

- Pullman-Moscow Water Resources Committee, Executive Secretary – guided committee-funded research, organized and maintained a groundwater withdrawal and water level database, began development of a water conservation program (part-time, 1994-1996).
- TerraGraphics Environmental Engineering, Moscow Idaho – hydrogeologic evaluations, numerical model reviews, reviews of proposed Bunker Hill (Idaho) superfund site remedial designs, and development of present-value cost estimates for operations and maintenance tasks associated with remedial designs (part-time, 1993-1995).
- Independent consulting – well location and design consultations (various clients), well interference investigations (State of Idaho Risk Management Bureau), short course presentations on wellhead protection (Idaho Water Resources Institute, Idaho Department of Environmental Quality) numerical modeling (University of Idaho Irrigation Systems Management Program), numerical modeling (private clients) (part-time, 1989-1996).
- Engineering-Science, Inc., Cleveland, Ohio – site characterization, well design, sampling and analysis, environmental impact mitigation, and recovery system design and installation at bulk and retail petroleum storage facilities (9 months, 1986-1987).

Recent Public Domain Publications, Presentations, and Short Courses

McHugh, C., C. Bromley, C. Petrich, and S. King. Northern Idaho Adjudication Workshop. Presented through the Association of Idaho Cities, April 4, 2014.

Petrich, C., T. Scanlan, and S. King. Hydrology for Attorneys. Short course presented through the Idaho State Bar, November 15, 2013.

Petrich, C. Municipal Water Issues Panel Discussion. Association of Idaho Cities, June 19, 2013.

Petrich, C. Planning for a Future Water Supply. BSU Water Works Panel Discussion, April 26, 2013.

Petrich C. Treasure Valley Hydrology. BSU Hydrogeology class (J. McNamara, instructor). March 21, 2013.

Petrich, C. 2012. Agricultural and Residential Irrigation Water Needs: Fact and Fiction. Summer Water Law and Resource Issues Seminar, Idaho Water Users Association, Sun Valley, Idaho.

Petrich, C. (moderator), C. Meyer, G. Baxter, and J. Fereday, 2012. Water Planning for Cities – News You Can Use! Association of Idaho Cities Annual Conference, Boise, Idaho.

Petrich, C. 2011. Long-Range Water Demand Forecasting. University of Idaho Water Resource Seminar, Boise, Idaho.

Petrich, C. 2011. Projecting Long-Term Water Demand. Law Seminars International, Boise, Idaho.

Petrich C. (moderator), C. Meyer, T. Barry, M. Fuss, P. Klatt, F. Haemmerle, 2011. Conjunctive Management – Implications for Municipal Water Supplies. Association of Idaho Cities Annual Conference, Boise, Idaho.

Petrich, C. 2010. Treasure Valley Hydrology. Presentation to Treasure Valley Comprehensive Aquifer Management Plan (CAMP) Advisory Committee.

Petrich, C. 2010. Rathdrum Prairie Future Water Demand Projections. Spokane River Forum, March 22, 2010.

Petrich, C. 2010. Panel discussion on water supply issues. Urban Land Institute, Coeur d'Alene, Idaho, June 2010.

Petrich, C. 2010. Panel discussion on water supply issues. Urban Land Institute, Boise, Idaho, June 2010.

Petrich, C. 2010. Treasure Valley Water Supply Choices and Trade-offs. Idaho Environmental Forum, August 11, 2010.

Cooper, C. and C. Petrich. 2010. Water System Planning and Optimization. Association of Idaho Cities, Idaho Falls, Idaho.

McHugh, C. and C. Petrich. 2009. Can Water Delivery Calls Lead to Curtailment of Municipal Pumping? Association of Idaho Cities, June 19, 2009.

Exhibit 9 REPORT OF PHILLIP J. RASSIER AND EXPLANATORY EMAIL

Idaho Water Engineering
Water Solutions

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MEMORANDUM

TO: Christopher H. Meyer, Givens Pursley, LLC

FROM: Phillip J. Rassier, J.D., Idaho Water Engineering, LLC

RE: Authority of IDWR to Impose a Reopener Condition on a RAFN Water Right

DATE: June 5, 2015

I am pleased to have the opportunity to present this memorandum addressing the authority of the Director of the Idaho Department of Water Resources ("Department" or "IDWR") regarding the establishment of long-term planning horizons under the 1996 Municipal Water Rights Act ("1996 Act"). You have requested the memorandum in your capacity as attorney with Givens Pursley LLC representing United Water Idaho.

Background

You related that, from time to time, you have engaged in conversations with Department counsel and staff on the subject of long-term planning horizons for reasonably anticipated future needs ("RAFN") municipal water rights under the 1996 Act. The discussions focused on the reliability and utility of any long-term forecasts of water demand for municipal providers, particularly those over 30 years. You reportedly urged in the conversations that IDWR should embrace long-term (i.e., 50-year) planning horizons, at least for those municipal providers that can document significant growth patterns. To address the concern over forecast reliability, you suggested use of a reopener condition that would allow a revisiting of the forecasts every decade or two with the municipal provider being required to relinquish a portion of its RAFN water right portfolio if no longer required for projected needs. The Department indicated that it could not require partial relinquishment of the RAFN water rights as suggested because once a license is issued the water right is inviolate (absent forfeiture). In other words, the Department's view is that once it approves a RAFN water right, the right is protected from forfeiture for the life of the planning horizon and cannot be diminished even if it becomes evident after 20 or 30 years that the full amount of water is not required to meet future needs.

Questions Addressed

Reflecting your conversations with representatives of the Department, you presented Question No. 1 for my consideration, and subsequently directed my consideration of Question No. 2:

1. Would including a reopener condition on a municipal RAFN water right for the purpose of potentially reducing the quantity element of the right, to the extent it was

no longer needed to satisfy reasonably anticipated future needs, fall within the discretionary authority of the Director of IDWR?

Short Answer: No.

2. Would including a reopener condition on a municipal RAFN water right for the purpose of reviewing and potentially extending or reducing the length of the planning horizon associated with the right, based on change in the reasonably anticipated future needs of the municipal provider, fall within the discretionary authority of the Director of IDWR?

Short Answer: Yes.

Analysis for Question No. 1

Question No. 1 asks whether including a reopener condition on a municipal RAFN water right for the purpose of potentially reducing the quantity element of the right, to the extent it is no longer needed to satisfy reasonably anticipated future needs, would fall within the discretionary authority of the Director of IDWR? The analysis for Question No. 1 begins with recognition that the Department's authority to impose conditions on water rights is limited to those authorities provided through statute, or agency rules duly promulgated pursuant to statutory authority. Vested water rights constitute real property rights under Idaho law and therefore are not subject to diminishment except as specifically authorized in accordance with law. *See* Idaho Code § 55-101. Having taken note of these well-established legal principles, it is further recognized that in some instances an administrative agency is allowed to address difficult or unforeseen circumstances–usually through an exercise of discretion by the agency head subject to judicial review under an abuse of discretion standard. *See e.g., American Falls Reservoir Dist. No. 2 v. Idaho Dept. of Water Resources*, 143 Idaho 862, 880, 154 P.3d 433, 451 (2007) ("Somewhere between the absolute right to use a decreed water right and an obligation not to waste it and to protect the public's interest in this valuable commodity, lies an area for the exercise of discretion by the Director.").

The question here posed is whether including a reopener condition on a municipal RAFN water right for "reasonably anticipated future needs," would likely be construed to fall within the discretionary authority of the Director of IDWR. RAFN is defined by statute as follows:

> (8) "Reasonably anticipated future needs" refers to future uses of water by a municipal provider for municipal purposes within a service area which, on the basis of population and other planning data, are reasonably expected to be required within the planning horizon of each municipality within the service area not inconsistent with comprehensive land use plans approved by each municipality. Reasonably anticipated future needs shall not include uses of water within areas overlapped by conflicting comprehensive land use plans.

Idaho Code § 42-202B(8).

Once established, Idaho law provides that a RAFN water right shall not be lost or forfeited for nonuse unless the planning horizon specified for the right has expired and the water is no longer needed for reasonably anticipated future needs:

> (2) A water right held by a municipal provider to meet reasonably anticipated future needs shall be deemed to constitute beneficial use, and such rights shall not be lost or forfeited for nonuse unless the planning horizon specified in the license has expired and the quantity of water authorized for use under the license is no longer needed to meet reasonably anticipated future needs.

Idaho Code § 42-223(2).

RAFN water rights may be established either through the modification of existing rights or through the approval of new rights by the Director of IDWR. With respect to modification of existing rights, the transfer statute, Idaho Code § 42-222(1), provides the Director with authority to "approve the change in whole, or in part, or upon conditions" without supplying guidance as to the acceptable nature of the conditions. In contrast, the licensing statute for municipal RAFN rights, Idaho Code § 42-219(1), provides the Director "shall condition the license to prohibit any transfer of the place of use outside the service area ... or to a new nature of use of amounts held for reasonably anticipated future needs **together with such other conditions as the director may deem appropriate.**" (Emphasis added). When RAFN rights are approved by the Director through modification of existing rights under the transfer statute it is presumed that the Director must impose the mandatory conditions required under the RAFN licensing statute, Idaho Code § 42-219(1), and that the Director is likewise authorized to add "such other conditions as the director may deem appropriate." *See Hardy v. Higginson*, 123 Idaho 485, 489, 849 P.2d 946, 950 (1993) (holding "local public interest standard" applied to applications to appropriate water by I.C. § 42-203A also applicable to applications to amend a water right permit under I.C. § 42-211although not mentioned in that statute).

The two mandated conditions under Idaho Code § 42-219(1) which prohibit changing the place of use or nature of use of RAFN rights withhold valuable attributes which otherwise would be contained in the "bundle of sticks" comprising the real property interests represented by the vested water rights. Significantly, the Idaho Legislature took the further step of providing that additional limitations or prohibitions may be placed upon RAFN water rights under "such other conditions as the director may deem appropriate" without restricting the nature or scope of the additional conditions. The imposition of any additional conditions on a RAFN water right "as deemed appropriate" by the Director would be subject to judicial review for a determination of whether the Director properly exercised the discretion authorized by the statute.

A potential issue raised for a reviewing court could be whether the Legislature in authorizing the Director to impose "such other conditions as the director may deem appropriate" could reasonably be construed to provide the Director with discretionary authority to include a reopener condition on a RAFN water right that would allow the Director to revisit the right's quantity element setting the amount of water authorized to be put to actual use within the right's approved planning horizon. The call of Idaho appropriation law for optimum development and use of the state's water resources would be an appropriate rationale supporting use of such a reopener condition. "Why," one might ask, "if it turns out the municipal provider no longer needs all of the water available under the RAFN right, should it be able to retain the full right?"

Such a reopener condition would potentially affect the real property interests represented by the water right. The effect of the condition could be viewed as similar in nature to the conditions mandated by the Legislature under Idaho Code § 42-219(1) to prohibit transfers in place or nature of use and thus coming within the discretionary authority of the Director to

impose additional conditions as deemed appropriate. The view of IDWR staff that once licensed a water right is real property that cannot be altered by the Department in the absence of abandonment or forfeiture by the right holder is generally correct. The principle is germane to the extent a proposed alteration is inconsistent with the elements of the right as construed in the light of existing law and the conditions upon which the right was issued. Pertinent examples helping to make this point include hydropower rights reduced to benefit junior rights based upon a subordination condition; recharge rights curtailed at director discretion regardless of water availability based on statute; trust water rights issued subject to reduction or termination based upon a term reopener condition; and finally, the potential reduction in right of diversion under all rights established under the prior appropriation doctrine based upon director determination of waste, lack of need, or lack of beneficial use.

The issue becomes then, what provision of existing law, if any, might reasonably be construed to otherwise prohibit the Director from imposing the suggested reopener condition on a RAFN water right? A close reading of Idaho Code § 42-223(2) is supportive of the Department's position that once it issues a RAFN water right it cannot thereafter diminish the right during the term of the planning horizon even if it becomes evident that the full quantity of water authorized is not required. The language of the statute providing that a RAFN water right "shall not be lost or forfeited for nonuse unless the planning horizon specified in the license has expired" may readily be construed to preclude the Director from imposing a licensing condition that would potentially lead to a contrary result. If the statutory language used the wording "lost by forfeiture" or simply "forfeited" perhaps diminishment through operation of a reopener condition would not be precluded. However, the use of the words "lost or forfeited" appears to broaden the net sufficiently to encompass other avenues under which the state could determine a RAFN water right to be lost or diminished for nonuse.

My reading of Idaho Code § 42-223(2) is that "nonuse" of the water by the RAFN right holder is not a factor, at least as long as the term of the established planning horizon has not expired. The statute provides, "A water right held by a municipal provider to meet reasonably anticipated future needs shall be deemed to constitute beneficial use." Therefore, as long as the planning horizon for the RAFN right has not expired, the full quantity of water licensed under the right must be considered beneficially used and any determination of loss or forfeiture by the Director based either on "nonuse" or "no longer being required" is prohibited.

One could assert that if the total licensed quantity under the right is no longer necessary "to meet reasonably anticipated future needs" then the Director should be free to reduce the licensed quantity accordingly because (1) beneficial use no longer exists for the unneeded portion of the right, and (2) this unused quantity "is no longer needed to meet reasonably anticipated future needs." However, the wording of the statute does not allow for this outcome. The statute imposes a two-step standard. The second step of the standard may well be satisfied due to the absence of need for the water, but the first step of the standard is not satisfied until the full term of the planning horizon has transpired.

Would it make a difference if the right holder agreed to placement of the condition on the right? No, although arguably the issue might not then come before a court for review. However, it would not remove the limitation on the Director's authority to use a reopener condition to enable the Department to do that which the Legislature has said cannot be done.

My conclusion with respect to Question No. 1 is that the provisions of Idaho Code § 42-223(2) protecting a RAFN water right from being "lost or forfeited for nonuse unless the

planning horizon specified in the license has expired" prevents the Director from including a reopener condition on a municipal RAFN water right for the purpose of potentially reducing the quantity element of the right, to the extent it is no longer needed to satisfy reasonably anticipated future needs.

Analysis for Question No. 2

Question No. 2 asks whether including a reopener condition on a municipal RAFN water right for the purpose of reviewing and potentially extending or reducing the length of the planning horizon associated with the right, based on change in the reasonably anticipated future needs of the municipal provider, would fall within the discretionary authority of the Director of IDWR?

The question is important given the need and desire of municipal providers to seek the security of long-term RAFN rights with planning horizons of up to 50 years. The need and desire for this security by municipal providers must be balanced against the duty of the Director to identify a planning horizon, or period of years, for which it is "reasonable for a municipal provider to hold water rights to meet reasonably anticipated future needs." Idaho Code § 42-202B(7). "The length of the planning horizon may vary according to the needs of the particular municipal provider." *Id.*

The statutory provisions governing the Director's authority to condition a municipal RAFN water right reviewed under Question No. 1 are also applicable to the analysis of Question No. 2. The conclusion reached in response to Question No. 1 is that the protection from loss or forfeiture language in Idaho Code § 42-223(2) serves to prevent the Director from being able to diminish the quantity element of a RAFN water right during the unexpired term of the approved planning horizon for the right. By contrast, Question No. 2 inquires whether the Director is authorized to condition a municipal RAFN right to allow the Director to subsequently reduce or expand the planning horizon itself in response to a change in the reasonably anticipated future water needs of the municipal provider following the issuance of the water right license. The term "planning horizon" is defined as follows by the 1996 Act:

> (7) "Planning horizon" refers to the length of time that the department determines is reasonable for a municipal provider to hold water rights to meet reasonably anticipated future needs. The length of the planning horizon may vary according to the needs of the particular municipal provider.

Idaho Code § 42-202B(7).

As concluded under Question No. 1, the length of an unexpired planning horizon term determines when the Director is able to act to free up unused and unneeded RAFN water rights for other uses consistent with the optimum development and use of the state's water resources. Question No. 2 shifts the focus of the analysis from reducing the quantity element of the right to modifying the length of the planning horizon "according to the needs of the particular municipal provider" as directed by Idaho Code § 42-202B(7).

The prohibitions against loss or forfeiture of a RAFN water right contained in Idaho Code § 42-223(2) do not prevent the Director from exercising his authority under Idaho Code § 42-219(1) to conditionally approve the length of the planning horizon for a RAFN water right. The

condition could provide the Director with the flexibility to periodically review and adjust the planning horizon in accordance with the changing needs of the municipal provider. For example, the condition could set a 50-year planning horizon with authorization for the Director to review the planning horizon at established intervals thereafter. The condition could allow the Director to either extend or reduce the planning horizon as determined appropriate in accordance with the changing needs of the municipal provider. This type of reopener condition on a RAFN water right could both satisfy the security needs of the municipal provider and fulfill the duty of the Director to identity a planning horizon for which it is "reasonable for a municipal provider to hold water rights to meet reasonably anticipated future needs" consistent with the provisions of Idaho Code § 42-219(1) and § 42-202B(7).

If during review of a planning horizon, the Director determines that not all water available under the RAFN water right is necessary to meet reasonably anticipated future needs, the Director could either extend the term of the planning horizon, or reduce the length of the planning horizon with the intent of allowing it to expire. Upon expiration of the planning horizon, the municipal provider would still have protection under section 42-223(2) as to all water needed to satisfy reasonably anticipated future needs, but the rest would be subject to forfeiture. A factor not addressed in the statute is the time period for determining reasonably anticipated future needs once a planning horizon set by the Director has expired. This uncertainty would be best addressed by the Director at the time of licensing or at the resetting of an appropriate planning horizon through an exercise of authority retained in a reopener condition. Following expiration of the planning horizon for a RAFN water right, the Director could proceed to determine the portion of the right not needed to meet the reasonably anticipated future needs of the municipal provider and determine that portion of the right lost through statutory forfeiture in accordance with the provisions of Idaho Code § 42-222 and § 42-223(2).

With respect to Question No. 2, it is my conclusion that adding a reopener condition to a municipal RAFN water right for the purpose of reviewing and potentially extending or reducing the length of the planning horizon associated with the right, based on change in the reasonably anticipated future needs of the municipal provider, would fall within the discretionary authority of the Director of IDWR. The proposed reopener condition would serve as an appropriate vehicle to provide the Director with the flexibility to periodically review and adjust the planning horizon in accordance with the changing needs of the municipal provider in a manner consistent with the legislative directive contained in Idaho Code § 42-202B(7) and without violating the prohibitions contained in Idaho Code § 42-223(2) because any downward adjustment of the quantity element would occur after the planning horizon has expired.

Respectfully Submitted,

Phillip J. Rassier

Phillip J. Rassier

Christopher H Meyer

From: Phil Rassier <PJEM76@msn.com>
Sent: Tuesday, April 11, 2017 9:14 AM
To: Christopher H Meyer
Subject: Re: Clarification question regarding Rassier Memo on RAFN reopener [IWOV-GPDMS.FID508386]

Chris,

Thank you for your email. It's nice to hear from you. Edith and I are both doing fine. We have been having some beautiful spring weather and are enjoying occasional drives through the countryside allowing us to see the lush greening of the fields. We have been following the reports of the rising flows in the Boise River and hope that Mother Nature, though generous, is also kind.

As requested, I have reviewed my June 5, 2015 RAFN Reopener Memo. You are correct in your understanding that the conclusions in the memo are intended to apply to the IMAP. The analysis as presented in the Memo is intended to support the conclusion that the discretionary authority of the Director to include a condition allowing for the extension or shortening of the RAFN planning horizon applies equally to changes of rights, or amendments of permits, as it does to new licenses.

Well apparently the Memo could be clearer on this point, the analysis in the first full paragraph at the top of page 3 addressing Question No. 1 is intended to support the conclusion that the conditioning authority contained in 42-219(1) of the licensing statute equally applies in proceedings for the modification of existing rights. The 1993 *Hardy v. Higginson* case is cited as supporting authority for this conclusion. In reference to the modification of existing rights the analysis specifically refers only to the transfer statute, 42-222(1), and not to the permit amendment statute, 42-111. I do not recall if this was intentional or oversight. However, given that an amended permit must still go through licensing subject to 42-219(1) it does not appear significant.

The Memo in the third full paragraph at the middle of page 5 makes the above-referenced analysis under Question No. 1 applicable to the analysis of Question No. 2. Thus, it is correct for you to conclude that the analysis as presented in the Memo is intended to support the conclusion that the discretionary authority of the Director to include a condition allowing for the extension or shortening of the RAFN planning horizon applies equally to changes of rights, or amendments of permits, as it does to new licenses.

Best regards,

Phil

From: Christopher H Meyer <ChrisMeyer@givenspursley.com>
Sent: Sunday, April 9, 2017 11:27 PM
To: Phillip J. Rassier (Pjem76@msn.com)
Subject: Clarification question regarding Rassier Memo on RAFN reopener [IWOV-GPDMS.FID508386]

Phil,

Greetings from Boise. I hope all is well with you and Edith.

We are once again gearing up to move forward with the IMAP.
Accordingly, I have been preparing an IMAP update report to IDWR and the parties.
This will include a section summarizing your 6-5-2015 Memorandum Report on the reopener issue (copy attached).

In reviewing your Memorandum, I discovered something that is unclear to me.

As you note, RAFN rights may be created either through appropriation of new rights or modification of existing rights (or permits).
All three statutory provisions—42-219(1) (licensing), 42-222(1) (changes to rights) and 42-211 (amendment of permits)—contain authority for the Director to impose conditions, though the language is not identical.

The IMAP, of course, deals with modification of existing rights. So it is subject to the conditioning language in 42-222(1) and 42-211, as opposed to 42-219(1).

The second part of your memorandum (Question No. 2) concludes that the Director has discretionary authority to include a condition addressing future adjustment of the duration of the planning horizon under the authority of 42-219(1) (dealing with licensing). But you do not mention 42-222(1) or 42-211.

I have always understood from our prior discussions that you had intended your conclusion to apply to the IMAP. Indeed, I see nothing in your analysis that would lead me to believe that the authority to include a condition allowing the extension or shortening of the planning horizon would not apply equally to changes of rights or amendments of permits.

Is that your view?

-Chris

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Exhibit 10 RESUME OF PHILLIP J. RASSIER

Phillip J. Rassier, J.D., Idaho Water Engineering LLC

Biographical Resume -- July 11, 2016

Phillip J. Rassier holds a B.S. degree in Psychology from the University of Idaho received in 1970; and a J.D. degree from the University of Idaho College of Law, received in 1975. From 1976 to 2010, Mr. Rassier was employed by the Office of the Idaho Attorney General in its Natural Resources Division. He represented the Idaho Department of Water Resources throughout most of his career as an Idaho Deputy Attorney General. He served as Chief of the Water Resources Section in the Natural Resources Division of the Office of Attorney General for approximately twenty-five years before his retirement from that Office in 2010. Thereafter, from 2010 to the present he has served as a project advisor for Idaho Water Engineering LLC, Boise, Idaho.

In his capacity as the lead deputy attorney general at the Idaho Department of Water Resources Mr. Rassier was responsible for a nine-person legal staff and advised the director, administrators and staff on a broad range of water administration and water rights issues. He also provided legal counsel to the Idaho Water Resource Board on a wide variety of matters. He represented the Department, including six different Department directors, in judicial proceedings before the Idaho courts and successfully represented the agency in numerous landmark water right cases before the Idaho Supreme Court. Throughout his legal career he drafted and reviewed a great number of legislative bills and resolutions concerning a full spectrum of issues related to water resources planning and water rights acquisition, management and administration. For most of his legal career Mr. Rassier was an active member of the Water Resources Committee of the American Bar Association, serving for many years as Vice Chair and Editor of the ABA Water Resources Committee's Annual Report which surveys current developments in water resource law throughout the nation.

In his current capacity as a project advisor for Idaho Water Engineering, LLC, Mr. Rassier was asked by Christopher H. Meyer, Givens Pursley, LLC, attorney for Suez Water Idaho Inc., to provide an opinion on the authority of the Director of the Idaho Department of Water Resources to approve a 50-year RAFN water right projection with a reopener condition. Mr. Rassier's conclusions as to the use of a reopener condition on a RAFN water right are set out in the Memorandum, dated June 5, 2015, from Mr. Rassier to Mr. Meyer. The Memorandum is reproduced as an appendix to the *Master Water Plan for the Years 2015 to 2065* adopted in 2016 by Suez Water Idaho Inc.

Mr. Rassier is currently a member of the Idaho State Bar on inactive status, presently residing in France. He may be contacted through Idaho Water Engineering, LLC, 2918 N. El Rancho Place, Boise ID 83704. Telephone: (208) 378-1513. www.idahowaterengineering.com info@idahowaterengineering.com.

Appendix A SUPPORTING DATA SPREADSHEETS FOR CHURCH FORECAST

Note: A Compact Disk containing an electronic version of Prof. Church's supporting data spreadsheets is also available for reference.

Suez Water Idaho Inc.

Appendix A

To

Master Water Plan
For the Years 2015 to 2065

September 23, 2016

1.	Table A1:	Pages A-1 to A-8	Annual Summary of Water Demand Forecasts for the Years 2012 to 2065
2.	Table A2	Pages A-9 to A-58	Water Demand Forecasts for the Years 2012 to 2065 – Forecasted Monthly Values
3.	Table A3	Pages A-59 to A-64	Water Demand Forecasts for the Years 2012 to 2065 – Annual Values of Exogenous Variables
4.	Table A4	Pages A-65 to A-111	Water Demand Forecasts for the Years 2012 to 2065 – Monthly Values of Exogenous and Binary Variables
5.	Table A5	Pages A-112 to A-141	Water Demand Forecasts for the Years 2012 to 2065 – COMPASS Forecast of Ada County Population and Households by TAZ in 5 Year Increments for the Years 2010 to 2040
6.	Table A6	Pages A-142 to A-171	Water Demand Forecasts for the Years 2012 to 2065 –Forecasted Population and Households within Suez's Planning Area by TAZ in 5 Year Increments for the Years 2010 to 2040
7.	Table A7	Pages A-172 to A-174	Comparison of Residential Water Use per Customer with a Second Source for NPI Water Used for Household Irrigation
8.	Tables A8(a)-(d)	Pages A-176 to A-185	Detailed Regression Analysis Information for Statistical Regressions Utilized to Forecast Suez's Water Demand and Customer Growth for the Residential and Commercial Customer Classes

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Suez Water Idaho Inc.

Appendix A
to
Suez
Master Water Plan 2015-2065

Table A1
Annual Summary of Water Demand Forecasts for the Years 2012 to 2065

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Appendix A - Table A1
Suez: Annual Figures for Monthly Water Demand Forecast 2012 to 2065

	Annual Number of Customers and Water Sales Statistics								
Year	Suez Residential Customers	Residential Water Sales (1,000 Gal.)	Residential Use per Customer (100 Cu. Ft)	Residential Use per Customer (1,000 Gal.)	Suez Commercial Customers	Commercial Water Sales (1,000 Gal.)	Commercial Use per Customer (100 Cu. Ft)	Commercial Use per Customer (1,000 Gal.)	
1984	35,446	5,511,778	207.87	155.50	3,735	2,489,622	891.07	666.57	
1985	35,915	6,076,116	226.16	169.18	3,844	2,656,201	923.73	691.00	
1986	36,605	6,439,869	235.18	175.93	3,953	2,867,338	969.66	725.36	
1987	37,601	7,192,233	255.70	191.28	4,062	3,213,223	1,057.48	791.04	
1988	38,078	7,011,699	246.16	184.14	4,171	3,286,839	1,053.43	788.02	
1989	38,143	6,707,747	235.09	175.86	5,199	3,577,822	919.96	688.18	
1990	40,064	6,768,503	225.84	168.94	5,519	3,995,497	967.79	723.95	
1991	41,356	7,083,591	228.97	171.28	5,647	4,044,957	957.50	716.26	
1992	42,189	7,641,871	242.14	181.13	5,820	4,056,361	931.75	697.00	
1993	43,785	6,875,688	209.92	157.03	6,050	3,752,622	829.13	620.23	
1994	45,440	8,408,274	247.37	185.04	6,359	4,439,525	933.24	698.11	
1995	46,713	7,262,632	207.84	155.47	6,591	4,361,171	884.53	661.67	
1996	47,699	7,809,568	218.87	163.73	6,724	4,780,034	950.36	710.92	
1997	49,463	7,934,999	214.46	160.42	6,840	4,791,677	936.55	700.59	
1998	50,709	7,774,576	204.96	153.32	7,006	4,798,354	915.61	684.92	
1999	56,088	9,535,471	227.27	170.01	7,357	5,212,864	947.18	708.53	
2000	59,047	9,618,433	217.76	162.90	7,487	5,300,105	946.32	707.89	
2001	60,962	9,601,791	210.55	157.50	7,566	5,372,371	949.27	710.10	
2002	62,400	9,795,025	209.84	156.97	7,744	5,058,394	873.26	653.24	
2003	63,996	9,751,328	203.70	152.37	7,916	5,021,788	848.04	634.38	Historic
2004	66,052	9,562,757	193.54	144.78	7,988	5,086,842	851.27	636.79	Data
2005	68,260	9,043,730	177.11	132.49	8,100	4,840,969	798.99	597.69	
2006	70,845	9,601,736	181.18	135.53	8,271	5,173,057	836.13	625.47	
2007	72,539	10,058,044	185.36	138.66	8,527	5,431,205	851.44	636.92	
2008	73,193	9,494,550	173.41	129.72	8,803	5,142,718	780.94	584.18	
2009	73,337	8,984,757	163.78	122.51	8,862	4,803,622	724.59	542.03	
2010	73,755	8,570,647	155.34	116.20	8,892	4,546,035	683.42	511.23	
2011	74,301	8,489,186	152.74	114.25	8,809	4,559,578	691.92	517.59	
2012	75,085	9,049,219	161.11	120.52	8,407	5,164,480	821.16	614.27	
2013	76,773	9,484,103	165.14	123.53	8,621	5,329,170	826.33	618.14	
2014	78,389	9,608,706	163.86	122.58	8,835	5,447,195	824.20	616.55	Forecast
2015	79,976	9,779,315	163.46	122.28	9,045	5,578,620	824.46	616.74	
2016	81,510	10,079,409	165.31	123.66	9,254	5,732,971	828.21	619.55	
2017	83,003	10,380,302	167.18	125.06	9,460	5,888,121	832.04	622.41	
2018	84,456	10,428,401	165.07	123.48	9,665	5,975,839	826.58	618.33	
2019	85,874	10,563,807	164.45	123.02	9,868	6,089,055	824.90	617.06	
2020	87,334	10,884,817	166.61	124.63	10,069	6,246,731	829.35	620.40	
2021	88,853	11,217,898	168.78	126.25	10,269	6,405,162	833.80	623.72	
2022	90,387	11,231,081	166.11	124.26	10,471	6,479,917	827.29	618.86	
2023	91,911	11,270,646	163.93	122.63	10,672	6,292,250	788.17	589.59	
2024	93,442	11,524,885	164.88	123.34	10,874	6,748,690	829.68	620.64	

Appendix A - Table A1
Suez: Annual Figures for Monthly Water Demand Forecast 2012 to 2065

	Annual Number of Customers and Water Sales Statistics								
Year	Suez Residential Customers	Residential Water Sales (1,000 Gal.)	Residential Use per Customer (100 Cu. Ft)	Residential Use per Customer (1,000 Gal.)	Suez Commercial Customers	Commercial Water Sales (1,000 Gal.)	Commercial Use per Customer (100 Cu. Ft)	Commercial Use per Customer (1,000 Gal.)	
2025	94,985	11,776,242	165.74	123.98	11,076	6,910,934	834.14	623.98	
2026	96,573	11,677,940	161.65	120.92	11,277	6,979,604	827.36	618.91	
2027	98,236	11,711,517	159.37	119.22	11,481	7,083,678	824.82	617.00	
2028	99,915	11,977,275	160.25	119.87	11,684	7,248,792	829.33	620.38	
2029	101,643	12,249,262	161.10	120.51	11,889	7,415,320	833.76	623.69	
2030	103,488	12,162,064	157.10	117.52	12,096	7,484,326	827.17	618.77	Forecast
2031	105,379	12,210,025	154.89	115.87	12,296	7,586,357	824.77	616.97	
2032	107,288	12,505,123	155.81	116.56	12,499	7,408,503	792.33	592.71	
2033	109,228	12,804,780	156.71	117.23	12,704	7,925,224	833.96	623.84	
2034	111,187	12,697,731	152.67	114.20	12,909	7,989,025	827.29	618.86	
2035	113,168	12,739,368	150.49	112.57	13,116	8,094,283	824.99	617.13	
2036	115,180	13,049,839	151.46	113.30	13,322	8,268,288	829.71	620.66	
2037	117,236	13,363,191	152.38	113.99	13,525	8,441,084	834.30	624.10	
2038	119,319	13,229,316	148.22	110.87	13,731	8,498,397	827.39	618.93	
2039	121,412	13,252,640	145.92	109.15	13,940	8,601,201	824.84	617.02	
2040	123,486	13,566,989	146.87	109.87	14,151	8,781,527	829.54	620.54	
2041	125,657	13,900,635	147.88	110.62	14,364	8,563,894	797.02	596.21	
2042	127,892	13,752,063	143.75	107.53	14,577	9,022,705	827.46	618.98	
2043	130,176	13,777,881	141.49	105.84	14,790	9,127,378	824.97	617.12	
2044	132,513	14,127,264	142.52	106.61	15,005	9,314,045	829.82	620.75	
2045	134,902	14,481,439	143.50	107.35	15,219	9,501,546	834.58	624.30	
2046	137,344	14,310,867	139.29	104.20	15,435	9,554,829	827.54	619.04	
2047	139,841	14,330,071	136.99	102.47	15,651	9,658,341	824.95	617.10	
2048	142,393	14,701,318	138.02	103.24	15,868	9,849,616	829.80	620.73	
2049	145,002	15,077,551	139.00	103.98	16,083	10,040,497	834.55	624.28	
2050	147,668	15,130,176	136.97	102.46	16,299	9,693,793	795.06	594.75	
2051	150,393	15,302,546	136.02	101.75	16,515	10,289,779	832.89	623.04	
2052	153,177	15,695,488	136.98	102.47	16,732	10,483,722	837.58	626.55	
2053	156,022	16,093,662	137.89	103.15	16,950	10,678,381	842.17	629.99	
2054	158,940	16,156,741	135.89	101.65	17,169	10,789,998	840.15	628.48	
2055	161,998	16,352,984	134.95	100.95	17,388	10,933,104	840.57	628.79	
2056	165,138	16,779,469	135.83	101.61	17,607	11,130,982	845.10	632.18	
2057	168,347	17,211,943	136.68	102.24	17,828	11,329,552	849.54	635.50	
2058	171,626	17,293,768	134.70	100.76	18,049	11,443,746	847.59	634.04	
2059	174,977	17,505,621	133.74	100.05	18,271	11,589,946	848.00	634.34	
2060	178,401	17,957,323	134.56	100.66	18,493	11,791,760	852.38	637.62	
2061	181,898	18,415,271	135.34	101.24	18,717	11,994,251	856.67	640.83	
2062	185,472	18,507,049	125.76	99.78	18,941	12,111,168	854.78	639.42	
2063	189,122	18,734,507	126.41	99.06	19,166	12,260,563	855.17	639.71	
2064	192,850	19,212,378	127.02	99.62	19,391	12,466,334	859.40	642.88	
2065	196,658	19,696,742	127.59	100.16	19,618	12,672,707	863.55	645.98	

Appendix A - Table A1
Suez: Annual Figures for Monthly Water Demand Forecast 2012 to 2065

	Annual Number of Customers and Water Sales Statistics							
Year	Public Authority Customers	Public Authority Water Sales (100 Cu. Ft)	Actual Public Authority Water Sales (1,000 Gal.)	Other Water Sales (100 Cu. Ft)	Other Water Sales (1,000 Gal.)	Suez Total Customers	Total Water Sales (1,000 Gal.)	
1984	65					39,246	8,001,399	
1985	65					39,824	8,732,317	
1986	67					40,625	9,307,207	
1987	79					41,742	10,405,456	
1988	78	41,475	31,025			42,327	10,329,563	
1989	66	49,500	37,028			43,408	10,322,598	
1990	71	54,559	40,813			45,654	10,804,813	
1991	93	71,431	53,434			47,097	11,181,981	
1992	72	86,389	64,623			48,689	11,762,855	
1993	75	69,416	51,926			50,556	10,680,236	
1994	134	116,327	87,019			52,573	12,934,818	
1995	95	65,682	49,133			54,140	11,672,937	
1996	78	91,384	68,360			55,297	12,657,962	
1997	78	73,436	54,934	50,365	37,676	57,228	12,872,752	
1998	88	61,843	46,262	27,466	20,546	58,762	12,717,585	
1999	97	97,955	73,275	62,137	46,482	64,581	14,875,958	
2000	103	123,677	92,517	54,286	40,608	67,749	14,929,795	
2001	103	130,771	97,824	53,354	39,912	69,768	15,183,281	
2002	112	134,648	100,724	80,901	60,518	71,476	15,020,503	
2003	126	117,096	87,594	50,217	37,565	73,261	14,838,669	Historic
2004	125	115,232	86,200	38,295	28,646	75,359	14,750,502	Data
2005	124	97,879	73,219	42,459	31,761	77,829	14,004,331	
2006	126	97,939	73,264	61,254	45,821	80,656	14,888,669	
2007	127	119,067	89,069	106,336	79,544	82,670	15,584,124	
2008	131	113,786	85,118	66,325	49,615	83,653	14,759,765	
2009	131	114,930	85,974	30,151	22,554	83,905	13,905,219	
2010	129	109,729	82,083	52,161	39,019	84,378	13,214,847	
2011	115	80,861	60,488	34,356	25,700	83,374	13,183,179	
2012	118	110,838	82,912	44,305	33,142	83,736	14,329,754	
2013	125	115,613	86,484	47,412	35,467	85,644	14,935,224	
2014	125	117,438	87,849	48,083	35,969	87,474	15,179,719	Forecast
2015	125	120,320	90,006	49,070	36,707	89,272	15,484,647	
2016	125	123,959	92,727	50,457	37,744	91,014	15,942,851	
2017	125	127,614	95,462	51,850	38,786	92,713	16,402,672	
2018	125	128,628	96,220	52,087	38,964	94,370	16,539,424	
2019	125	131,591	98,437	52,908	39,578	95,992	16,790,876	
2020	125	135,415	101,297	54,367	40,669	97,653	17,273,514	
2021	125	139,348	104,239	55,863	41,789	99,372	17,769,088	
2022	125	139,961	104,698	55,915	41,828	101,108	17,857,523	
2023	125	140,772	105,305	55,444	41,475	102,833	17,709,675	
2024	125	145,328	108,712	57,816	43,249	104,565	18,425,537	

Appendix A - Table A1
Suez: Annual Figures for Monthly Water Demand Forecast 2012 to 2065

	Annual Number of Customers and Water Sales Statistics							
Year	Public Authority Customers	Public Authority Water Sales (100 Cu. Ft)	Actual Public Authority Water Sales (1,000 Gal.)	Other Water Sales (100 Cu. Ft)	Other Water Sales (1,000 Gal.)	Suez Total Customers	Total Water Sales (1,000 Gal.)	
2025	125	148,474	111,066	59,130	44,232	106,310	18,842,475	
2026	125	147,980	110,697	58,864	44,033	108,100	18,812,274	
2027	125	150,244	112,390	59,422	44,450	109,967	18,952,036	
2028	125	153,539	114,855	60,791	45,475	111,850	19,386,397	
2029	125	156,902	117,371	62,186	46,518	113,782	19,828,471	
2030	125	156,510	117,077	61,945	46,338	115,833	19,809,805	Forecast
2031	125	158,947	118,901	62,548	46,789	117,925	19,962,072	
2032	125	160,879	120,345	62,788	46,969	120,038	20,080,939	
2033	125	166,130	124,273	65,514	49,008	122,182	20,903,285	
2034	125	165,521	123,818	65,177	48,756	124,347	20,859,330	
2035	125	168,057	125,715	65,782	49,208	126,533	21,008,573	
2036	125	171,783	128,502	67,320	50,358	128,752	21,496,988	
2037	125	175,532	131,307	68,863	51,513	131,012	21,987,094	
2038	125	174,654	130,650	68,399	51,166	133,300	21,909,529	
2039	125	177,181	132,540	68,949	51,578	135,602	22,037,959	
2040	125	180,994	135,393	70,522	52,754	137,887	22,536,663	
2041	125	183,098	136,966	70,738	52,915	140,271	22,654,411	
2042	125	183,982	137,628	71,637	53,588	142,718	22,965,985	
2043	125	186,677	139,644	72,214	54,020	145,217	23,098,923	
2044	125	190,830	142,750	73,915	55,292	147,767	23,639,352	
2045	125	195,032	145,893	75,634	56,578	150,371	24,185,457	
2046	125	193,817	144,984	75,001	56,104	153,029	24,066,785	
2047	125	196,621	147,082	75,566	56,527	155,742	24,192,021	
2048	125	201,001	150,359	77,349	57,861	158,511	24,759,154	
2049	125	205,424	153,668	79,147	59,206	161,335	25,330,922	
2050	125	204,375	152,883	77,877	58,256	164,217	25,035,109	
2051	125	210,121	157,181	80,596	60,290	167,159	25,809,796	
2052	125	214,720	160,621	82,456	61,681	170,160	26,401,512	
2053	125	219,374	164,103	84,334	63,086	173,223	26,999,231	
2054	125	220,596	165,017	84,717	63,373	176,358	27,175,128	
2055	125	224,491	167,930	85,903	64,260	179,635	27,518,279	
2056	125	229,425	171,621	87,879	65,738	182,995	28,147,810	
2057	125	234,421	175,359	89,876	67,232	186,425	28,784,085	
2058	125	235,847	176,426	90,318	67,562	189,925	28,981,502	
2059	125	239,968	179,508	91,565	68,495	193,498	29,343,571	
2060	125	245,168	183,398	93,631	70,041	197,144	30,002,522	
2061	125	250,432	187,336	95,719	71,603	200,865	30,668,461	
2062	125	251,991	188,502	96,192	71,957	204,663	30,878,675	
2063	125	256,347	191,761	97,501	72,936	208,537	31,259,766	
2064	125	261,824	195,858	99,661	74,551	212,491	31,949,121	
2065	125	267,369	200,005	101,842	76,183	216,526	32,645,637	

Appendix A - Table A1
Suez: Annual Figures for Monthly Water Demand Forecast 2012 to 2065

	Estimated Water Production and Other (Non-billed) Water Uses						
Year	Total Water Production (1,000 Gal.)	Estimated Company Water Use (1,000 Gal.)	Estimated Hydrant Water Use (1,000 Gal.)	Estimated Sysem Water Losses (1,000 Gal.)	Annual Gallons of Water Produced (1,000 Gal.)	Peak Day: Gallons of Water Produced (1,000 Gal.)	
1984							
1985							
1986							
1987							
1988							
1989							
1990							
1991							
1992							
1993							
1994							
1995	12,731,463	17,067	4,791	678,609	12,731,463	76,694	
1996	13,532,394	18,310	5,115	743,831	13,532,394	83,424	
1997	13,834,498	19,053	4,998	759,841	13,834,498	77,928	
1998	13,389,610	17,948	5,138	709,328	13,389,610	83,535	
1999	15,756,279	21,655	5,973	867,443	15,756,279	98,626	
2000	16,074,743	22,257	6,017	901,313	16,074,743	100,044	
2001	15,959,485	22,239	5,841	878,580	15,959,485	91,352	
2002	15,868,035	22,283	5,913	895,236	15,868,035	96,838	
2003	15,709,837	21,376	6,041	862,586	15,709,837	99,253	Historic
2004	15,544,510	20,891	5,616	861,415	15,544,510	90,035	Data
2005	14,779,407	20,037	5,711	784,902	14,779,407	94,149	
2006	15,684,511	21,848	5,906	863,313	15,684,511	96,348	
2007	16,281,383	59,828	5,907	922,743	16,281,383	97,591	
2008	15,455,210	86,496	5,719	859,438	15,455,210	94,051	
2009	14,631,451	100,758	5,303	805,208	14,631,451	89,294	
2010	13,993,944	110,337	4,845	746,178	13,993,944	87,311	
2011	13,535,874	77,281	4,791	707,788	13,535,874	85,502	
2012	14,988,779	49,837	5,763	792,574	14,988,779	85,467	
2013	15,677,229	52,655	5,889	827,048	15,677,229	90,689	
2014	15,945,979	53,868	5,922	840,126	15,945,979	92,746	Forecast
2015	16,224,222	54,140	6,018	851,121	16,224,222	95,700	
2016	16,707,278	55,740	6,126	874,997	16,707,278	99,398	
2017	17,191,491	57,341	6,234	898,855	17,191,491	103,135	
2018	17,352,383	58,403	6,210	904,657	17,352,383	105,246	
2019	17,530,264	57,720	6,293	906,206	17,530,264	109,064	
2020	18,040,720	59,427	6,406	931,482	18,040,720	112,989	
2021	18,564,981	61,178	6,521	957,411	18,564,981	117,042	
2022	18,678,370	62,192	6,476	960,392	18,678,370	118,980	
2023	18,446,741	59,785	6,499	940,167	18,446,741	121,440	
2024	19,193,606	62,591	6,677	981,876	19,193,606	123,918	

Appendix A - Table A1
Suez: Annual Figures for Monthly Water Demand Forecast 2012 to 2065

	Estimated Water Production and Other (Non-billed) Water Uses						
Year	Total Water Production (1,000 Gal.)	Estimated Company Water Use (1,000 Gal.)	Estimated Hydrant Water Use (1,000 Gal.)	Estimated Sysem Water Losses (1,000 Gal.)	Annual Gallons of Water Produced (1,000 Gal.)	Peak Day: Gallons of Water Produced (1,000 Gal.)	
2025	19,645,029	64,212	6,793	1,006,606	19,645,029	126,390	
2026	19,644,414	65,014	6,739	1,006,123	19,644,414	126,504	
2027	19,684,676	63,550	6,823	1,000,743	19,684,676	129,111	
2028	20,154,133	65,224	6,945	1,026,366	20,154,133	131,719	
2029	20,630,661	66,915	7,067	1,052,280	20,630,661	134,386	
2030	20,643,032	67,787	7,016	1,052,328	20,643,032	134,645	Forecast
2031	20,690,029	66,251	7,105	1,046,808	20,690,029	137,454	
2032	20,850,703	66,661	7,165	1,054,524	20,850,703	140,300	
2033	21,705,530	69,845	7,365	1,102,016	21,705,530	143,187	
2034	21,693,817	70,711	7,306	1,100,706	21,693,817	143,326	
2035	21,727,560	68,972	7,400	1,093,788	21,727,560	146,288	
2036	22,255,139	70,842	7,535	1,122,505	22,255,139	149,263	
2037	22,783,998	72,708	7,669	1,151,232	22,783,998	152,268	
2038	22,739,364	73,537	7,600	1,148,023	22,739,364	152,269	
2039	22,737,831	71,484	7,695	1,138,254	22,737,831	155,338	
2040	23,275,274	73,380	7,832	1,167,428	23,275,274	158,384	
2041	23,440,020	73,774	7,895	1,175,191	23,440,020	161,584	
2042	23,781,430	76,234	7,902	1,194,111	23,781,430	161,541	
2043	23,772,781	73,984	8,003	1,183,115	23,772,781	164,836	
2044	24,355,542	76,031	8,151	1,214,706	24,355,542	168,181	
2045	24,944,081	78,095	8,300	1,246,568	24,944,081	171,575	
2046	24,861,330	78,947	8,219	1,241,041	24,861,330	171,459	
2047	24,830,150	76,409	8,323	1,227,781	24,830,150	174,966	
2048	25,440,723	78,538	8,478	1,260,750	25,440,723	178,524	
2049	26,055,868	80,679	8,634	1,293,917	26,055,868	182,127	
2050	25,804,561	80,255	8,558	1,277,998	25,804,561	183,582	
2051	26,494,401	81,379	8,779	1,309,510	26,494,401	187,299	
2052	27,130,019	83,576	8,940	1,343,660	27,130,019	191,070	
2053	27,771,665	85,789	9,102	1,378,084	27,771,665	194,896	
2054	27,986,923	87,234	9,121	1,388,693	27,986,923	196,507	
2055	28,246,374	86,533	9,259	1,394,859	28,246,374	200,544	
2056	28,920,288	88,832	9,428	1,430,798	28,920,288	204,642	
2057	29,600,972	91,149	9,599	1,467,043	29,600,972	208,802	
2058	29,838,482	92,667	9,625	1,478,559	29,838,482	210,663	
2059	30,112,535	91,933	9,769	1,485,020	30,112,535	214,958	
2060	30,816,293	94,310	9,946	1,522,345	30,816,293	219,318	
2061	31,527,027	96,704	10,124	1,559,982	31,527,027	223,744	
2062	31,777,529	98,269	10,154	1,571,931	31,777,529	225,786	
2063	32,065,772	97,493	10,305	1,578,612	32,065,772	230,355	
2064	32,800,200	99,947	10,488	1,617,341	32,800,200	234,993	
2065	33,541,750	102,419	10,674	1,656,382	33,541,750	239,702	

Suez Water Idaho Inc.

Appendix A
to
Suez
Master Water Plan 2015-2065

Table A2
Water Demand Forecasts for the Years 2012 to 2065

Forecasted Monthly Values

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Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics								
Month	Suez Residential Customers	Residential Water Sales (1,000 Gal.)	Residential Use per Customer (100 Cu. Ft)	Residential Use per Customer (1,000 Gal.)	Suez Commercial Customers	Commercial Water Sales (1,000 Gal.)	Commercial Use per Customer (100 Cu. Ft)	Commercial Use per Customer (1,000 Gal.)	
Jan-95	46,126	275,303	7.98	5.97	6,382	239,729	50.21	37.56	
Feb-95	46,252	285,990	8.27	6.18	6,400	227,676	47.56	35.57	
Mar-95	46,385	245,260	7.07	5.29	6,421	190,957	39.76	29.74	
Apr-95	46,471	257,662	7.41	5.54	6,503	214,927	44.18	33.05	
May-95	46,610	317,443	9.10	6.81	6,624	230,027	46.42	34.73	
Jun-95	46,739	439,906	12.58	9.41	6,676	292,293	58.53	43.78	
Jul-95	46,811	814,808	23.27	17.41	6,699	420,976	84.01	62.84	
Aug-95	46,928	1,156,758	32.95	24.65	6,718	576,584	114.73	85.83	
Sep-95	47,026	1,212,127	34.46	25.78	6,740	587,257	116.48	87.13	
Oct-95	47,060	1,081,565	30.72	22.98	6,728	595,262	118.27	88.48	
Nov-95	47,067	750,775	21.32	15.95	6,615	474,179	95.83	71.68	
Dec-95	47,078	425,036	12.07	9.03	6,588	311,303	63.17	47.25	
Jan-96	47,243	298,338	8.44	6.31	6,544	285,198	58.26	43.58	
Feb-96	47,264	281,613	7.97	5.96	6,541	220,516	45.07	33.71	
Mar-96	47,278	269,359	7.62	5.70	6,542	260,449	53.22	39.81	
Apr-96	47,340	281,703	7.95	5.95	6,615	230,096	46.50	34.78	
May-96	47,494	323,863	9.12	6.82	6,762	281,932	55.74	41.69	
Jun-96	47,647	499,600	14.02	10.49	6,823	322,872	63.26	47.32	
Jul-96	47,849	885,931	24.75	18.52	6,844	471,797	92.15	68.94	
Aug-96	47,888	1,256,849	35.09	26.25	6,855	594,965	116.03	86.79	
Sep-96	48,036	1,411,456	39.28	29.38	6,883	696,723	135.32	101.22	
Oct-96	47,952	1,142,165	31.84	23.82	6,831	613,092	119.98	89.75	
Nov-96	47,944	731,638	20.40	15.26	6,748	500,205	99.09	74.13	
Dec-96	48,455	427,054	11.78	8.81	6,697	302,188	60.32	45.12	
Jan-97	48,538	298,740	8.23	6.15	6,678	261,495	52.35	39.16	
Feb-97	48,612	280,671	7.72	5.77	6,675	238,225	47.71	35.69	
Mar-97	48,476	287,070	7.92	5.92	6,623	238,090	48.06	35.95	
Apr-97	49,316	254,581	6.90	5.16	6,805	211,892	41.63	31.14	
May-97	49,444	433,079	11.71	8.76	6,888	309,131	60.00	44.88	
Jun-97	49,495	612,580	16.55	12.38	6,918	385,502	74.49	55.72	
Jul-97	49,713	1,040,569	27.98	20.93	6,935	525,429	101.28	75.76	
Aug-97	49,854	1,027,027	27.54	20.60	6,961	566,981	108.88	81.45	
Sep-97	49,960	1,421,322	38.03	28.45	6,973	648,813	124.39	93.05	
Oct-97	50,105	1,012,372	27.01	20.21	6,935	581,988	112.19	83.92	
Nov-97	50,014	850,046	22.72	17.00	6,884	499,020	96.91	72.49	Historic
Dec-97	50,028	416,942	11.14	8.33	6,799	325,111	63.92	47.82	Data
Jan-98	50,289	340,026	9.04	6.76	6,791	245,141	48.26	36.10	
Feb-98	50,332	286,474	7.61	5.69	6,781	238,259	46.97	35.14	
Mar-98	50,287	301,410	8.01	5.99	6,816	219,639	43.08	32.22	
Apr-98	50,371	268,803	7.13	5.34	6,929	231,755	44.71	33.45	
May-98	50,566	410,834	10.86	8.12	7,085	261,016	49.25	36.84	
Jun-98	50,486	465,242	12.32	9.22	7,099	363,568	68.46	51.21	
Jul-98	50,745	772,720	20.36	15.23	7,103	399,446	75.18	56.24	
Aug-98	50,700	959,976	25.31	18.93	7,114	578,241	108.66	81.28	
Sep-98	50,914	1,542,878	40.51	30.30	7,116	699,032	131.32	98.23	
Oct-98	50,956	1,057,590	27.75	20.75	7,075	683,084	129.07	96.55	
Nov-98	51,684	854,525	22.10	16.53	7,135	483,337	90.56	67.74	
Dec-98	51,177	514,098	13.43	10.05	7,024	395,836	75.34	56.35	
Jan-99	55,212	356,996	8.64	6.47	7,161	283,125	52.85	39.54	
Feb-99	55,231	302,344	7.32	5.47	7,162	259,156	48.37	36.18	
Mar-99	55,504	297,685	7.17	5.36	7,220	233,605	43.25	32.36	
Apr-99	55,713	376,629	9.04	6.76	7,366	245,392	44.53	33.31	
May-99	55,778	412,234	9.88	7.39	7,404	270,041	48.76	36.47	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics								
Month	Suez Residential Customers	Residential Water Sales (1,000 Gal.)	Residential Use per Customer (100 Cu. Ft)	Residential Use per Customer (1,000 Gal.)	Suez Commercial Customers	Commercial Water Sales (1,000 Gal.)	Commercial Use per Customer (100 Cu. Ft)	Commercial Use per Customer (1,000 Gal.)	
Jun-99	56,033	1,043,502	24.90	18.62	7,428	532,255	95.79	71.66	
Jul-99	56,140	1,200,062	28.58	21.38	7,430	527,389	94.89	70.98	
Aug-99	56,306	1,792,413	42.56	31.83	7,438	807,350	145.10	108.54	
Sep-99	56,390	1,347,322	31.94	23.89	7,452	642,984	115.34	86.28	
Oct-99	56,507	1,173,116	27.75	20.76	7,453	664,495	119.19	89.16	
Nov-99	56,607	757,885	17.90	13.39	7,430	400,547	72.07	53.91	
Dec-99	57,638	475,283	11.02	8.25	7,343	346,525	63.09	47.19	
Jan-00	58,041	362,094	8.34	6.24	7,342	244,280	44.48	33.27	
Feb-00	58,151	331,680	7.62	5.70	7,334	239,020	43.57	32.59	
Mar-00	58,365	309,135	7.08	5.30	7,352	235,565	42.83	32.04	
Apr-00	58,490	344,469	7.87	5.89	7,458	254,733	45.66	34.16	
May-00	58,672	602,427	13.73	10.27	7,519	343,204	61.02	45.64	
Jun-00	58,973	964,327	21.86	16.35	7,565	544,313	96.19	71.95	
Jul-00	59,240	1,400,703	31.61	23.64	7,572	576,673	101.81	76.16	
Aug-00	59,476	1,740,236	39.11	29.26	7,581	820,439	144.67	108.22	
Sep-00	59,620	1,507,191	33.79	25.28	7,593	669,365	117.85	88.16	
Oct-00	59,723	1,129,127	25.27	18.91	7,582	689,313	121.54	90.91	
Nov-00	59,857	460,365	10.28	7.69	7,528	346,340	61.50	46.01	
Dec-00	59,950	466,679	10.41	7.78	7,420	336,860	60.69	45.40	
Jan-01	60,126	283,058	6.29	4.71	7,408	211,284	38.13	28.52	
Feb-01	60,287	404,358	8.97	6.71	7,379	276,375	50.07	37.45	
Mar-01	60,390	318,435	7.05	5.27	7,377	233,923	42.39	31.71	
Apr-01	60,633	265,308	5.85	4.38	7,517	343,124	61.02	45.65	
May-01	60,782	433,170	9.53	7.13	7,579	283,855	50.07	37.45	
Jun-01	60,923	844,351	18.53	13.86	7,623	478,052	83.83	62.71	
Jul-01	61,034	1,480,735	32.43	24.26	7,655	667,247	116.52	87.16	
Aug-01	61,145	1,486,232	32.49	24.31	7,666	801,069	139.69	104.50	
Sep-01	61,413	1,414,897	30.80	23.04	7,689	565,416	98.30	73.54	
Oct-01	61,481	1,356,717	29.50	22.07	7,713	738,294	127.96	95.72	
Nov-01	61,617	806,016	17.49	13.08	7,616	431,661	75.77	56.68	
Dec-01	61,715	508,514	11.01	8.24	7,566	342,071	60.44	45.21	
Jan-02	61,807	341,685	7.39	5.53	7,563	233,243	41.23	30.84	
Feb-02	61,930	356,755	7.70	5.76	7,540	253,144	44.88	33.57	
Mar-02	62,046	300,754	6.48	4.85	7,544	206,363	36.57	27.35	
Apr-02	62,247	353,131	7.58	5.67	7,687	285,754	49.69	37.17	
May-02	62,312	455,982	9.78	7.32	7,757	218,053	37.58	28.11	Historic
Jun-02	62,469	959,646	20.54	15.36	7,798	490,355	84.06	62.88	Data
Jul-02	62,553	1,339,478	28.63	21.41	7,825	575,612	98.34	73.56	
Aug-02	62,618	1,582,848	33.79	25.28	7,833	587,081	100.19	74.95	
Sep-02	62,630	1,561,824	33.34	24.94	7,835	779,785	133.05	99.53	
Oct-02	62,654	1,225,907	26.16	19.57	7,838	683,542	116.59	87.21	
Nov-02	62,761	813,496	17.33	12.96	7,851	440,521	75.01	56.11	
Dec-02	62,767	503,519	10.72	8.02	7,852	304,942	51.92	38.84	
Jan-03	62,865	356,668	7.58	5.67	7,864	253,854	43.15	32.28	
Feb-03	63,039	372,684	7.90	5.91	7,886	248,212	42.08	31.48	
Mar-03	63,317	284,206	6.00	4.49	7,921	198,036	33.42	25.00	
Apr-03	63,450	344,960	7.27	5.44	7,937	230,569	38.83	29.05	
May-03	63,735	378,665	7.94	5.94	7,973	252,822	42.39	31.71	
Jun-03	63,959	714,256	14.93	11.17	8,001	424,846	70.98	53.10	
Jul-03	64,265	1,219,522	25.37	18.98	7,897	522,906	88.52	66.22	
Aug-03	64,420	1,720,420	35.70	26.71	7,893	769,236	130.28	97.46	
Sep-03	64,511	1,577,682	32.69	24.46	7,906	685,159	115.85	86.66	
Oct-03	64,635	1,288,751	26.65	19.94	7,902	643,076	108.79	81.38	
Nov-03	64,805	932,162	19.23	14.38	7,907	468,539	79.21	59.26	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics								
Month	Suez Residential Customers	Residential Water Sales (1,000 Gal.)	Residential Use per Customer (100 Cu. Ft)	Residential Use per Customer (1,000 Gal.)	Suez Commercial Customers	Commercial Water Sales (1,000 Gal.)	Commercial Use per Customer (100 Cu. Ft)	Commercial Use per Customer (1,000 Gal.)	
Dec-03	64,948	561,352	11.55	8.64	7,906	324,533	54.87	41.05	
Jan-04	65,107	338,250	6.95	5.20	7,908	219,842	37.16	27.80	
Feb-04	65,215	378,795	7.76	5.81	7,917	224,218	37.86	28.32	
Mar-04	65,445	307,865	6.29	4.70	7,932	208,084	35.07	26.23	
Apr-04	65,650	427,277	8.70	6.51	7,960	259,575	43.59	32.61	
May-04	65,789	594,104	12.07	9.03	7,967	326,915	54.85	41.03	
Jun-04	65,892	865,455	17.56	13.13	7,982	484,529	81.15	60.70	
Jul-04	66,106	1,091,744	22.08	16.52	7,976	529,748	88.79	66.42	
Aug-04	66,307	1,511,884	30.48	22.80	7,987	784,641	131.33	98.24	
Sep-04	66,496	1,506,684	30.29	22.66	8,025	665,079	110.79	82.88	
Oct-04	66,751	1,204,090	24.11	18.04	8,044	631,983	105.03	78.57	
Nov-04	66,892	814,769	16.28	12.18	8,063	420,495	69.72	52.15	
Dec-04	66,971	521,840	10.42	7.79	8,098	331,733	54.76	40.96	
Jan-05	67,119	324,118	6.46	4.83	8,052	218,553	36.28	27.14	
Feb-05	67,289	367,109	7.29	5.46	8,051	227,859	37.83	28.30	
Mar-05	67,516	296,122	5.86	4.39	8,055	202,848	33.66	25.18	
Apr-05	67,700	385,877	7.62	5.70	8,062	246,184	40.82	30.54	
May-05	67,992	411,965	8.10	6.06	8,074	284,607	47.12	35.25	
Jun-05	68,204	610,568	11.97	8.95	8,093	375,224	61.98	46.36	
Jul-05	68,413	906,945	17.72	13.26	8,120	446,589	73.52	55.00	
Aug-05	68,643	1,496,993	29.15	21.81	8,128	727,805	119.70	89.54	
Sep-05	68,868	1,671,344	32.44	24.27	8,128	744,610	122.47	91.61	
Oct-05	69,029	1,308,893	25.35	18.96	8,128	680,500	111.92	83.72	
Nov-05	69,102	772,682	14.95	11.18	8,149	384,445	63.07	47.18	
Dec-05	69,243	491,114	9.48	7.09	8,154	301,745	49.47	37.01	
Jan-06	69,488	333,836	6.42	4.80	8,158	224,647	36.81	27.54	
Feb-06	69,641	385,208	7.39	5.53	8,177	262,941	42.99	32.16	
Mar-06	70,143	287,015	5.47	4.09	8,224	210,690	34.25	25.62	
Apr-06	70,317	367,975	7.00	5.23	8,222	256,125	41.64	31.15	
May-06	70,655	371,242	7.02	5.25	8,231	256,760	41.70	31.19	
Jun-06	70,891	797,978	15.05	11.26	8,237	462,312	75.03	56.13	
Jul-06	71,081	1,163,745	21.89	16.37	8,254	542,224	87.82	65.69	
Aug-06	71,270	1,551,998	29.11	21.78	8,308	788,827	126.93	94.95	
Sep-06	71,478	1,683,755	31.49	23.56	8,331	719,615	115.47	86.38	
Oct-06	71,611	1,287,561	24.04	17.98	8,348	700,923	112.24	83.96	
Nov-06	71,726	857,466	15.98	11.95	8,369	446,845	71.38	53.39	Historic
Dec-06	71,840	513,957	9.56	7.15	8,389	301,148	47.99	35.90	Data
Jan-07	71,923	333,434	6.20	4.64	8,395	234,871	37.40	27.98	
Feb-07	72,047	402,499	7.47	5.59	8,394	248,351	39.55	29.59	
Mar-07	72,218	290,499	5.38	4.02	8,410	222,648	35.39	26.47	
Apr-07	72,401	419,416	7.74	5.79	8,417	254,551	40.43	30.24	
May-07	72,546	478,511	8.82	6.60	8,429	297,581	47.20	35.30	
Jun-07	72,629	1,017,161	18.72	14.00	8,433	544,619	86.33	64.58	
Jul-07	72,617	1,380,237	25.41	19.01	8,597	613,722	95.43	71.39	
Aug-07	72,692	1,643,411	30.22	22.61	8,611	827,521	128.47	96.10	
Sep-07	72,754	1,617,439	29.72	22.23	8,633	738,223	114.31	85.51	
Oct-07	72,834	1,258,598	23.10	17.28	8,644	725,615	112.22	83.94	
Nov-07	72,892	750,261	13.76	10.29	8,669	436,147	67.26	50.31	
Dec-07	72,911	466,578	8.55	6.40	8,695	287,356	44.18	33.05	
Jan-08	72,902	313,144	5.74	4.30	8,740	230,775	35.30	26.40	
Feb-08	72,972	407,186	7.46	5.58	8,750	246,549	37.67	28.18	
Mar-08	72,992	304,853	5.58	4.18	8,774	231,548	35.28	26.39	
Apr-08	73,077	374,720	6.85	5.13	8,795	247,694	37.65	28.16	
May-08	73,157	425,509	7.78	5.82	8,799	283,172	43.02	32.18	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics								
Month	Suez Residential Customers	Residential Water Sales (1,000 Gal.)	Residential Use per Customer (100 Cu. Ft)	Residential Use per Customer (1,000 Gal.)	Suez Commercial Customers	Commercial Water Sales (1,000 Gal.)	Commercial Use per Customer (100 Cu. Ft)	Commercial Use per Customer (1,000 Gal.)	
Jun-08	73,249	818,189	14.93	11.17	8,805	476,120	72.29	54.07	
Jul-08	73,329	1,102,003	20.09	15.03	8,825	527,122	79.85	59.73	
Aug-08	73,377	1,515,864	27.62	20.66	8,816	767,890	116.44	87.10	
Sep-08	73,420	1,691,152	30.79	23.03	8,830	723,585	109.55	81.95	
Oct-08	73,306	1,257,059	22.92	17.15	8,824	693,577	105.07	78.60	
Nov-08	73,267	801,099	14.62	10.93	8,835	414,808	62.76	46.95	
Dec-08	73,264	483,772	8.83	6.60	8,846	299,878	45.32	33.90	
Jan-09	73,248	324,916	5.93	4.44	8,844	225,096	34.02	25.45	
Feb-09	73,236	382,753	6.99	5.23	8,838	211,663	32.02	23.95	
Mar-09	73,243	280,002	5.11	3.82	8,837	201,220	30.44	22.77	
Apr-09	73,267	373,452	6.81	5.10	8,845	222,771	33.67	25.19	
May-09	73,304	393,611	7.18	5.37	8,858	263,716	39.80	29.77	
Jun-09	73,348	849,773	15.49	11.59	8,867	470,564	70.94	53.07	
Jul-09	73,364	1,082,606	19.73	14.76	8,877	510,979	76.95	57.56	
Aug-09	73,419	1,324,566	24.12	18.04	8,878	678,787	102.21	76.46	
Sep-09	73,407	1,532,528	27.91	20.88	8,883	671,320	101.03	75.57	
Oct-09	73,384	1,226,329	22.34	16.71	8,877	687,603	103.55	77.46	
Nov-09	73,397	772,965	14.08	10.53	8,869	401,647	60.54	45.29	
Dec-09	73,422	441,256	8.03	6.01	8,875	258,256	38.90	29.10	
Jan-10	73,461	337,921	6.15	4.60	8,875	212,758	32.05	23.97	
Feb-10	73,453	393,318	7.16	5.35	8,875	220,489	33.21	24.84	
Mar-10	73,495	268,907	4.89	3.66	8,879	183,822	27.68	20.70	
Apr-10	73,579	360,566	6.55	4.90	8,893	223,474	33.59	25.13	
May-10	73,717	342,386	6.21	4.64	8,894	221,873	33.35	24.95	
Jun-10	73,729	576,067	10.44	7.81	8,892	358,288	53.86	40.29	
Jul-10	73,850	908,958	16.45	12.31	8,902	448,801	67.40	50.42	
Aug-10	73,934	1,414,557	25.58	19.13	8,913	728,391	109.25	81.72	
Sep-10	73,939	1,468,743	26.55	19.86	8,895	609,450	91.59	68.52	
Oct-10	73,970	1,152,597	20.83	15.58	8,900	636,853	95.66	71.56	Historic
Nov-10	73,972	853,761	15.43	11.54	8,895	413,262	62.11	46.46	Data
Dec-10	73,960	492,866	8.91	6.66	8,895	288,574	43.37	32.44	
Jan-11	73,995	321,493	5.81	4.34	8,894	215,366	32.37	24.21	
Feb-11	74,014	390,007	7.04	5.27	8,903	217,372	32.64	24.42	
Mar-11	74,095	274,582	4.95	3.71	8,907	189,189	28.39	21.24	
Apr-11	74,168	351,436	6.33	4.74	8,925	216,300	32.40	24.24	
May-11	74,268	309,230	5.57	4.16	8,930	222,073	33.24	24.87	
Jun-11	74,304	526,940	9.48	7.09	8,939	327,313	48.95	36.62	
Jul-11	74,428	833,565	14.97	11.20	8,945	428,685	64.07	47.92	
Aug-11	74,542	1,326,496	23.79	17.80	8,949	660,643	98.69	73.82	
Sep-11	74,616	1,531,624	27.44	20.53	8,966	650,240	96.95	72.52	
Oct-11	74,477	1,220,561	21.91	16.39	8,602	688,248	106.96	80.01	
Nov-11	74,355	902,138	16.22	12.13	8,415	444,441	70.60	52.82	
Dec-11	74,352	501,114	9.01	6.74	8,336	299,708	48.06	35.95	
Jan-12	74,474	310,778	5.58	4.17	8,336	286,109	45.88	34.32	
Feb-12	74,580	337,266	6.05	4.52	8,326	270,699	43.46	32.51	
Mar-12	74,688	261,947	4.69	3.51	8,344	272,028	43.58	32.60	
Apr-12	74,796	317,093	5.67	4.24	8,363	273,277	43.68	32.68	
May-12	74,904	342,405	6.11	4.57	8,381	273,432	43.61	32.63	
Jun-12	75,012	670,256	11.94	8.94	8,399	366,704	58.37	43.66	Forecast
Jul-12	75,119	1,116,849	19.88	14.87	8,417	494,252	78.50	58.72	Data
Aug-12	75,243	1,466,954	26.06	19.50	8,435	727,889	115.36	86.30	
Sep-12	75,366	1,495,699	26.53	19.85	8,453	725,013	114.66	85.77	
Oct-12	75,489	1,442,865	25.55	19.11	8,470	719,835	113.61	84.98	
Nov-12	75,612	839,856	14.85	11.11	8,488	457,614	72.07	53.91	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics								
Month	Suez Residential Customers	Residential Water Sales (1,000 Gal.)	Residential Use per Customer (100 Cu. Ft)	Residential Use per Customer (1,000 Gal.)	Suez Commercial Customers	Commercial Water Sales (1,000 Gal.)	Commercial Use per Customer (100 Cu. Ft)	Commercial Use per Customer (1,000 Gal.)	
Dec-12	75,735	447,250	7.89	5.91	8,506	297,627	46.78	34.99	
Jan-13	76,085	277,539	4.88	3.65	8,524	282,133	44.25	33.10	
Feb-13	76,208	368,907	6.47	4.84	8,541	284,543	44.53	33.31	
Mar-13	76,332	287,801	5.04	3.77	8,559	286,300	44.72	33.45	
Apr-13	76,455	346,414	6.06	4.53	8,577	287,107	44.75	33.47	
May-13	76,579	370,127	6.46	4.83	8,595	286,303	44.53	33.31	
Jun-13	76,702	692,701	12.07	9.03	8,612	379,154	58.85	44.02	
Jul-13	76,826	1,147,730	19.97	14.94	8,630	509,713	78.96	59.06	
Aug-13	76,957	1,579,790	27.44	20.53	8,648	749,156	115.81	86.63	
Sep-13	77,087	1,610,530	27.93	20.89	8,666	746,104	115.10	86.10	
Oct-13	77,218	1,478,686	25.60	19.15	8,684	740,146	113.94	85.23	
Nov-13	77,349	862,541	14.91	11.15	8,701	471,244	72.40	54.16	
Dec-13	77,479	461,335	7.96	5.95	8,719	307,267	47.11	35.24	
Jan-14	77,669	285,500	4.91	3.68	8,737	291,209	44.56	33.33	
Feb-14	77,799	379,168	6.52	4.87	8,755	293,609	44.83	33.54	
Mar-14	77,930	295,580	5.07	3.79	8,773	295,339	45.00	33.66	
Apr-14	78,061	355,534	6.09	4.55	8,791	296,096	45.03	33.68	
May-14	78,192	381,597	6.52	4.88	8,809	295,642	44.87	33.56	
Jun-14	78,322	683,435	11.66	8.73	8,827	384,633	58.25	43.58	
Jul-14	78,453	1,154,697	19.68	14.72	8,844	518,669	78.40	58.64	
Aug-14	78,585	1,617,771	27.52	20.59	8,862	764,022	115.25	86.21	
Sep-14	78,717	1,649,590	28.01	20.96	8,879	760,855	114.55	85.69	
Oct-14	78,849	1,495,636	25.36	18.97	8,897	755,435	113.51	84.91	
Nov-14	78,981	861,904	14.59	10.91	8,914	479,910	71.97	53.84	
Dec-14	79,112	448,295	7.58	5.67	8,932	311,775	46.66	34.91	
Jan-15	79,296	277,146	4.67	3.50	8,949	295,466	44.14	33.02	
Feb-15	79,420	368,535	6.20	4.64	8,967	297,922	44.42	33.22	
Mar-15	79,544	287,528	4.83	3.61	8,984	299,693	44.59	33.36	
Apr-15	79,668	345,944	5.80	4.34	9,002	300,465	44.62	33.38	
May-15	79,792	368,197	6.17	4.61	9,019	299,321	44.36	33.19	
Jun-15	79,915	702,682	11.75	8.79	9,037	396,561	58.66	43.88	
Jul-15	80,039	1,181,969	19.74	14.77	9,054	533,552	78.77	58.93	
Aug-15	80,162	1,672,986	27.90	20.87	9,072	784,664	115.63	86.50	
Sep-15	80,285	1,705,537	28.40	21.24	9,089	781,360	114.92	85.97	
Oct-15	80,408	1,527,228	25.39	18.99	9,106	775,244	113.81	85.13	
Nov-15	80,531	881,434	14.63	10.95	9,124	493,192	72.26	54.06	Forecast
Dec-15	80,654	460,130	7.63	5.70	9,141	321,180	46.97	35.14	Data
Jan-16	80,839	284,454	4.70	3.52	9,158	304,360	44.43	33.23	
Feb-16	80,962	378,123	6.24	4.67	9,176	306,844	44.70	33.44	
Mar-16	81,085	294,925	4.86	3.64	9,193	308,626	44.88	33.57	
Apr-16	81,208	354,771	5.84	4.37	9,210	309,387	44.91	33.59	
May-16	81,331	379,712	6.24	4.67	9,228	308,676	44.72	33.45	
Jun-16	81,454	720,887	11.83	8.85	9,245	408,342	59.05	44.17	
Jul-16	81,577	1,207,963	19.80	14.81	9,262	548,222	79.12	59.19	
Aug-16	81,696	1,747,551	28.60	21.39	9,280	805,068	115.98	86.76	
Sep-16	81,815	1,781,372	29.11	21.77	9,297	801,656	115.27	86.23	
Oct-16	81,934	1,557,856	25.42	19.01	9,314	794,878	114.09	85.34	
Nov-16	82,053	900,299	14.67	10.97	9,331	506,375	72.54	54.27	
Dec-16	82,172	471,498	7.67	5.74	9,348	330,538	47.27	35.36	
Jan-17	82,353	291,513	4.73	3.54	9,366	313,228	44.71	33.44	
Feb-17	82,472	387,443	6.28	4.70	9,383	315,759	44.99	33.65	
Mar-17	82,591	302,160	4.89	3.66	9,400	317,573	45.16	33.78	
Apr-17	82,710	363,457	5.87	4.39	9,417	318,342	45.19	33.80	
May-17	82,829	391,217	6.31	4.72	9,435	318,106	45.07	33.72	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics								
Month	Suez Residential Customers	Residential Water Sales (1,000 Gal.)	Residential Use per Customer (100 Cu. Ft)	Residential Use per Customer (1,000 Gal.)	Suez Commercial Customers	Commercial Water Sales (1,000 Gal.)	Commercial Use per Customer (100 Cu. Ft)	Commercial Use per Customer (1,000 Gal.)	
Jun-17	82,947	738,991	11.91	8.91	9,452	420,223	59.43	44.46	
Jul-17	83,066	1,233,527	19.85	14.85	9,469	562,989	79.48	59.45	
Aug-17	83,182	1,823,035	29.30	21.92	9,486	825,551	116.34	87.03	
Sep-17	83,298	1,858,228	29.82	22.31	9,503	822,042	115.64	86.50	
Oct-17	83,414	1,588,007	25.45	19.04	9,520	814,569	114.38	85.56	
Nov-17	83,530	919,275	14.71	11.01	9,537	519,672	72.84	54.49	
Dec-17	83,645	483,448	7.73	5.78	9,554	340,067	47.58	35.59	
Jan-18	83,824	299,015	4.77	3.57	9,571	322,275	45.01	33.67	
Feb-18	83,940	397,426	6.33	4.73	9,588	324,867	45.29	33.88	
Mar-18	84,056	309,973	4.93	3.69	9,605	326,725	45.47	34.02	
Apr-18	84,172	372,918	5.92	4.43	9,622	327,517	45.50	34.04	
May-18	84,287	403,992	6.41	4.79	9,639	327,851	45.47	34.01	
Jun-18	84,403	708,132	11.22	8.39	9,656	420,781	58.25	43.58	
Jul-18	84,519	1,223,897	19.36	14.48	9,673	567,328	78.40	58.65	
Aug-18	84,631	1,867,296	29.50	22.06	9,690	835,509	115.26	86.22	
Sep-18	84,742	1,903,761	30.03	22.47	9,707	831,888	114.56	85.70	
Oct-18	84,854	1,589,976	25.05	18.74	9,724	825,777	113.52	84.92	
Nov-18	84,966	901,320	14.18	10.61	9,741	524,545	71.99	53.85	
Dec-18	85,078	450,693	7.08	5.30	9,758	340,776	46.69	34.92	
Jan-19	85,254	278,124	4.36	3.26	9,775	322,902	44.16	33.03	
Feb-19	85,365	370,388	5.80	4.34	9,792	325,535	44.44	33.25	
Mar-19	85,477	289,225	4.52	3.38	9,809	327,419	44.62	33.38	
Apr-19	85,589	348,011	5.44	4.07	9,826	328,213	44.65	33.40	
May-19	85,701	370,206	5.77	4.32	9,843	326,982	44.41	33.22	
Jun-19	85,812	727,423	11.33	8.48	9,860	433,065	58.72	43.92	
Jul-19	85,924	1,249,572	19.44	14.54	9,877	582,395	78.83	58.97	
Aug-19	86,040	1,944,670	30.21	22.60	9,893	856,167	115.69	86.54	
Sep-19	86,157	1,982,604	30.76	23.01	9,910	852,423	114.99	86.02	
Oct-19	86,273	1,619,706	25.10	18.77	9,927	845,509	113.86	85.17	
Nov-19	86,389	920,578	14.25	10.66	9,943	537,965	72.32	54.10	
Dec-19	86,506	463,298	7.16	5.36	9,960	350,481	47.04	35.19	
Jan-20	86,687	285,986	4.41	3.30	9,977	332,093	44.50	33.29	
Feb-20	86,804	380,758	5.86	4.39	9,994	334,762	44.78	33.50	
Mar-20	86,920	297,276	4.57	3.42	10,010	336,667	44.96	33.63	
Apr-20	87,036	357,689	5.49	4.11	10,027	337,459	44.99	33.65	
May-20	87,153	383,301	5.88	4.40	10,044	336,814	44.83	33.53	Forecast
Jun-20	87,269	747,106	11.44	8.56	10,061	445,325	59.17	44.26	Data
Jul-20	87,385	1,276,053	19.52	14.60	10,077	597,387	79.25	59.28	
Aug-20	87,507	2,024,932	30.93	23.14	10,094	876,697	116.11	86.85	
Sep-20	87,629	2,064,423	31.49	23.56	10,111	872,846	115.40	86.33	
Oct-20	87,751	1,650,537	25.14	18.81	10,127	865,130	114.20	85.42	
Nov-20	87,872	940,488	14.31	10.70	10,144	551,351	72.66	54.35	
Dec-20	87,994	476,270	7.24	5.41	10,161	360,201	47.39	35.45	
Jan-21	88,182	294,090	4.46	3.34	10,177	341,306	44.83	33.54	
Feb-21	88,304	391,470	5.93	4.43	10,194	344,020	45.11	33.75	
Mar-21	88,426	305,609	4.62	3.46	10,211	345,953	45.29	33.88	
Apr-21	88,548	367,726	5.55	4.15	10,227	346,751	45.32	33.90	
May-21	88,670	396,889	5.98	4.48	10,244	346,724	45.25	33.85	
Jun-21	88,791	767,600	11.56	8.64	10,261	457,672	59.63	44.60	
Jul-21	88,913	1,303,701	19.60	14.66	10,277	612,449	79.66	59.59	
Aug-21	89,035	2,108,445	31.66	23.68	10,294	897,286	116.52	87.16	
Sep-21	89,158	2,149,419	32.23	24.11	10,311	893,345	115.82	86.64	
Oct-21	89,281	1,682,424	25.19	18.84	10,328	884,819	114.53	85.67	
Nov-21	89,403	960,983	14.37	10.75	10,345	564,822	72.99	54.60	

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Month	Suez Residential Customers	Residential Water Sales (1,000 Gal.)	Residential Use per Customer (100 Cu. Ft)	Residential Use per Customer (1,000 Gal.)	Suez Commercial Customers	Commercial Water Sales (1,000 Gal.)	Commercial Use per Customer (100 Cu. Ft)	Commercial Use per Customer (1,000 Gal.)	
Dec-21	89,525	489,543	7.31	5.47	10,361	370,015	47.74	35.71	
Jan-22	89,715	302,350	4.51	3.37	10,378	350,613	45.16	33.78	
Feb-22	89,838	402,349	5.99	4.48	10,395	353,375	45.44	33.99	
Mar-22	89,960	314,040	4.67	3.49	10,412	355,340	45.62	34.13	
Apr-22	90,083	377,844	5.61	4.19	10,429	356,149	45.65	34.15	
May-22	90,205	410,576	6.08	4.55	10,446	356,757	45.66	34.15	
Jun-22	90,328	727,491	10.77	8.05	10,462	455,918	58.25	43.58	
Jul-22	90,450	1,288,104	19.04	14.24	10,479	614,617	78.40	58.65	
Aug-22	90,571	2,150,467	31.74	23.74	10,496	905,023	115.27	86.23	
Sep-22	90,692	2,192,928	32.32	24.18	10,513	900,978	114.57	85.70	
Oct-22	90,813	1,680,386	24.74	18.50	10,530	894,229	113.53	84.93	
Nov-22	90,934	936,444	13.77	10.30	10,546	567,963	71.99	53.85	
Dec-22	91,055	448,103	6.58	4.92	10,563	368,955	46.69	34.93	
Jan-23	91,245	275,973	4.04	3.02	10,580	279,649	35.33	26.43	
Feb-23	91,366	368,220	5.39	4.03	10,597	334,750	42.23	31.59	
Mar-23	91,487	287,866	4.21	3.15	10,614	318,927	40.17	30.05	
Apr-23	91,608	346,453	5.06	3.78	10,630	337,421	42.43	31.74	
May-23	91,728	368,152	5.37	4.01	10,647	336,139	42.20	31.57	
Jun-23	91,849	748,356	10.89	8.15	10,664	464,240	58.20	43.53	
Jul-23	91,970	1,315,908	19.13	14.31	10,681	629,959	78.85	58.98	
Aug-23	92,092	2,192,740	31.83	23.81	10,697	925,924	115.71	86.56	
Sep-23	92,214	2,235,891	32.41	24.25	10,714	921,778	115.01	86.03	
Oct-23	92,336	1,712,312	24.79	18.54	10,731	822,751	102.49	76.67	
Nov-23	92,458	957,113	13.84	10.35	10,748	552,566	68.73	51.41	
Dec-23	92,579	461,661	6.67	4.99	10,765	368,146	45.72	34.20	
Jan-24	92,771	284,428	4.10	3.07	10,781	359,061	44.52	33.30	
Feb-24	92,893	379,366	5.46	4.08	10,798	361,914	44.80	33.52	
Mar-24	93,015	296,516	4.26	3.19	10,815	363,941	44.99	33.65	
Apr-24	93,136	356,848	5.12	3.83	10,832	364,765	45.02	33.68	
May-24	93,258	382,360	5.48	4.10	10,849	364,098	44.87	33.56	
Jun-24	93,380	769,522	11.02	8.24	10,865	481,289	59.22	44.30	
Jul-24	93,502	1,344,034	19.22	14.37	10,882	645,422	79.29	59.31	
Aug-24	93,624	2,235,383	31.92	23.88	10,899	946,932	116.15	86.88	
Sep-24	93,746	2,279,168	32.50	24.31	10,916	942,673	115.45	86.36	
Oct-24	93,869	1,744,397	24.84	18.58	10,933	934,175	114.23	85.45	
Nov-24	93,991	977,786	13.91	10.40	10,949	595,386	72.69	54.38	Forecast
Dec-24	94,114	475,077	6.75	5.05	10,966	389,033	47.42	35.48	Data
Jan-25	94,307	292,749	4.15	3.10	10,983	368,588	44.86	33.56	
Feb-25	94,429	390,286	5.53	4.13	11,000	371,476	45.15	33.77	
Mar-25	94,552	304,949	4.31	3.23	11,017	373,522	45.32	33.91	
Apr-25	94,674	366,932	5.18	3.88	11,034	374,344	45.36	33.93	
May-25	94,796	396,128	5.59	4.18	11,050	374,340	45.29	33.88	
Jun-25	94,919	790,172	11.13	8.32	11,067	493,999	59.67	44.64	
Jul-25	95,041	1,371,807	19.30	14.43	11,084	660,843	79.70	59.62	
Aug-25	95,167	2,277,861	32.00	23.94	11,101	967,916	116.56	87.19	
Sep-25	95,293	2,322,398	32.58	24.37	11,118	963,546	115.86	86.67	
Oct-25	95,420	1,776,489	24.89	18.62	11,134	954,172	114.56	85.70	
Nov-25	95,546	998,286	13.97	10.45	11,151	609,110	73.02	54.62	
Dec-25	95,672	488,187	6.82	5.10	11,168	399,079	47.77	35.73	
Jan-26	95,870	300,911	4.20	3.14	11,185	378,107	45.19	33.81	
Feb-26	95,996	401,050	5.58	4.18	11,201	381,037	45.47	34.02	
Mar-26	96,122	313,301	4.36	3.26	11,218	383,108	45.65	34.15	
Apr-26	96,248	376,965	5.24	3.92	11,235	383,932	45.68	34.17	
May-26	96,375	409,907	5.69	4.25	11,252	384,602	45.69	34.18	

Appendix A - Table A2
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Month	Suez Residential Customers	Residential Water Sales (1,000 Gal.)	Residential Use per Customer (100 Cu. Ft)	Residential Use per Customer (1,000 Gal.)	Suez Commercial Customers	Commercial Water Sales (1,000 Gal.)	Commercial Use per Customer (100 Cu. Ft)	Commercial Use per Customer (1,000 Gal.)	
Jun-26	96,501	744,785	10.32	7.72	11,269	491,050	58.25	43.58	
Jul-26	96,627	1,352,872	18.72	14.00	11,285	661,897	78.40	58.65	
Aug-26	96,760	2,274,170	31.42	23.50	11,302	974,543	115.27	86.22	
Sep-26	96,894	2,319,582	32.00	23.94	11,319	970,087	114.57	85.70	
Oct-26	97,028	1,772,496	24.42	18.27	11,336	962,725	113.53	84.92	
Nov-26	97,161	970,150	13.35	9.98	11,353	611,397	71.99	53.85	
Dec-26	97,295	441,753	6.07	4.54	11,370	397,116	46.69	34.93	
Jan-27	97,502	271,374	3.72	2.78	11,387	376,200	44.16	33.04	
Feb-27	97,635	362,839	4.97	3.72	11,404	379,180	44.45	33.25	
Mar-27	97,769	284,005	3.88	2.90	11,421	381,286	44.63	33.38	
Apr-27	97,903	341,845	4.67	3.49	11,438	382,122	44.66	33.41	
May-27	98,036	362,550	4.94	3.70	11,455	380,613	44.42	33.23	
Jun-27	98,170	766,477	10.44	7.81	11,472	503,967	58.72	43.93	
Jul-27	98,303	1,382,625	18.80	14.06	11,489	677,563	78.84	58.97	
Aug-27	98,437	2,319,837	31.50	23.57	11,506	995,827	115.70	86.55	
Sep-27	98,570	2,365,963	32.09	24.00	11,523	991,259	115.00	86.02	
Oct-27	98,704	1,806,845	24.47	18.31	11,540	982,994	113.87	85.18	
Nov-27	98,837	991,818	13.41	10.03	11,557	625,330	72.33	54.11	
Dec-27	98,971	455,340	6.15	4.60	11,574	407,339	47.05	35.19	
Jan-28	99,178	279,815	3.77	2.82	11,591	385,887	44.50	33.29	
Feb-28	99,312	373,960	5.03	3.77	11,608	388,908	44.79	33.50	
Mar-28	99,445	292,625	3.93	2.94	11,625	391,039	44.97	33.64	
Apr-28	99,579	352,183	4.73	3.54	11,642	391,878	45.00	33.66	
May-28	99,712	376,748	5.05	3.78	11,659	391,068	44.84	33.54	
Jun-28	99,846	788,158	10.55	7.89	11,676	516,930	59.19	44.27	
Jul-28	99,979	1,412,320	18.88	14.13	11,693	693,251	79.26	59.29	
Aug-28	100,115	2,365,496	31.59	23.63	11,710	1,017,133	116.12	86.86	
Sep-28	100,251	2,412,398	32.17	24.06	11,727	1,012,468	115.42	86.34	
Oct-28	100,387	1,841,242	24.52	18.34	11,744	1,003,303	114.21	85.43	
Nov-28	100,522	1,013,476	13.48	10.08	11,761	639,313	72.67	54.36	
Dec-28	100,658	468,854	6.23	4.66	11,778	417,615	47.40	35.46	
Jan-29	100,870	288,216	3.82	2.86	11,795	395,631	44.84	33.54	
Feb-29	101,005	385,039	5.10	3.81	11,812	398,698	45.12	33.75	
Mar-29	101,141	301,220	3.98	2.98	11,829	400,860	45.30	33.89	
Apr-29	101,277	362,500	4.78	3.58	11,846	401,707	45.33	33.91	
May-29	101,413	390,968	5.15	3.86	11,864	401,612	45.25	33.85	Forecast
Jun-29	101,559	810,058	10.66	7.98	11,881	530,006	59.64	44.61	Data
Jul-29	101,705	1,442,671	18.96	14.18	11,898	709,076	79.67	59.60	
Aug-29	101,853	2,412,516	31.66	23.69	11,915	1,038,625	116.53	87.17	
Sep-29	102,001	2,460,451	32.25	24.12	11,932	1,033,869	115.83	86.65	
Oct-29	102,149	1,877,008	24.56	18.38	11,950	1,023,800	114.53	85.68	
Nov-29	102,297	1,035,921	13.54	10.13	11,967	653,434	72.99	54.60	
Dec-29	102,445	482,693	6.30	4.71	11,984	428,000	47.74	35.71	
Jan-30	102,669	296,842	3.87	2.89	12,001	405,481	45.17	33.79	
Feb-30	102,817	396,459	5.15	3.86	12,019	408,598	45.45	34.00	
Mar-30	102,965	310,112	4.03	3.01	12,036	410,793	45.63	34.13	
Apr-30	103,114	373,209	4.84	3.62	12,053	411,650	45.66	34.15	
May-30	103,262	405,689	5.25	3.93	12,071	412,283	45.66	34.16	
Jun-30	103,410	763,361	9.87	7.38	12,088	526,747	58.25	43.58	
Jul-30	103,558	1,425,049	18.40	13.76	12,105	709,968	78.40	58.65	
Aug-30	103,709	2,412,594	31.10	23.26	12,122	1,045,182	115.27	86.22	
Sep-30	103,861	2,461,432	31.68	23.70	12,138	1,040,263	114.57	85.70	
Oct-30	104,012	1,875,629	24.11	18.03	12,155	1,032,231	113.53	84.92	
Nov-30	104,163	1,007,586	12.93	9.67	12,171	655,453	71.99	53.85	

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Dec-30	104,315	434,104	5.56	4.16	12,188	425,678	46.69	34.93	
Jan-31	104,544	265,913	3.40	2.54	12,205	403,205	44.16	33.04	
Feb-31	104,696	356,456	4.55	3.40	12,221	406,345	44.45	33.25	
Mar-31	104,847	279,443	3.56	2.67	12,238	408,550	44.63	33.38	
Apr-31	104,999	336,438	4.28	3.20	12,254	409,393	44.66	33.41	
May-31	105,150	356,136	4.53	3.39	12,271	407,728	44.42	33.23	
Jun-31	105,302	786,882	9.99	7.47	12,287	539,797	58.73	43.93	
Jul-31	105,453	1,457,962	18.48	13.83	12,304	725,630	78.84	58.98	
Aug-31	105,606	2,463,543	31.18	23.33	12,321	1,066,367	115.70	86.55	
Sep-31	105,758	2,513,232	31.77	23.76	12,338	1,061,383	115.00	86.03	
Oct-31	105,910	1,913,973	24.16	18.07	12,355	1,052,433	113.87	85.18	
Nov-31	106,063	1,031,410	13.00	9.72	12,372	669,460	72.34	54.11	
Dec-31	106,215	448,636	5.65	4.22	12,389	436,067	47.05	35.20	
Jan-32	106,447	274,947	3.45	2.58	12,406	330,456	35.61	26.64	
Feb-32	106,599	368,390	4.62	3.46	12,423	395,456	42.55	31.83	
Mar-32	106,752	288,713	3.62	2.70	12,440	376,665	40.48	30.28	
Apr-32	106,904	347,575	4.35	3.25	12,457	398,412	42.76	31.98	
May-32	107,056	371,493	4.64	3.47	12,474	397,576	42.61	31.87	
Jun-32	107,209	810,720	10.11	7.56	12,491	548,053	58.65	43.88	
Jul-32	107,361	1,491,190	18.57	13.89	12,508	741,687	79.27	59.30	
Aug-32	107,516	2,514,964	31.27	23.39	12,525	1,088,053	116.13	86.87	
Sep-32	107,671	2,565,553	31.85	23.83	12,542	1,082,968	115.43	86.35	
Oct-32	107,827	1,952,705	24.21	18.11	12,559	965,740	102.80	76.90	
Nov-32	107,982	1,055,511	13.07	9.77	12,576	649,549	69.05	51.65	
Dec-32	108,137	463,362	5.73	4.28	12,593	433,887	46.06	34.45	
Jan-33	108,373	284,105	3.50	2.62	12,610	423,104	44.85	33.55	
Feb-33	108,528	380,491	4.69	3.51	12,627	426,351	45.14	33.76	
Mar-33	108,683	298,117	3.67	2.74	12,644	428,629	45.32	33.90	
Apr-33	108,838	358,877	4.41	3.30	12,661	429,502	45.35	33.92	
May-33	108,994	387,126	4.75	3.55	12,678	429,412	45.28	33.87	
Jun-33	109,149	834,985	10.23	7.65	12,695	566,601	59.66	44.63	
Jul-33	109,304	1,525,026	18.65	13.95	12,712	757,869	79.70	59.62	
Aug-33	109,460	2,567,272	31.35	23.45	12,729	1,109,876	116.56	87.19	
Sep-33	109,617	2,618,722	31.94	23.89	12,747	1,104,688	115.86	86.67	
Oct-33	109,773	1,991,997	24.26	18.15	12,764	1,093,773	114.56	85.69	
Nov-33	109,930	1,079,889	13.13	9.82	12,781	698,107	73.02	54.62	Forecast
Dec-33	110,086	478,175	5.81	4.34	12,798	457,311	47.77	35.73	Data
Jan-34	110,325	293,299	3.55	2.66	12,815	433,214	45.19	33.81	
Feb-34	110,481	392,617	4.75	3.55	12,832	436,504	45.47	34.02	
Mar-34	110,638	307,522	3.72	2.78	12,849	438,811	45.65	34.15	
Apr-34	110,794	370,159	4.47	3.34	12,866	439,689	45.68	34.17	
May-34	110,951	402,759	4.85	3.63	12,884	440,395	45.70	34.18	
Jun-34	111,107	782,856	9.42	7.05	12,901	562,168	58.25	43.58	
Jul-34	111,264	1,504,428	18.08	13.52	12,918	757,643	78.41	58.65	
Aug-34	111,422	2,565,380	30.78	23.02	12,935	1,115,343	115.27	86.23	
Sep-34	111,580	2,617,769	31.36	23.46	12,952	1,110,076	114.57	85.71	
Oct-34	111,738	1,988,855	23.79	17.80	12,969	1,101,474	113.53	84.93	
Nov-34	111,896	1,047,793	12.52	9.36	12,987	699,435	72.00	53.86	
Dec-34	112,054	424,296	5.06	3.79	13,004	454,273	46.70	34.93	
Jan-35	112,295	259,033	3.08	2.31	13,021	430,292	44.18	33.05	
Feb-35	112,453	348,315	4.14	3.10	13,038	433,645	44.46	33.26	
Mar-35	112,611	273,573	3.25	2.43	13,056	435,998	44.64	33.40	
Apr-35	112,769	329,478	3.91	2.92	13,073	436,899	44.68	33.42	
May-35	112,927	348,168	4.12	3.08	13,090	435,167	44.44	33.24	

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Jun-35	113,085	808,137	9.55	7.15	13,107	576,075	58.75	43.95	
Jul-35	113,244	1,539,330	18.17	13.59	13,125	774,283	78.86	58.99	
Aug-35	113,404	2,619,113	30.87	23.10	13,142	1,137,672	115.73	86.57	
Sep-35	113,565	2,672,389	31.46	23.53	13,159	1,132,281	115.03	86.05	
Oct-35	113,725	2,029,176	23.85	17.84	13,176	1,122,606	113.90	85.20	
Nov-35	113,886	1,072,945	12.59	9.42	13,193	714,134	72.36	54.13	
Dec-35	114,046	439,710	5.15	3.86	13,210	465,231	47.08	35.22	
Jan-36	114,292	268,590	3.14	2.35	13,228	440,671	44.54	33.31	
Feb-36	114,452	360,901	4.22	3.15	13,245	444,058	44.82	33.53	
Mar-36	114,613	283,321	3.30	2.47	13,262	446,429	45.00	33.66	
Apr-36	114,774	341,156	3.97	2.97	13,279	447,324	45.03	33.69	
May-36	114,934	364,428	4.24	3.17	13,296	446,428	44.88	33.58	
Jun-36	115,095	833,290	9.68	7.24	13,313	589,926	59.23	44.31	
Jul-36	115,256	1,574,351	18.26	13.66	13,331	790,823	79.30	59.32	
Aug-36	115,420	2,673,324	30.96	23.16	13,347	1,159,864	116.17	86.90	
Sep-36	115,585	2,727,552	31.55	23.60	13,364	1,154,340	115.47	86.37	
Oct-36	115,749	2,069,892	23.91	17.88	13,381	1,143,590	114.25	85.46	
Nov-36	115,913	1,098,131	12.66	9.47	13,398	728,726	72.71	54.39	
Dec-36	116,078	454,904	5.24	3.92	13,415	476,110	47.44	35.49	
Jan-37	116,329	278,020	3.19	2.39	13,432	450,975	44.88	33.57	
Feb-37	116,494	373,349	4.28	3.20	13,449	454,393	45.17	33.79	
Mar-37	116,658	292,982	3.36	2.51	13,466	456,780	45.35	33.92	
Apr-37	116,823	352,751	4.04	3.02	13,483	457,669	45.38	33.94	
May-37	116,987	380,642	4.35	3.25	13,500	457,609	45.31	33.90	
Jun-37	117,152	858,604	9.80	7.33	13,517	603,667	59.70	44.66	
Jul-37	117,317	1,609,925	18.34	13.72	13,533	807,203	79.73	59.64	
Aug-37	117,483	2,728,502	31.05	23.22	13,551	1,181,853	116.59	87.22	
Sep-37	117,649	2,783,651	31.63	23.66	13,568	1,176,237	115.89	86.69	
Oct-37	117,815	2,111,227	23.96	17.92	13,585	1,164,449	114.59	85.72	
Nov-37	117,982	1,123,515	12.73	9.52	13,602	743,269	73.05	54.64	
Dec-37	118,148	470,024	5.32	3.98	13,619	486,980	47.80	35.76	
Jan-38	118,402	287,394	3.24	2.43	13,636	461,285	45.22	33.83	
Feb-38	118,569	385,719	4.35	3.25	13,653	464,750	45.50	34.04	
Mar-38	118,735	302,579	3.41	2.55	13,670	467,168	45.68	34.17	
Apr-38	118,901	364,262	4.10	3.06	13,688	468,066	45.71	34.20	
May-38	119,068	396,791	4.45	3.33	13,705	468,860	45.73	34.21	Forecast
Jun-38	119,234	800,060	8.97	6.71	13,722	597,952	58.25	43.58	Data
Jul-38	119,401	1,585,801	17.75	13.28	13,739	805,808	78.41	58.65	
Aug-38	119,568	2,724,222	30.46	22.78	13,756	1,186,160	115.27	86.23	
Sep-38	119,736	2,780,321	31.04	23.22	13,774	1,180,473	114.57	85.70	
Oct-38	119,903	2,105,924	23.48	17.56	13,791	1,171,245	113.53	84.93	
Nov-38	120,071	1,086,752	12.10	9.05	13,809	743,675	71.99	53.86	
Dec-38	120,238	409,490	4.55	3.41	13,826	482,955	46.70	34.93	
Jan-39	120,495	248,874	2.76	2.07	13,844	457,423	44.17	33.04	
Feb-39	120,663	335,861	3.72	2.78	13,861	460,950	44.46	33.26	
Mar-39	120,831	264,332	2.92	2.19	13,879	463,414	44.64	33.39	
Apr-39	120,999	318,390	3.52	2.63	13,896	464,334	44.67	33.42	
May-39	121,166	335,339	3.70	2.77	13,913	462,437	44.43	33.24	
Jun-39	121,334	825,808	9.10	6.81	13,931	612,149	58.74	43.94	
Jul-39	121,502	1,622,028	17.85	13.35	13,948	822,757	78.85	58.99	
Aug-39	121,665	2,780,293	30.55	22.85	13,966	1,208,896	115.71	86.56	
Sep-39	121,828	2,837,187	31.13	23.29	13,984	1,203,113	115.02	86.04	
Oct-39	121,992	2,147,637	23.53	17.60	14,001	1,192,804	113.89	85.19	
Nov-39	122,155	1,112,266	12.17	9.11	14,019	758,717	72.35	54.12	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics								
Month	Suez Residential Customers	Residential Water Sales (1,000 Gal.)	Residential Use per Customer (100 Cu. Ft)	Residential Use per Customer (1,000 Gal.)	Suez Commercial Customers	Commercial Water Sales (1,000 Gal.)	Commercial Use per Customer (100 Cu. Ft)	Commercial Use per Customer (1,000 Gal.)	
Dec-39	122,318	424,624	4.64	3.47	14,037	494,207	47.07	35.21	
Jan-40	122,573	258,242	2.82	2.11	14,054	468,095	44.52	33.31	
Feb-40	122,736	348,205	3.79	2.84	14,072	471,670	44.81	33.52	
Mar-40	122,900	273,894	2.98	2.23	14,090	474,166	44.99	33.65	
Apr-40	123,063	329,841	3.58	2.68	14,107	475,095	45.02	33.68	
May-40	123,227	351,560	3.81	2.85	14,125	474,087	44.87	33.56	
Jun-40	123,390	851,098	9.22	6.90	14,143	626,483	59.22	44.30	
Jul-40	123,554	1,657,467	17.93	13.41	14,160	839,869	79.29	59.31	
Aug-40	123,728	2,835,544	30.64	22.92	14,178	1,231,875	116.15	86.89	
Sep-40	123,903	2,893,655	31.22	23.35	14,196	1,226,004	115.45	86.36	
Oct-40	124,077	2,189,334	23.59	17.64	14,213	1,214,605	114.24	85.46	
Nov-40	124,251	1,138,027	12.24	9.16	14,231	773,947	72.70	54.38	
Dec-40	124,426	440,120	4.73	3.54	14,249	505,632	47.44	35.49	
Jan-41	124,693	267,934	2.87	2.15	14,266	383,156	35.90	26.86	
Feb-41	124,867	361,101	3.87	2.89	14,284	458,453	42.91	32.10	
Mar-41	125,042	283,982	3.04	2.27	14,302	436,611	40.81	30.53	
Apr-41	125,216	342,041	3.65	2.73	14,320	461,770	43.11	32.25	
May-41	125,391	368,956	3.93	2.94	14,337	461,720	43.05	32.20	
Jun-41	125,565	878,266	9.35	6.99	14,355	635,269	59.16	44.25	
Jul-41	125,740	1,695,540	18.03	13.48	14,373	857,311	79.74	59.65	
Aug-41	125,918	2,894,439	30.73	22.99	14,390	1,255,166	116.60	87.22	
Sep-41	126,097	2,953,555	31.31	23.42	14,408	1,249,178	115.90	86.70	
Oct-41	126,275	2,233,389	23.64	17.69	14,426	1,112,954	103.13	77.15	
Nov-41	126,454	1,165,135	12.32	9.21	14,444	749,882	69.40	51.92	
Dec-41	126,632	456,296	4.82	3.60	14,461	502,425	46.44	34.74	
Jan-42	126,905	277,952	2.93	2.19	14,479	489,910	45.23	33.84	
Feb-42	127,083	374,305	3.94	2.95	14,497	493,585	45.52	34.05	
Mar-42	127,262	294,214	3.09	2.31	14,515	496,149	45.70	34.18	
Apr-42	127,440	354,300	3.72	2.78	14,532	497,098	45.73	34.21	
May-42	127,619	386,314	4.05	3.03	14,550	497,976	45.75	34.22	
Jun-42	127,797	814,575	8.52	6.37	14,568	634,819	58.25	43.58	
Jul-42	127,976	1,669,024	17.43	13.04	14,586	855,479	78.41	58.65	
Aug-42	128,158	2,889,273	30.14	22.54	14,603	1,259,220	115.27	86.23	
Sep-42	128,341	2,949,471	30.72	22.98	14,621	1,253,134	114.57	85.71	
Oct-42	128,523	2,227,236	23.17	17.33	14,639	1,243,279	113.53	84.93	
Nov-42	128,706	1,124,984	11.68	8.74	14,657	789,400	72.00	53.86	Forecast
Dec-42	128,888	390,413	4.05	3.03	14,675	512,657	46.70	34.94	Data
Jan-43	129,167	236,033	2.44	1.83	14,692	485,541	44.18	33.05	
Feb-43	129,349	320,051	3.31	2.47	14,710	489,271	44.46	33.26	
Mar-43	129,532	252,598	2.61	1.95	14,728	491,872	44.65	33.40	
Apr-43	129,715	304,392	3.14	2.35	14,746	492,835	44.68	33.42	
May-43	129,897	319,606	3.29	2.46	14,764	490,836	44.44	33.25	
Jun-43	130,080	842,368	8.66	6.48	14,781	649,691	58.76	43.95	
Jul-43	130,263	1,708,295	17.53	13.11	14,799	873,113	78.87	59.00	
Aug-43	130,449	2,950,355	30.23	22.62	14,817	1,282,747	115.73	86.57	
Sep-43	130,636	3,011,638	30.82	23.05	14,835	1,276,553	115.03	86.05	
Oct-43	130,823	2,272,920	23.23	17.37	14,853	1,265,514	113.90	85.20	
Nov-43	131,009	1,152,847	11.76	8.80	14,871	804,996	72.37	54.13	
Dec-43	131,196	406,778	4.14	3.10	14,888	524,411	47.09	35.22	
Jan-44	131,480	246,186	2.50	1.87	14,906	496,688	44.54	33.32	
Feb-44	131,667	333,472	3.39	2.53	14,924	500,463	44.83	33.53	
Mar-44	131,854	263,027	2.67	1.99	14,942	503,094	45.01	33.67	
Apr-44	132,041	316,917	3.21	2.40	14,960	504,063	45.04	33.69	
May-44	132,227	337,467	3.41	2.55	14,978	503,045	44.90	33.59	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics								
Month	Suez Residential Customers	Residential Water Sales (1,000 Gal.)	Residential Use per Customer (100 Cu. Ft)	Residential Use per Customer (1,000 Gal.)	Suez Commercial Customers	Commercial Water Sales (1,000 Gal.)	Commercial Use per Customer (100 Cu. Ft)	Commercial Use per Customer (1,000 Gal.)	
Jun-44	132,414	870,527	8.79	6.57	14,996	664,652	59.25	44.32	
Jul-44	132,601	1,748,265	17.63	13.18	15,013	890,840	79.32	59.34	
Aug-44	132,792	3,012,625	30.33	22.69	15,031	1,306,383	116.18	86.91	
Sep-44	132,983	3,075,012	30.91	23.12	15,049	1,300,079	115.48	86.39	
Oct-44	133,174	2,319,456	23.28	17.42	15,067	1,287,845	114.26	85.47	
Nov-44	133,365	1,181,098	11.84	8.86	15,085	820,665	72.73	54.40	
Dec-44	133,556	423,213	4.24	3.17	15,103	536,227	47.46	35.50	
Jan-45	133,846	256,375	2.56	1.92	15,121	507,893	44.90	33.59	
Feb-45	134,037	346,941	3.46	2.59	15,139	511,714	45.19	33.80	
Mar-45	134,228	273,491	2.72	2.04	15,157	514,373	45.37	33.94	
Apr-45	134,419	329,479	3.28	2.45	15,175	515,347	45.40	33.96	
May-45	134,610	355,428	3.53	2.64	15,192	515,317	45.34	33.92	
Jun-45	134,801	898,988	8.92	6.67	15,210	679,684	59.74	44.69	
Jul-45	134,992	1,788,894	17.72	13.25	15,228	908,643	79.76	59.67	
Aug-45	135,187	3,076,055	30.42	22.75	15,246	1,330,114	116.63	87.24	
Sep-45	135,383	3,139,571	31.00	23.19	15,264	1,323,699	115.93	86.72	
Oct-45	135,578	2,366,829	23.34	17.46	15,282	1,310,262	114.62	85.74	
Nov-45	135,773	1,209,706	11.91	8.91	15,300	836,401	73.08	54.67	
Dec-45	135,968	439,682	4.32	3.23	15,318	548,099	47.83	35.78	
Jan-46	136,264	266,581	2.62	1.96	15,336	519,150	45.25	33.85	
Feb-46	136,460	360,437	3.53	2.64	15,354	523,016	45.54	34.06	
Mar-46	136,655	283,978	2.78	2.08	15,372	525,705	45.72	34.20	
Apr-46	136,850	342,070	3.34	2.50	15,390	526,683	45.75	34.22	
May-46	137,046	373,486	3.64	2.73	15,408	527,649	45.78	34.25	
Jun-46	137,241	828,661	8.07	6.04	15,426	672,212	58.25	43.58	
Jul-46	137,437	1,759,434	17.11	12.80	15,444	905,823	78.41	58.65	
Aug-46	137,636	3,069,928	29.82	22.30	15,462	1,333,252	115.27	86.23	
Sep-46	137,836	3,134,618	30.40	22.74	15,480	1,326,738	114.57	85.71	
Oct-46	138,035	2,359,626	22.85	17.09	15,498	1,316,234	113.53	84.93	
Nov-46	138,235	1,165,174	11.27	8.43	15,516	835,680	72.00	53.86	
Dec-46	138,435	366,874	3.54	2.65	15,534	542,687	46.70	34.94	
Jan-47	138,737	220,252	2.12	1.59	15,552	513,956	44.18	33.05	
Feb-47	138,937	300,464	2.89	2.16	15,570	517,878	44.46	33.26	
Mar-47	139,136	237,969	2.29	1.71	15,588	520,604	44.65	33.40	
Apr-47	139,336	286,885	2.75	2.06	15,606	521,597	44.68	33.42	
May-47	139,536	299,851	2.87	2.15	15,624	519,458	44.45	33.25	Forecast
Jun-47	139,736	858,020	8.21	6.14	15,642	687,538	58.76	43.95	Data
Jul-47	139,936	1,801,620	17.21	12.87	15,660	923,921	78.87	59.00	
Aug-47	140,140	3,135,944	29.91	22.38	15,678	1,357,314	115.73	86.57	
Sep-47	140,344	3,201,812	30.50	22.81	15,696	1,350,689	115.03	86.05	
Oct-47	140,548	2,408,873	22.91	17.14	15,714	1,338,937	113.90	85.21	
Nov-47	140,752	1,194,722	11.35	8.49	15,732	851,661	72.37	54.13	
Dec-47	140,956	383,658	3.64	2.72	15,750	554,787	47.09	35.22	
Jan-48	141,265	230,646	2.18	1.63	15,769	525,431	44.54	33.32	
Feb-48	141,469	314,215	2.97	2.22	15,787	529,398	44.83	33.53	
Mar-48	141,673	248,656	2.35	1.76	15,805	532,153	45.01	33.67	
Apr-48	141,877	299,716	2.82	2.11	15,823	533,151	45.04	33.70	
May-48	142,082	318,355	3.00	2.24	15,841	532,050	44.90	33.59	
Jun-48	142,286	887,690	8.34	6.24	15,859	702,935	59.25	44.32	
Jul-48	142,490	1,844,500	17.30	12.94	15,877	942,097	79.32	59.34	
Aug-48	142,699	3,203,182	30.01	22.45	15,895	1,381,455	116.18	86.91	
Sep-48	142,907	3,270,254	30.59	22.88	15,913	1,374,701	115.49	86.39	
Oct-48	143,116	2,458,997	22.97	17.18	15,931	1,361,676	114.26	85.47	
Nov-48	143,325	1,224,641	11.42	8.54	15,949	867,663	72.73	54.40	

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Dec-48	143,533	400,468	3.73	2.79	15,967	566,905	47.46	35.51	
Jan-49	143,848	241,052	2.24	1.68	15,985	536,916	44.90	33.59	
Feb-49	144,057	327,985	3.04	2.28	16,002	540,921	45.19	33.80	
Mar-49	144,266	259,360	2.40	1.80	16,020	543,699	45.37	33.94	
Apr-49	144,475	312,568	2.89	2.16	16,038	544,694	45.40	33.96	
May-49	144,683	336,952	3.11	2.33	16,056	544,632	45.34	33.92	
Jun-49	144,892	917,675	8.47	6.33	16,074	718,301	59.74	44.69	
Jul-49	145,101	1,888,084	17.39	13.01	16,092	960,202	79.77	59.67	
Aug-49	145,314	3,271,663	30.10	22.51	16,110	1,405,495	116.63	87.24	
Sep-49	145,528	3,339,964	30.68	22.95	16,128	1,398,630	115.93	86.72	
Oct-49	145,741	2,510,013	23.02	17.22	16,146	1,384,343	114.62	85.74	
Nov-49	145,954	1,254,934	11.49	8.60	16,164	883,640	73.08	54.67	
Dec-49	146,168	417,302	3.82	2.85	16,182	579,024	47.83	35.78	
Jan-50	146,489	251,467	2.29	1.72	16,200	438,727	36.20	27.08	
Feb-50	146,702	341,773	3.11	2.33	16,218	524,836	43.26	32.36	
Mar-50	146,916	270,081	2.46	1.84	16,236	499,738	41.15	30.78	
Apr-50	147,129	325,438	2.96	2.21	16,254	528,451	43.46	32.51	
May-50	147,343	355,643	3.23	2.41	16,272	529,391	43.49	32.53	
Jun-50	147,556	886,483	8.03	6.01	16,290	713,355	58.54	43.79	
Jul-50	147,770	1,888,469	17.08	12.78	16,308	965,760	79.17	59.22	
Aug-50	147,988	3,297,504	29.79	22.28	16,326	1,417,012	116.03	86.80	
Sep-50	148,206	3,367,074	30.37	22.72	16,344	1,410,043	115.33	86.27	
Oct-50	148,424	2,527,534	22.76	17.03	16,362	1,257,314	102.72	76.84	
Nov-50	148,642	1,239,985	11.15	8.34	16,380	845,128	68.97	51.59	
Dec-50	148,860	378,724	3.40	2.54	16,398	564,038	45.98	34.40	
Jan-51	149,187	226,790	2.03	1.52	16,416	549,892	44.78	33.50	
Feb-51	149,406	309,959	2.77	2.07	16,434	553,994	45.06	33.71	
Mar-51	149,624	245,734	2.20	1.64	16,452	556,835	45.25	33.85	
Apr-51	149,842	296,240	2.64	1.98	16,470	557,845	45.28	33.87	
May-51	150,060	317,450	2.83	2.12	16,488	557,390	45.19	33.81	
Jun-51	150,278	917,267	8.16	6.10	16,506	735,546	59.57	44.56	
Jul-51	150,497	1,933,608	17.18	12.85	16,524	984,099	79.61	59.55	
Aug-51	150,719	3,368,645	29.88	22.35	16,542	1,441,319	116.47	87.13	
Sep-51	150,942	3,439,499	30.46	22.79	16,561	1,434,239	115.78	86.61	
Oct-51	151,165	2,580,462	22.82	17.07	16,579	1,419,916	114.49	85.65	
Nov-51	151,388	1,271,156	11.22	8.40	16,597	905,781	72.96	54.58	Forecast
Dec-51	151,611	395,736	3.49	2.61	16,615	592,923	47.71	35.69	Data
Jan-52	151,945	237,307	2.09	1.56	16,633	561,553	45.13	33.76	
Feb-52	152,168	323,890	2.85	2.13	16,651	565,700	45.42	33.97	
Mar-52	152,391	256,569	2.25	1.68	16,669	568,569	45.60	34.11	
Apr-52	152,614	309,247	2.71	2.03	16,687	569,583	45.63	34.13	
May-52	152,837	336,470	2.94	2.20	16,705	570,211	45.63	34.13	
Jun-52	153,060	948,376	8.28	6.20	16,723	751,193	60.05	44.92	
Jul-52	153,283	1,979,485	17.26	12.91	16,741	1,002,506	80.05	59.88	
Aug-52	153,511	3,441,091	29.97	22.42	16,760	1,465,713	116.91	87.46	
Sep-52	153,738	3,513,255	30.55	22.85	16,778	1,458,520	116.21	86.93	
Oct-52	153,966	2,634,324	22.87	17.11	16,796	1,442,897	114.84	85.91	
Nov-52	154,194	1,302,712	11.29	8.45	16,814	922,011	73.31	54.84	
Dec-52	154,422	412,761	3.57	2.67	16,832	605,267	48.07	35.96	
Jan-53	154,763	247,827	2.14	1.60	16,850	573,259	45.48	34.02	
Feb-53	154,991	337,829	2.91	2.18	16,868	577,451	45.76	34.23	
Mar-53	155,219	267,413	2.30	1.72	16,887	580,348	45.94	34.37	
Apr-53	155,447	322,266	2.77	2.07	16,905	581,367	45.97	34.39	
May-53	155,675	355,580	3.05	2.28	16,923	583,082	46.06	34.46	

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Jun-53	155,902	979,815	8.40	6.28	16,941	766,900	60.52	45.27	
Jul-53	156,130	2,026,112	17.35	12.98	16,959	1,020,980	80.48	60.20	
Aug-53	156,363	3,514,864	30.05	22.48	16,977	1,490,192	117.34	87.78	
Sep-53	156,596	3,588,368	30.63	22.91	16,996	1,482,886	116.64	87.25	
Oct-53	156,828	2,689,135	22.92	17.15	17,014	1,465,956	115.18	86.16	
Nov-53	157,061	1,334,658	11.36	8.50	17,032	938,300	73.65	55.09	
Dec-53	157,294	429,797	3.65	2.73	17,050	617,658	48.43	36.23	
Jan-54	157,642	258,347	2.19	1.64	17,068	585,009	45.82	34.27	
Feb-54	157,875	351,774	2.98	2.23	17,087	589,247	46.10	34.49	
Mar-54	158,108	278,264	2.35	1.76	17,105	592,172	46.28	34.62	
Apr-54	158,341	335,293	2.83	2.12	17,123	593,195	46.31	34.64	
May-54	158,574	374,781	3.16	2.36	17,141	596,004	46.48	34.77	
Jun-54	158,806	947,633	7.98	5.97	17,159	768,661	59.88	44.80	
Jul-54	159,039	2,027,831	17.04	12.75	17,178	1,026,680	79.90	59.77	
Aug-54	159,286	3,544,522	29.75	22.25	17,196	1,501,924	116.76	87.34	
Sep-54	159,532	3,619,603	30.33	22.69	17,214	1,494,514	116.06	86.82	
Oct-54	159,778	2,709,569	22.67	16.96	17,232	1,478,843	114.72	85.82	
Nov-54	160,025	1,319,834	11.03	8.25	17,251	944,403	73.19	54.75	
Dec-54	160,271	389,291	3.25	2.43	17,269	619,345	47.94	35.86	
Jan-55	160,635	232,433	1.93	1.45	17,287	586,573	45.36	33.93	
Feb-55	160,882	318,396	2.65	1.98	17,305	590,862	45.64	34.14	
Mar-55	161,128	252,740	2.10	1.57	17,324	593,823	45.82	34.28	
Apr-55	161,375	304,696	2.52	1.89	17,342	594,857	45.85	34.30	
May-55	161,621	334,986	2.77	2.07	17,360	596,220	45.91	34.34	
Jun-55	161,868	980,461	8.10	6.06	17,378	784,599	60.35	45.15	
Jul-55	162,114	2,077,421	17.13	12.81	17,397	1,045,392	80.33	60.09	
Aug-55	162,366	3,623,435	29.83	22.32	17,415	1,526,678	117.19	87.66	
Sep-55	162,618	3,699,965	30.42	22.75	17,433	1,519,154	116.49	87.14	
Oct-55	162,870	2,768,174	22.72	17.00	17,452	1,502,143	115.07	86.07	
Nov-55	163,122	1,353,549	11.09	8.30	17,470	960,890	73.53	55.00	
Dec-55	163,373	406,730	3.33	2.49	17,488	631,915	48.30	36.13	
Jan-56	163,745	243,187	1.99	1.49	17,507	598,493	45.70	34.19	
Feb-56	163,997	332,668	2.71	2.03	17,525	602,828	45.98	34.40	
Mar-56	164,249	263,853	2.15	1.61	17,543	605,818	46.16	34.53	
Apr-56	164,501	318,039	2.58	1.93	17,561	606,856	46.19	34.56	
May-56	164,753	354,734	2.88	2.15	17,580	609,342	46.34	34.66	Forecast
Jun-56	165,005	1,013,715	8.21	6.14	17,598	800,595	60.82	45.49	Data
Jul-56	165,257	2,127,856	17.21	12.88	17,616	1,064,169	80.75	60.41	
Aug-56	165,515	3,703,837	29.91	22.38	17,635	1,551,516	117.61	87.98	
Sep-56	165,772	3,781,847	30.50	22.81	17,653	1,543,878	116.91	87.46	
Oct-56	166,029	2,827,841	22.77	17.03	17,672	1,525,522	115.40	86.33	
Nov-56	166,287	1,387,705	11.16	8.35	17,690	977,435	73.86	55.25	
Dec-56	166,544	424,186	3.40	2.55	17,708	644,530	48.66	36.40	
Jan-57	166,924	253,946	2.03	1.52	17,727	610,456	46.04	34.44	
Feb-57	167,181	346,953	2.77	2.08	17,745	614,837	46.32	34.65	
Mar-57	167,439	274,978	2.20	1.64	17,763	617,855	46.50	34.78	
Apr-57	167,696	331,396	2.64	1.98	17,782	618,897	46.53	34.81	
May-57	167,954	374,593	2.98	2.23	17,800	622,512	46.75	34.97	
Jun-57	168,212	1,047,351	8.32	6.23	17,818	816,648	61.27	45.83	
Jul-57	168,469	2,179,147	17.29	12.94	17,837	1,083,012	81.17	60.72	
Aug-57	168,732	3,785,754	29.99	22.44	17,855	1,576,439	118.03	88.29	
Sep-57	168,995	3,865,275	30.58	22.87	17,874	1,568,687	117.33	87.76	
Oct-57	169,258	2,888,588	22.81	17.07	17,892	1,548,980	115.73	86.57	
Nov-57	169,521	1,422,305	11.22	8.39	17,911	994,038	74.19	55.50	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics								
Month	Suez Residential Customers	Residential Water Sales (1,000 Gal.)	Residential Use per Customer (100 Cu. Ft)	Residential Use per Customer (1,000 Gal.)	Suez Commercial Customers	Commercial Water Sales (1,000 Gal.)	Commercial Use per Customer (100 Cu. Ft)	Commercial Use per Customer (1,000 Gal.)	
Dec-57	169,784	441,656	3.48	2.60	17,929	657,189	49.00	36.66	
Jan-58	170,172	264,707	2.08	1.56	17,947	622,462	46.36	34.68	
Feb-58	170,435	361,246	2.83	2.12	17,966	626,888	46.65	34.89	
Mar-58	170,698	286,113	2.24	1.68	17,984	629,935	46.82	35.03	
Apr-58	170,961	344,764	2.70	2.02	18,003	630,981	46.85	35.05	
May-58	171,225	394,561	3.08	2.30	18,021	635,730	47.16	35.28	
Jun-58	171,488	1,014,643	7.91	5.92	18,040	818,531	60.66	45.37	
Jul-58	171,751	2,183,656	17.00	12.71	18,058	1,088,876	80.61	60.30	
Aug-58	172,020	3,821,564	29.70	22.22	18,077	1,588,413	117.47	87.87	
Sep-58	172,289	3,902,639	30.28	22.65	18,095	1,580,556	116.77	87.35	
Oct-58	172,557	2,913,091	22.57	16.88	18,114	1,562,106	115.29	86.24	
Nov-58	172,826	1,407,830	10.89	8.15	18,132	1,000,292	73.75	55.17	
Dec-58	173,095	398,954	3.08	2.30	18,151	658,976	48.53	36.31	
Jan-59	173,491	237,356	1.83	1.37	18,169	624,120	45.92	34.35	
Feb-59	173,760	326,010	2.51	1.88	18,187	628,599	46.20	34.56	
Mar-59	174,029	259,158	1.99	1.49	18,206	631,682	46.38	34.70	
Apr-59	174,298	312,432	2.40	1.79	18,224	632,739	46.41	34.72	
May-59	174,567	352,754	2.70	2.02	18,243	636,042	46.61	34.87	
Jun-59	174,836	1,049,149	8.02	6.00	18,261	834,818	61.11	45.71	
Jul-59	175,105	2,236,772	17.08	12.77	18,280	1,107,960	81.02	60.61	
Aug-59	175,379	3,906,655	29.78	22.28	18,299	1,613,617	117.88	88.18	
Sep-59	175,654	3,989,307	30.36	22.71	18,317	1,605,644	117.18	87.66	
Oct-59	175,929	2,976,101	22.61	16.92	18,336	1,585,811	115.62	86.49	
Nov-59	176,203	1,443,405	10.95	8.19	18,354	1,017,097	74.08	55.42	
Dec-59	176,478	416,523	3.16	2.36	18,373	671,817	48.88	36.57	
Jan-60	176,882	248,165	1.88	1.40	18,391	636,298	46.25	34.60	
Feb-60	177,157	340,379	2.57	1.92	18,410	640,823	46.53	34.81	
Mar-60	177,432	270,356	2.04	1.52	18,428	643,934	46.71	34.94	
Apr-60	177,706	325,876	2.45	1.83	18,447	644,996	46.74	34.96	
May-60	177,981	373,024	2.80	2.10	18,465	649,462	47.02	35.17	
Jun-60	178,256	1,084,045	8.13	6.08	18,484	851,160	61.56	46.05	
Jul-60	178,531	2,290,784	17.15	12.83	18,503	1,127,109	81.43	60.92	
Aug-60	178,812	3,993,335	29.85	22.33	18,521	1,638,905	118.29	88.49	
Sep-60	179,092	4,077,598	30.44	22.77	18,540	1,630,817	117.59	87.96	
Oct-60	179,373	3,040,240	22.66	16.95	18,558	1,609,596	115.94	86.73	
Nov-60	179,653	1,479,434	11.01	8.23	18,577	1,033,958	74.40	55.66	Forecast
Dec-60	179,934	434,087	3.23	2.41	18,596	684,701	49.22	36.82	Data
Jan-61	180,347	258,965	1.92	1.44	18,614	648,517	46.57	34.84	
Feb-61	180,627	354,741	2.63	1.96	18,633	653,088	46.86	35.05	
Mar-61	180,908	281,552	2.08	1.56	18,652	656,228	47.03	35.18	
Apr-61	181,189	339,317	2.50	1.87	18,670	657,293	47.06	35.21	
May-61	181,470	393,395	2.90	2.17	18,689	662,928	47.42	35.47	
Jun-61	181,751	1,119,333	8.23	6.16	18,707	867,557	61.99	46.38	
Jul-61	182,032	2,345,706	17.23	12.89	18,726	1,146,321	81.83	61.22	
Aug-61	182,318	4,081,632	29.93	22.39	18,745	1,664,279	118.69	88.79	
Sep-61	182,605	4,167,539	30.51	22.82	18,763	1,656,075	117.99	88.26	
Oct-61	182,892	3,105,526	22.70	16.98	18,782	1,633,461	116.26	86.97	
Nov-61	183,178	1,515,922	11.06	8.28	18,801	1,050,876	74.72	55.90	
Dec-61	183,465	451,642	3.29	2.46	18,819	697,628	49.56	37.07	
Jan-62	183,886	269,751	1.96	1.47	18,838	660,777	46.89	35.08	
Feb-62	184,173	369,093	2.68	2.00	18,857	665,393	47.17	35.29	
Mar-62	184,460	292,743	2.12	1.59	18,875	668,563	47.35	35.42	
Apr-62	184,747	352,752	2.55	1.91	18,894	669,632	47.38	35.44	
May-62	185,034	413,867	2.99	2.24	18,913	676,437	47.81	35.77	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics								
Month	Suez Residential Customers	Residential Water Sales (1,000 Gal.)	Residential Use per Customer (100 Cu. Ft)	Residential Use per Customer (1,000 Gal.)	Suez Commercial Customers	Commercial Water Sales (1,000 Gal.)	Commercial Use per Customer (100 Cu. Ft)	Commercial Use per Customer (1,000 Gal.)	
Jun-62	185,321	1,085,339	7.83	5.86	18,931	869,582	61.40	45.93	
Jul-62	185,608	2,351,790	16.94	12.67	18,950	1,152,372	81.29	60.81	
Aug-62	185,900	4,121,819	29.64	22.17	18,969	1,676,521	118.15	88.38	
Sep-62	186,193	4,209,415	30.22	22.61	18,988	1,668,211	117.45	87.86	
Oct-62	186,486	3,132,983	22.46	16.80	19,006	1,646,850	115.83	86.65	
Nov-62	186,779	1,501,158	10.74	8.04	19,025	1,057,301	74.29	55.57	
Dec-62	187,072	406,338	2.90	2.17	19,044	699,530	49.10	36.73	
Jan-63	187,502	240,722	1.72	1.28	19,063	662,544	46.46	34.76	
Feb-63	187,795	331,702	2.36	1.77	19,081	667,214	46.74	34.97	
Mar-63	188,088	264,142	1.88	1.40	19,100	670,420	46.92	35.10	
Apr-63	188,381	318,443	2.26	1.69	19,119	671,501	46.95	35.12	
May-63	188,674	369,810	2.62	1.96	19,138	676,864	47.28	35.37	
Jun-63	188,967	1,121,512	7.93	5.93	19,156	886,216	61.84	46.26	
Jul-63	189,261	2,408,637	17.01	12.73	19,175	1,171,830	81.70	61.11	
Aug-63	189,560	4,213,493	29.71	22.23	19,194	1,702,182	118.55	88.68	
Sep-63	189,859	4,302,804	30.30	22.66	19,213	1,693,755	117.85	88.16	
Oct-63	190,158	3,200,664	22.50	16.83	19,231	1,670,970	116.15	86.89	
Nov-63	190,457	1,538,642	10.80	8.08	19,250	1,074,426	74.61	55.81	
Dec-63	190,757	423,936	2.97	2.22	19,269	712,641	49.44	36.98	
Jan-64	191,195	251,521	1.76	1.32	19,288	674,978	46.78	34.99	
Feb-64	191,495	346,083	2.42	1.81	19,307	679,695	47.06	35.21	
Mar-64	191,794	275,361	1.92	1.44	19,326	682,930	47.24	35.34	
Apr-64	192,094	331,911	2.31	1.73	19,344	684,014	47.27	35.36	
May-64	192,393	390,557	2.71	2.03	19,363	690,579	47.68	35.66	Forecast
Jun-64	192,693	1,158,082	8.03	6.01	19,382	902,903	62.27	46.58	Data
Jul-64	192,992	2,466,434	17.08	12.78	19,401	1,191,352	82.09	61.41	
Aug-64	193,298	4,306,863	29.79	22.28	19,420	1,727,928	118.95	88.98	
Sep-64	193,603	4,397,925	30.37	22.72	19,439	1,719,384	118.24	88.45	
Oct-64	193,909	3,269,543	22.54	16.86	19,457	1,695,170	116.47	87.12	
Nov-64	194,215	1,576,595	10.85	8.12	19,476	1,091,606	74.93	56.05	
Dec-64	194,520	441,504	3.03	2.27	19,495	725,794	49.77	37.23	
Jan-65	194,968	262,292	1.80	1.35	19,514	687,452	47.09	35.23	
Feb-65	195,274	360,436	2.47	1.85	19,533	692,215	47.37	35.44	
Mar-65	195,580	286,562	1.96	1.47	19,552	695,479	47.55	35.57	
Apr-65	195,886	345,357	2.36	1.76	19,571	696,567	47.58	35.59	
May-65	196,191	411,394	2.80	2.10	19,590	704,336	48.06	35.95	
Jun-65	196,497	1,195,054	8.13	6.08	19,608	919,643	62.70	46.90	
Jul-65	196,803	2,525,194	17.15	12.83	19,627	1,210,937	82.48	61.70	
Aug-65	197,115	4,401,956	29.85	22.33	19,646	1,753,754	119.33	89.27	
Sep-65	197,427	4,494,806	30.43	22.77	19,665	1,745,086	118.63	88.74	
Oct-65	197,740	3,339,639	22.58	16.89	19,684	1,719,433	116.77	87.35	
Nov-65	198,052	1,615,019	10.90	8.15	19,703	1,108,828	75.23	56.28	
Dec-65	198,364	459,035	3.09	2.31	19,722	738,976	50.09	37.47	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics							
Month	Public Authority Customers	Public Authority Water Sales (100 Cu. Ft)	Actual Public Authority Water Sales (1,000 Gal.)	Other Water Sales (100 Cu. Ft)	Other Water Sales (1,000 Gal.)	Suez Total Customers	Total Water Sales (1,000 Gal.)	
Jan-95	100	188	141			53,323	515,173	
Feb-95	100	709	530			53,477	514,196	
Mar-95	100	136	102			53,632	436,318	
Apr-95	100	692	518			53,802	473,107	
May-95	103	1,463	1,094			54,078	548,565	
Jun-95	104	2,571	1,923			54,260	734,122	
Jul-95	105	7,423	5,552			54,357	1,241,337	
Aug-95	106	15,732	11,768			54,494	1,745,110	
Sep-95	105	12,595	9,422			54,619	1,808,806	
Oct-95	104	17,620	13,181			54,650	1,690,008	
Nov-95	66	3,829	2,864			54,509	1,227,818	
Dec-95	46	2,724	2,038			54,476	738,376	
Jan-96	29	618	462			54,586	583,998	
Feb-96	29	1,061	794			54,606	502,922	
Mar-96	29	201	150			54,632	529,958	
Apr-96	61	1,322	989			54,802	512,788	
May-96	106	1,102	825			55,153	606,620	
Jun-96	107	3,574	2,674			55,372	825,146	
Jul-96	107	14,008	10,479			55,602	1,368,206	
Aug-96	107	14,979	11,205			55,656	1,863,019	
Sep-96	107	19,784	14,800			55,838	2,122,979	
Oct-96	107	17,825	13,334			55,703	1,768,591	
Nov-96	107	15,405	11,524			55,612	1,243,367	
Dec-96	36	1,505	1,126			56,005	730,367	
Jan-97	33	237	177	3,903	2,920	56,070	564,375	
Feb-97	33	740	554	49	37	56,148	519,685	
Mar-97	32	158	118	2,866	2,144	55,957	528,184	
Apr-97	66	842	630	698	522	57,022	468,013	
May-97	106	2,810	2,102	4,225	3,161	57,276	749,245	
Jun-97	105	7,714	5,770	2,111	1,579	57,363	1,007,907	
Jul-97	107	9,577	7,164	1,401	1,048	57,604	1,576,976	
Aug-97	107	15,102	11,297	4,026	3,012	57,778	1,613,136	
Sep-97	107	9,841	7,362	4,535	3,392	57,901	2,084,511	
Oct-97	105	13,910	10,405	6,787	5,077	58,014	1,615,057	
Nov-97	104	8,592	6,427	4,402	3,293	57,873	1,362,060	Historic
Dec-97	32	3,913	2,927	15,362	11,492	57,730	761,328	Data
Jan-98	31	391	292	1,092	817	57,998	586,650	
Feb-98	31	625	468	118	88	58,042	525,476	
Mar-98	31	214	160	898	672	58,038	522,161	
Apr-98	36	593	444	1,331	996	58,245	502,482	
May-98	105	1,863	1,394	3,649	2,730	58,668	677,362	
Jun-98	106	3,602	2,694	1,403	1,050	58,606	833,815	
Jul-98	108	4,736	3,543	3,888	2,908	58,878	1,180,790	
Aug-98	120	9,734	7,282	2,101	1,572	58,858	1,550,052	
Sep-98	124	11,190	8,371	6,588	4,928	59,100	2,259,688	
Oct-98	119	15,454	11,560	610	456	59,544	1,756,738	
Nov-98	124	8,342	6,240	3,890	2,910	59,860	1,350,094	
Dec-98	123	5,099	3,814	1,898	1,420	59,310	916,931	
Jan-99	43	1,232	922	642	480	63,381	641,995	
Feb-99	43	931	696	313	234	63,408	562,744	
Mar-99	45	690	516	451	337	63,772	532,431	
Apr-99	130	1,559	1,166	1,148	859	64,214	624,728	
May-99	130	8,138	6,088	1,783	1,334	64,320	692,196	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics							
Month	Public Authority Customers	Public Authority Water Sales (100 Cu. Ft)	Actual Public Authority Water Sales (1,000 Gal.)	Other Water Sales (100 Cu. Ft)	Other Water Sales (1,000 Gal.)	Suez Total Customers	Total Water Sales (1,000 Gal.)	
Jun-99	130	8,429	6,305	2,245	1,679	64,604	1,586,431	
Jul-99	131	26,949	20,159	24,712	18,486	64,775	1,779,112	
Aug-99	130	12,190	9,119	8,215	6,145	64,952	2,620,168	
Sep-99	130	18,980	14,198	4,423	3,309	65,054	2,013,709	
Oct-99	131	8,615	6,444	7,744	5,793	65,175	1,853,970	
Nov-99	70	9,063	6,780	7,823	5,852	65,195	1,175,318	
Dec-99	50	1,179	882	2,638	1,973	66,121	825,625	
Jan-00	49	814	609	3,400	2,543	66,528	609,526	
Feb-00	48	766	573	536	401	66,633	573,816	
Mar-00	49	765	572	2,120	1,586	66,871	547,815	
Apr-00	131	1,267	948	985	737	67,190	602,693	
May-00	131	7,904	5,913	3,747	2,803	67,434	954,087	
Jun-00	131	12,414	9,286	4,568	3,417	67,781	1,520,469	
Jul-00	131	27,039	20,227	4,214	3,152	68,058	2,000,146	
Aug-00	131	24,445	18,286	10,537	7,882	68,306	2,581,504	
Sep-00	131	27,410	20,504	4,790	3,583	68,463	2,199,603	
Oct-00	130	9,207	6,887	11,162	8,350	68,555	1,827,870	
Nov-00	130	10,336	7,732	5,776	4,321	68,635	816,980	
Dec-00	45	1,310	980	2,450	1,833	68,534	807,062	
Jan-01	45	1,156	865	4,343	3,249	68,698	497,750	
Feb-01	45	274	205	132	99	68,831	683,481	
Mar-01	45	1,265	946	3,002	2,246	68,932	555,847	
Apr-01	122	380	284	0	0	69,406	611,259	
May-01	122	5,667	4,239	3,512	2,627	69,618	723,807	
Jun-01	121	10,013	7,490	2,440	1,825	69,804	1,332,436	
Jul-01	123	29,110	21,776	8,915	6,669	69,950	2,172,300	
Aug-01	123	14,893	11,141	3,814	2,853	70,075	2,300,985	
Sep-01	123	27,563	20,619	7,010	5,244	70,366	2,003,475	
Oct-01	123	14,054	10,513	4,653	3,481	70,463	2,108,067	
Nov-01	123	19,349	14,474	5,223	3,907	70,506	1,254,694	
Dec-01	124	7,048	5,272	10,308	7,711	70,562	858,400	
Jan-02	124	1,416	1,059	2,615	1,956	70,654	578,530	
Feb-02	45	283	212	676	506	70,720	612,653	
Mar-02	45	1,309	979	688	515	70,852	510,639	
Apr-02	125	300	224	1,565	1,171	71,285	641,653	
May-02	126	8,989	6,724	6,975	5,218	71,421	683,302	Historic
Jun-02	126	10,305	7,709	9,414	7,043	71,618	1,460,252	Data
Jul-02	126	33,208	24,841	6,282	4,699	71,733	1,942,475	
Aug-02	126	16,625	12,436	6,194	4,633	71,808	2,184,908	
Sep-02	126	32,780	24,521	15,835	11,845	71,821	2,368,673	
Oct-02	126	12,871	9,628	26,555	19,865	71,849	1,921,620	
Nov-02	126	13,093	9,794	1,100	823	71,972	1,266,354	
Dec-02	126	3,470	2,596	3,001	2,245	71,978	813,600	
Jan-03	127	1,749	1,308	1,908	1,428	72,091	614,373	
Feb-03	127	386	289	577	432	72,291	623,728	
Mar-03	128	1,347	1,008	4,175	3,123	72,610	485,793	
Apr-03	128	747	559	1,128	844	72,762	578,631	
May-03	128	4,325	3,235	3,520	2,633	73,088	637,265	
Jun-03	129	7,195	5,382	2,289	1,713	73,346	1,147,027	
Jul-03	125	24,787	18,542	10,256	7,672	73,488	1,763,513	
Aug-03	125	18,747	14,024	2,745	2,054	73,638	2,506,223	
Sep-03	125	27,138	20,301	6,392	4,782	73,742	2,285,685	
Oct-03	125	14,347	10,732	7,908	5,916	73,862	1,945,102	
Nov-03	125	14,732	11,020	5,148	3,851	74,036	1,414,264	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics							
Month	Public Authority Customers	Public Authority Water Sales (100 Cu. Ft)	Actual Public Authority Water Sales (1,000 Gal.)	Other Water Sales (100 Cu. Ft)	Other Water Sales (1,000 Gal.)	Suez Total Customers	Total Water Sales (1,000 Gal.)	
Dec-03	125	1,596	1,194	4,170	3,119	74,177	889,622	
Jan-04	125	1,579	1,181	0	0	74,337	561,816	
Feb-04	125	638	477	1,665	1,246	74,454	606,033	
Mar-04	125	1,333	997	6,089	4,555	74,697	519,489	
Apr-04	125	2,604	1,948	2,525	1,889	74,930	691,343	
May-04	125	10,002	7,482	4,021	3,008	75,074	931,044	
Jun-04	125	8,494	6,354	2,597	1,943	75,192	1,358,881	
Jul-04	125	20,952	15,673	3,790	2,835	75,400	1,639,708	
Aug-04	125	16,246	12,153	3,010	2,252	75,612	2,311,221	
Sep-04	125	28,669	21,446	3,407	2,549	75,839	2,195,752	
Oct-04	125	10,339	7,734	7,053	5,276	76,113	1,846,350	
Nov-04	125	11,666	8,727	3,556	2,660	76,274	1,246,534	
Dec-04	125	2,711	2,028	581	435	76,388	858,144	
Jan-05	125	1,055	789	1,932	1,445	76,581	546,003	
Feb-05	125	733	548	1,750	1,309	76,784	598,059	
Mar-05	124	1,242	929	1,393	1,042	77,029	502,442	
Apr-05	124	1,484	1,110	2,040	1,526	77,223	635,714	
May-05	124	5,509	4,121	2,064	1,544	77,534	703,236	
Jun-05	124	4,422	3,308	2,325	1,739	77,771	991,643	
Jul-05	124	17,635	13,192	3,609	2,700	78,010	1,369,269	
Aug-05	124	14,928	11,167	6,390	4,780	78,255	2,238,508	
Sep-05	124	30,535	22,842	8,120	6,074	78,480	2,441,339	
Oct-05	124	9,934	7,431	7,950	5,947	78,641	1,999,367	
Nov-05	125	9,705	7,260	3,134	2,345	78,746	1,166,930	
Dec-05	125	698	522	1,753	1,311	78,892	795,924	
Jan-06	126	1,168	874	523	391	79,160	561,900	
Feb-06	126	188	141	237	177	79,334	650,833	
Mar-06	126	1,429	1,069	995	744	79,889	501,317	
Apr-06	126	192	144	1,768	1,323	80,061	626,787	
May-06	126	4,240	3,172	2,220	1,660	80,418	633,717	
Jun-06	126	4,835	3,617	5,996	4,485	80,672	1,266,450	
Jul-06	126	22,163	16,579	3,498	2,617	80,880	1,725,091	
Aug-06	126	12,831	9,598	12,307	9,206	81,124	2,352,966	
Sep-06	126	29,335	21,944	8,208	6,140	81,363	2,427,857	
Oct-06	126	10,392	7,774	19,865	14,860	81,519	1,998,801	
Nov-06	126	10,329	7,727	4,120	3,082	81,657	1,314,581	Historic
Dec-06	126	836	625	1,518	1,135	81,795	818,273	Data
Jan-07	126	1,535	1,148	823	616	81,886	571,996	
Feb-07	126	1,041	779	368	275	82,019	654,172	
Mar-07	124	1,881	1,407	749	560	82,209	517,097	
Apr-07	123	758	567	1,962	1,468	82,398	677,077	
May-07	123	6,079	4,548	2,534	1,896	82,580	783,183	
Jun-07	123	7,181	5,372	7,779	5,819	82,667	1,569,695	
Jul-07	129	28,435	21,271	6,497	4,860	82,827	2,017,773	
Aug-07	129	15,885	11,883	11,379	8,512	82,920	2,485,358	
Sep-07	129	31,832	23,812	56,939	42,593	83,005	2,382,017	
Oct-07	129	10,984	8,217	10,283	7,692	83,101	1,994,973	
Nov-07	129	12,753	9,540	5,319	3,979	83,189	1,198,491	
Dec-07	129	702	525	1,703	1,274	83,235	757,002	
Jan-08	129	1,102	824	3,940	2,947	83,271	547,286	
Feb-08	129	231	173	490	367	83,354	656,451	
Mar-08	129	3,604	2,696	476	356	83,406	541,640	
Apr-08	132	328	245	3,257	2,436	83,515	625,202	
May-08	132	5,544	4,147	7,377	5,518	83,600	715,371	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics							
Month	Public Authority Customers	Public Authority Water Sales (100 Cu. Ft)	Actual Public Authority Water Sales (1,000 Gal.)	Other Water Sales (100 Cu. Ft)	Other Water Sales (1,000 Gal.)	Suez Total Customers	Total Water Sales (1,000 Gal.)	
Jun-08	132	5,545	4,148	5,939	4,443	83,703	1,301,000	
Jul-08	132	23,564	17,627	9,125	6,826	83,808	1,649,295	
Aug-08	132	13,794	10,319	11,440	8,558	83,865	2,296,616	
Sep-08	132	34,270	25,636	7,444	5,569	83,928	2,442,916	
Oct-08	132	11,836	8,854	10,349	7,741	83,809	1,962,033	
Nov-08	132	12,188	9,117	4,475	3,347	83,784	1,227,567	
Dec-08	132	1,781	1,332	2,013	1,506	83,797	787,525	
Jan-09	132	2,131	1,594	1,287	962	83,779	554,149	
Feb-09	132	267	200	103	77	83,763	597,159	
Mar-09	132	1,468	1,098	1,219	912	83,773	484,863	
Apr-09	131	971	726	195	146	83,808	599,492	
May-09	131	6,750	5,049	3,381	2,529	83,862	664,919	
Jun-09	131	8,534	6,384	834	624	83,920	1,329,264	
Jul-09	131	23,617	17,667	4,875	3,646	83,952	1,613,795	
Aug-09	131	9,193	6,877	756	565	84,008	2,012,773	
Sep-09	130	34,083	25,496	7,770	5,812	84,004	2,231,887	
Oct-09	130	14,320	10,712	1,921	1,437	83,977	1,927,187	
Nov-09	130	12,301	9,202	7,312	5,470	83,987	1,186,357	
Dec-09	130	1,295	969	499	373	84,022	703,024	
Jan-10	130	1,707	1,277	1,029	770	84,062	554,499	
Feb-10	130	175	131	115	86	84,053	616,481	
Mar-10	130	1,524	1,140	2,794	2,090	84,100	456,412	
Apr-10	129	436	326	363	271	84,200	586,909	
May-10	129	4,247	3,177	13,809	10,330	84,338	569,979	
Jun-10	129	4,675	3,497	908	679	84,346	940,395	
Jul-10	129	17,521	13,107	9,913	7,415	84,480	1,373,409	
Aug-10	129	13,027	9,745	3,945	2,951	84,577	2,155,236	
Sep-10	129	26,584	19,886	7,195	5,382	84,561	2,100,622	
Oct-10	129	11,851	8,865	1,789	1,338	84,601	1,800,858	Historic
Nov-10	129	27,473	20,551	6,278	4,696	84,611	1,290,117	Data
Dec-10	129	509	381	4,023	3,010	84,604	784,364	
Jan-11	129	886	663	522	391	84,638	540,065	
Feb-11	129	163	122	272	204	84,665	610,044	
Mar-11	129	849	635	928	694	84,753	466,949	
Apr-11	129	146	109	160	120	84,844	570,388	
May-11	129	3,533	2,643	4,114	3,077	84,949	536,489	
Jun-11	129	3,671	2,746	383	286	84,992	859,542	
Jul-11	129	16,374	12,249	3,370	2,521	85,127	1,277,042	
Aug-11	129	7,116	5,323	1,791	1,340	85,249	1,995,005	
Sep-11	129	27,507	20,577	15,568	11,645	85,348	2,204,984	
Oct-11	125	8,688	6,499	3,534	2,643	84,845	1,917,851	
Nov-11	50	11,629	8,699	3,035	2,270	84,463	1,357,821	
Dec-11	46	298	223	679	508	84,378	803,588	
Jan-12	46	826	1,087	826	618	84,499	517,752	
Feb-12	125	424	317	282	211	84,425	608,493	
Mar-12	125	1,586	1,186	1,718	1,285	84,553	536,447	
Apr-12	125	750	561	888	664	84,681	591,595	
May-12	125	5,238	3,918	2,844	2,127	84,809	621,883	
Jun-12	125	5,918	4,427	2,257	1,689	84,937	1,043,076	Forecast
Jul-12	125	22,442	16,788	6,930	5,184	85,065	1,633,073	Data
Aug-12	125	14,126	10,567	4,495	3,363	85,208	2,208,773	
Sep-12	125	29,447	22,027	5,991	4,481	85,352	2,247,221	
Oct-12	125	12,985	9,713	8,822	6,599	85,495	2,179,012	
Nov-12	125	14,782	11,058	4,615	3,452	85,638	1,311,980	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics							
Month	Public Authority Customers	Public Authority Water Sales (100 Cu. Ft)	Actual Public Authority Water Sales (1,000 Gal.)	Other Water Sales (100 Cu. Ft)	Other Water Sales (1,000 Gal.)	Suez Total Customers	Total Water Sales (1,000 Gal.)	
Dec-12	125	1,687	1,262	4,636	3,468	85,782	749,607	
Jan-13	125	1,363	1,020	2,108	1,577	86,155	562,269	
Feb-13	125	456	341	303	227	86,298	654,018	
Mar-13	125	1,705	1,276	1,848	1,382	86,442	576,759	
Apr-13	125	804	602	953	713	86,586	634,835	
May-13	125	5,583	4,177	3,031	2,268	86,729	662,874	
Jun-13	125	6,117	4,576	2,333	1,745	86,873	1,078,177	
Jul-13	125	23,088	17,271	7,129	5,333	87,017	1,680,048	
Aug-13	125	14,989	11,213	4,770	3,568	87,168	2,343,727	
Sep-13	125	31,249	23,376	6,357	4,756	87,319	2,384,765	
Oct-13	125	13,322	9,966	9,051	6,770	87,470	2,235,568	
Nov-13	125	15,196	11,368	4,744	3,549	87,621	1,348,702	
Dec-13	125	1,740	1,302	4,784	3,579	87,772	773,483	
Jan-14	125	1,404	1,051	2,172	1,625	87,983	579,385	
Feb-14	125	469	351	312	234	88,134	673,361	
Mar-14	125	1,755	1,313	1,902	1,423	88,285	593,655	
Apr-14	125	827	619	980	733	88,436	652,982	
May-14	125	5,760	4,309	3,128	2,340	88,587	683,888	
Jun-14	125	6,095	4,560	2,325	1,739	88,738	1,074,367	
Jul-14	125	23,310	17,437	7,198	5,384	88,889	1,696,187	
Aug-14	125	15,329	11,467	4,878	3,649	89,041	2,396,909	
Sep-14	125	31,962	23,909	6,502	4,864	89,193	2,439,219	
Oct-14	125	13,516	10,110	9,182	6,869	89,345	2,268,051	
Nov-14	125	15,288	11,436	4,773	3,570	89,497	1,356,820	
Dec-14	125	1,721	1,287	4,731	3,539	89,649	764,896	
Jan-15	125	1,394	1,043	2,157	1,613	89,853	575,269	
Feb-15	125	465	348	309	231	89,997	667,037	
Mar-15	125	1,744	1,305	1,890	1,414	90,141	589,939	
Apr-15	125	821	614	972	727	90,284	647,750	
May-15	125	5,678	4,247	3,083	2,306	90,428	674,071	
Jun-15	125	6,273	4,693	2,393	1,790	90,572	1,105,726	
Jul-15	125	23,897	17,876	7,379	5,520	90,715	1,738,916	
Aug-15	125	15,818	11,832	5,034	3,765	90,858	2,473,248	
Sep-15	125	32,976	24,668	6,709	5,018	91,001	2,516,584	
Oct-15	125	13,824	10,341	9,392	7,025	91,144	2,319,838	
Nov-15	125	15,662	11,716	4,890	3,658	91,286	1,389,998	Forecast
Dec-15	125	1,769	1,323	4,863	3,638	91,429	786,270	Data
Jan-16	125	1,434	1,073	2,218	1,659	91,634	591,545	
Feb-16	125	478	357	318	238	91,777	685,561	
Mar-16	125	1,793	1,341	1,942	1,453	91,919	606,345	
Apr-16	125	843	631	999	747	92,062	665,536	
May-16	125	5,855	4,380	3,179	2,378	92,205	695,146	
Jun-16	125	6,445	4,821	2,458	1,839	92,347	1,135,888	
Jul-16	125	24,463	18,300	7,554	5,651	92,490	1,780,135	
Aug-16	125	16,429	12,290	5,228	3,911	92,629	2,568,819	
Sep-16	125	34,251	25,621	6,968	5,212	92,767	2,613,861	
Oct-16	125	14,126	10,567	9,597	7,179	92,906	2,370,479	
Nov-16	125	16,027	11,989	5,004	3,743	93,044	1,422,406	
Dec-16	125	1,816	1,358	4,992	3,734	93,183	807,128	
Jan-17	125	1,473	1,102	2,278	1,704	93,384	607,547	
Feb-17	125	490	367	326	244	93,523	703,813	
Mar-17	125	1,841	1,377	1,994	1,492	93,661	622,602	
Apr-17	125	866	648	1,025	767	93,800	683,213	
May-17	125	6,033	4,513	3,276	2,450	93,938	716,287	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics							
Month	Public Authority Customers	Public Authority Water Sales (100 Cu. Ft)	Actual Public Authority Water Sales (1,000 Gal.)	Other Water Sales (100 Cu. Ft)	Other Water Sales (1,000 Gal.)	Suez Total Customers	Total Water Sales (1,000 Gal.)	
Jun-17	125	6,616	4,949	2,524	1,888	94,077	1,166,050	
Jul-17	125	25,025	18,720	7,728	5,781	94,215	1,821,017	
Aug-17	125	17,046	12,752	5,425	4,058	94,350	2,665,396	
Sep-17	125	35,540	26,586	7,230	5,409	94,485	2,712,264	
Oct-17	125	14,425	10,791	9,800	7,331	94,620	2,420,698	
Nov-17	125	16,394	12,264	5,118	3,829	94,755	1,455,040	
Dec-17	125	1,865	1,395	5,126	3,834	94,890	828,744	
Jan-18	125	1,513	1,132	2,340	1,751	95,089	624,173	
Feb-18	125	504	377	335	251	95,224	722,920	
Mar-18	125	1,891	1,415	2,049	1,533	95,359	639,646	
Apr-18	125	889	665	1,053	788	95,494	701,888	
May-18	125	6,225	4,656	3,380	2,528	95,629	739,028	
Jun-18	125	6,443	4,819	2,458	1,838	95,764	1,135,571	
Jul-18	125	24,951	18,665	7,705	5,764	95,899	1,815,654	
Aug-18	125	17,395	13,013	5,536	4,141	96,030	2,719,959	
Sep-18	125	36,275	27,135	7,380	5,520	96,161	2,768,305	
Oct-18	125	14,504	10,850	9,854	7,371	96,292	2,433,974	
Nov-18	125	16,245	12,152	5,072	3,794	96,423	1,441,811	
Dec-18	125	1,792	1,341	4,926	3,685	96,554	796,495	
Jan-19	125	1,464	1,095	2,264	1,693	96,750	603,815	
Feb-19	125	485	363	323	242	96,881	696,528	
Mar-19	125	1,832	1,370	1,984	1,484	97,012	619,499	
Apr-19	125	859	642	1,017	761	97,142	677,627	
May-19	125	5,930	4,436	3,220	2,409	97,273	704,033	
Jun-19	125	6,623	4,954	2,526	1,890	97,404	1,167,331	
Jul-19	125	25,519	19,089	7,880	5,895	97,535	1,856,951	
Aug-19	125	18,026	13,485	5,736	4,291	97,670	2,818,613	
Sep-19	125	37,592	28,121	7,648	5,721	97,805	2,868,868	
Oct-19	125	14,801	11,072	10,055	7,522	97,941	2,483,809	
Nov-19	125	16,618	12,431	5,188	3,881	98,076	1,474,855	
Dec-19	125	1,843	1,378	5,065	3,789	98,211	818,947	
Jan-20	125	1,505	1,126	2,328	1,742	98,413	620,946	
Feb-20	125	499	373	332	248	98,548	716,142	
Mar-20	125	1,883	1,409	2,040	1,526	98,684	636,877	
Apr-20	125	883	660	1,046	782	98,819	696,590	
May-20	125	6,125	4,582	3,326	2,488	98,954	727,184	Forecast
Jun-20	125	6,805	5,091	2,596	1,942	99,090	1,199,463	Data
Jul-20	125	26,097	19,522	8,059	6,028	99,225	1,898,990	
Aug-20	125	18,675	13,970	5,943	4,446	99,366	2,920,044	
Sep-20	125	38,948	29,135	7,924	5,927	99,506	2,972,331	
Oct-20	125	15,104	11,299	10,261	7,676	99,647	2,534,641	
Nov-20	125	16,997	12,715	5,307	3,970	99,788	1,508,523	
Dec-20	125	1,894	1,417	5,206	3,895	99,929	841,782	
Jan-21	125	1,547	1,158	2,393	1,790	100,137	638,344	
Feb-21	125	513	384	341	255	100,278	736,129	
Mar-21	125	1,935	1,448	2,097	1,569	100,419	654,578	
Apr-21	125	907	679	1,075	804	100,559	715,959	
May-21	125	6,325	4,731	3,434	2,569	100,700	750,913	
Jun-21	125	6,993	5,231	2,667	1,995	100,841	1,232,498	
Jul-21	125	26,691	19,967	8,242	6,166	100,981	1,942,283	
Aug-21	125	19,345	14,471	6,156	4,605	101,123	3,024,808	
Sep-21	125	40,347	30,182	8,208	6,140	101,265	3,079,085	
Oct-21	125	15,414	11,530	10,472	7,833	101,407	2,586,607	
Nov-21	125	17,384	13,004	5,427	4,060	101,548	1,542,869	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics							
Month	Public Authority Customers	Public Authority Water Sales (100 Cu. Ft)	Actual Public Authority Water Sales (1,000 Gal.)	Other Water Sales (100 Cu. Ft)	Other Water Sales (1,000 Gal.)	Suez Total Customers	Total Water Sales (1,000 Gal.)	
Dec-21	125	1,946	1,456	5,350	4,002	101,690	865,016	
Jan-22	125	1,590	1,190	2,459	1,840	101,900	655,993	
Feb-22	125	527	394	351	262	102,042	756,380	
Mar-22	125	1,988	1,487	2,154	1,611	102,183	672,479	
Apr-22	125	932	697	1,104	826	102,325	735,515	
May-22	125	6,527	4,882	3,544	2,651	102,467	774,866	
Jun-22	125	6,754	5,052	2,576	1,927	102,608	1,190,388	
Jul-22	125	26,504	19,827	8,185	6,122	102,750	1,928,670	
Aug-22	125	19,665	14,711	6,258	4,681	102,890	3,074,882	
Sep-22	125	41,025	30,689	8,346	6,243	103,030	3,130,838	
Oct-22	125	15,458	11,563	10,502	7,856	103,170	2,594,033	
Nov-22	125	17,140	12,822	5,351	4,003	103,310	1,521,232	
Dec-22	125	1,850	1,384	5,085	3,804	103,450	822,246	
Jan-23	125	1,353	1,012	2,093	1,566	103,660	558,200	
Feb-23	125	490	367	326	244	103,800	703,580	
Mar-23	125	1,802	1,348	1,953	1,461	103,940	609,602	
Apr-23	125	868	650	1,029	769	104,080	685,293	
May-23	125	5,990	4,481	3,253	2,433	104,220	711,205	
Jun-23	125	6,920	5,177	2,640	1,975	104,360	1,219,748	
Jul-23	125	27,105	20,276	8,370	6,261	104,500	1,972,405	
Aug-23	125	20,072	15,015	6,387	4,778	104,641	3,138,457	
Sep-23	125	41,871	31,321	8,518	6,372	104,782	3,195,362	
Oct-23	125	15,221	11,386	10,340	7,735	104,923	2,554,185	
Nov-23	125	17,200	12,867	5,370	4,017	105,064	1,526,563	
Dec-23	125	1,879	1,405	5,165	3,864	105,205	835,076	
Jan-24	125	1,567	1,172	2,424	1,813	105,417	646,474	
Feb-24	125	517	387	344	257	105,558	741,925	
Mar-24	125	1,962	1,467	2,125	1,590	105,699	663,514	
Apr-24	125	916	685	1,085	812	105,839	723,111	
May-24	125	6,349	4,749	3,447	2,579	105,980	753,786	
Jun-24	125	7,138	5,340	2,723	2,037	106,121	1,258,187	
Jul-24	125	27,713	20,730	8,558	6,402	106,262	2,016,588	
Aug-24	125	20,482	15,321	6,518	4,876	106,404	3,202,512	
Sep-24	125	42,721	31,958	8,691	6,502	106,545	3,260,300	
Oct-24	125	16,082	12,030	10,926	8,173	106,687	2,698,776	
Nov-24	125	17,924	13,408	5,596	4,186	106,828	1,590,766	Forecast
Dec-24	125	1,957	1,464	5,378	4,023	106,970	869,597	Data
Jan-25	125	1,611	1,205	2,491	1,863	107,183	664,405	
Feb-25	125	531	397	354	264	107,325	762,424	
Mar-25	125	2,015	1,508	2,183	1,633	107,467	681,612	
Apr-25	125	941	704	1,115	834	107,608	742,814	
May-25	125	6,553	4,902	3,558	2,662	107,750	778,031	
Jun-25	125	7,329	5,482	2,796	2,091	107,891	1,291,744	
Jul-25	125	28,314	21,180	8,743	6,541	108,033	2,060,371	
Aug-25	125	20,890	15,627	6,648	4,973	108,178	3,266,376	
Sep-25	125	43,571	32,594	8,864	6,631	108,323	3,325,168	
Oct-25	125	16,395	12,264	11,138	8,332	108,469	2,751,258	
Nov-25	125	18,314	13,699	5,718	4,277	108,614	1,625,373	
Dec-25	125	2,009	1,503	5,522	4,131	108,759	892,900	
Jan-26	125	1,654	1,237	2,558	1,913	108,978	682,169	
Feb-26	125	545	408	363	272	109,123	782,766	
Mar-26	125	2,069	1,547	2,241	1,676	109,269	699,633	
Apr-26	125	966	723	1,144	856	109,414	762,475	
May-26	125	6,758	5,055	3,669	2,745	109,559	802,309	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics							
Month	Public Authority Customers	Public Authority Water Sales (100 Cu. Ft)	Actual Public Authority Water Sales (1,000 Gal.)	Other Water Sales (100 Cu. Ft)	Other Water Sales (1,000 Gal.)	Suez Total Customers	Total Water Sales (1,000 Gal.)	
Jun-26	125	7,053	5,276	2,690	2,013	109,704	1,243,123	
Jul-26	125	28,065	20,994	8,667	6,483	109,850	2,042,246	
Aug-26	125	20,909	15,641	6,654	4,977	110,003	3,269,332	
Sep-26	125	43,621	32,631	8,874	6,638	110,156	3,328,938	
Oct-26	125	16,422	12,285	11,157	8,346	110,309	2,755,852	
Nov-26	125	18,019	13,479	5,626	4,208	110,462	1,599,235	
Dec-26	125	1,899	1,421	5,221	3,906	110,616	844,196	
Jan-27	125	1,577	1,180	2,439	1,825	110,843	650,578	
Feb-27	125	517	387	344	258	110,996	742,663	
Mar-27	125	1,976	1,478	2,141	1,602	111,149	668,371	
Apr-27	125	919	688	1,089	815	111,302	725,469	
May-27	125	6,321	4,728	3,432	2,567	111,456	750,459	
Jun-27	125	7,250	5,424	2,766	2,069	111,609	1,277,937	
Jul-27	125	28,698	21,467	8,862	6,629	111,762	2,088,285	
Aug-27	125	21,340	15,963	6,791	5,080	111,915	3,336,706	
Sep-27	125	44,517	33,301	9,057	6,775	112,068	3,397,297	
Oct-27	125	16,750	12,530	11,380	8,513	112,221	2,810,882	
Nov-27	125	18,425	13,783	5,752	4,303	112,374	1,635,234	
Dec-27	125	1,953	1,461	5,369	4,017	112,526	868,156	
Jan-28	125	1,621	1,213	2,507	1,876	112,755	668,791	
Feb-28	125	532	398	354	265	112,908	763,531	
Mar-28	125	2,031	1,519	2,200	1,646	113,061	686,829	
Apr-28	125	945	707	1,119	837	113,214	745,605	
May-28	125	6,531	4,885	3,546	2,652	113,367	775,354	
Jun-28	125	7,448	5,572	2,841	2,125	113,519	1,312,785	
Jul-28	125	29,330	21,940	9,057	6,775	113,672	2,134,286	
Aug-28	125	21,771	16,286	6,928	5,183	113,828	3,404,097	
Sep-28	125	45,414	33,972	9,239	6,911	113,983	3,465,748	
Oct-28	125	17,079	12,776	11,603	8,679	114,139	2,866,000	
Nov-28	125	18,831	14,086	5,879	4,398	114,294	1,671,273	
Dec-28	125	2,007	1,501	5,517	4,127	114,450	892,098	
Jan-29	125	1,665	1,246	2,576	1,927	114,682	687,020	
Feb-29	125	547	409	364	272	114,838	784,419	
Mar-29	125	2,085	1,560	2,259	1,690	114,993	705,331	
Apr-29	125	970	726	1,149	860	115,149	765,793	
May-29	125	6,741	5,043	3,660	2,738	115,304	800,362	Forecast
Jun-29	125	7,648	5,721	2,917	2,182	115,470	1,347,967	Data
Jul-29	125	29,973	22,421	9,256	6,924	115,635	2,181,092	
Aug-29	125	22,212	16,616	7,068	5,288	115,803	3,473,044	
Sep-29	125	46,335	34,661	9,426	7,051	115,971	3,536,033	
Oct-29	125	17,417	13,028	11,832	8,851	116,139	2,922,688	
Nov-29	125	19,247	14,398	6,009	4,495	116,307	1,708,248	
Dec-29	125	2,062	1,542	5,668	4,240	116,475	916,476	
Jan-30	125	1,710	1,279	2,645	1,979	116,722	705,581	
Feb-30	125	561	420	374	279	116,890	805,756	
Mar-30	125	2,141	1,602	2,320	1,735	117,058	724,242	
Apr-30	125	997	745	1,180	883	117,226	786,488	
May-30	125	6,957	5,204	3,777	2,826	117,394	826,002	
Jun-30	125	7,363	5,508	2,809	2,101	117,562	1,297,716	
Jul-30	125	29,740	22,247	9,184	6,870	117,730	2,164,135	
Aug-30	125	22,254	16,647	7,082	5,298	117,901	3,479,720	
Sep-30	125	46,432	34,734	9,446	7,066	118,072	3,543,495	
Oct-30	125	17,459	13,060	11,861	8,873	118,243	2,929,793	
Nov-30	125	18,948	14,174	5,916	4,425	118,414	1,681,637	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics							
Month	Public Authority Customers	Public Authority Water Sales (100 Cu. Ft)	Actual Public Authority Water Sales (1,000 Gal.)	Other Water Sales (100 Cu. Ft)	Other Water Sales (1,000 Gal.)	Suez Total Customers	Total Water Sales (1,000 Gal.)	
Dec-30	125	1,947	1,456	5,351	4,003	118,584	865,241	
Jan-31	125	1,630	1,219	2,520	1,885	118,835	672,222	
Feb-31	125	532	398	354	265	119,006	763,464	
Mar-31	125	2,044	1,529	2,214	1,656	119,176	691,178	
Apr-31	125	947	708	1,122	839	119,347	747,378	
May-31	125	6,497	4,860	3,528	2,639	119,518	771,364	
Jun-31	125	7,571	5,664	2,888	2,160	119,689	1,334,503	
Jul-31	125	30,417	22,753	9,393	7,026	119,860	2,213,372	
Aug-31	125	22,719	16,995	7,230	5,408	120,032	3,552,313	
Sep-31	125	47,399	35,457	9,643	7,213	120,204	3,617,286	
Oct-31	125	17,810	13,323	12,100	9,051	120,377	2,988,781	
Nov-31	125	19,379	14,496	6,050	4,526	120,549	1,719,892	
Dec-31	125	2,003	1,498	5,506	4,119	120,721	890,321	
Jan-32	125	1,474	1,103	2,280	1,706	120,974	608,212	
Feb-32	125	533	398	355	265	121,146	764,510	
Mar-32	125	1,976	1,478	2,141	1,602	121,318	668,459	
Apr-32	125	947	709	1,122	839	121,491	747,535	
May-32	125	6,541	4,893	3,552	2,657	121,663	776,620	
Jun-32	125	7,755	5,801	2,958	2,213	121,835	1,366,786	
Jul-32	125	31,103	23,267	9,605	7,185	122,007	2,263,328	
Aug-32	125	23,189	17,347	7,379	5,520	122,182	3,625,884	
Sep-32	125	48,379	36,190	9,842	7,363	122,357	3,692,074	
Oct-32	125	17,523	13,108	11,904	8,905	122,532	2,940,458	
Nov-32	125	19,426	14,532	6,065	4,537	122,707	1,724,129	
Dec-32	125	2,032	1,520	5,585	4,178	122,882	902,946	
Jan-33	125	1,722	1,288	2,664	1,993	123,140	710,491	
Feb-33	125	563	421	374	280	123,315	807,543	
Mar-33	125	2,159	1,615	2,339	1,750	123,490	730,110	
Apr-33	125	1,001	749	1,186	887	123,665	790,014	
May-33	125	6,945	5,195	3,771	2,821	123,840	824,554	
Jun-33	125	7,999	5,984	3,051	2,282	124,015	1,409,851	
Jul-33	125	31,800	23,788	9,820	7,346	124,190	2,314,028	
Aug-33	125	23,666	17,704	7,531	5,634	124,367	3,700,485	
Sep-33	125	49,372	36,933	10,044	7,514	124,543	3,767,857	
Oct-33	125	18,527	13,859	12,587	9,415	124,720	3,109,044	
Nov-33	125	20,257	15,153	6,325	4,731	124,896	1,797,881	Forecast
Dec-33	125	2,118	1,584	5,823	4,356	125,073	941,427	Data
Jan-34	125	1,769	1,324	2,736	2,047	125,333	729,883	
Feb-34	125	578	433	385	288	125,509	829,842	
Mar-34	125	2,217	1,658	2,402	1,797	125,686	749,788	
Apr-34	125	1,028	769	1,218	911	125,862	811,528	
May-34	125	7,172	5,365	3,894	2,913	126,039	851,432	
Jun-34	125	7,676	5,742	2,928	2,190	126,215	1,352,956	
Jul-34	125	31,510	23,571	9,730	7,279	126,392	2,292,921	
Aug-34	125	23,689	17,721	7,539	5,639	126,570	3,704,082	
Sep-34	125	49,431	36,977	10,056	7,523	126,748	3,772,345	
Oct-34	125	18,555	13,880	12,605	9,429	126,926	3,113,638	
Nov-34	125	19,907	14,891	6,215	4,649	127,105	1,766,768	
Dec-34	125	1,989	1,488	5,468	4,091	127,283	884,148	
Jan-35	125	1,679	1,256	2,596	1,942	127,546	692,523	
Feb-35	125	545	408	363	271	127,724	782,639	
Mar-35	125	2,108	1,577	2,284	1,708	127,902	712,855	
Apr-35	125	973	728	1,153	862	128,081	767,967	
May-35	125	6,663	4,984	3,618	2,706	128,259	791,025	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics							
Month	Public Authority Customers	Public Authority Water Sales (100 Cu. Ft)	Actual Public Authority Water Sales (1,000 Gal.)	Other Water Sales (100 Cu. Ft)	Other Water Sales (1,000 Gal.)	Suez Total Customers	Total Water Sales (1,000 Gal.)	
Jun-35	125	7,900	5,909	3,013	2,254	128,437	1,392,376	
Jul-35	125	32,228	24,108	9,952	7,445	128,615	2,345,165	
Aug-35	125	24,179	18,087	7,694	5,756	128,796	3,780,628	
Sep-35	125	50,450	37,739	10,264	7,678	128,977	3,850,087	
Oct-35	125	18,923	14,156	12,856	9,617	129,157	3,175,555	
Nov-35	125	20,361	15,231	6,357	4,755	129,338	1,807,065	
Dec-35	125	2,049	1,533	5,632	4,213	129,519	910,687	
Jan-36	125	1,727	1,292	2,672	1,998	129,786	712,552	
Feb-36	125	561	420	374	279	129,967	805,658	
Mar-36	125	2,168	1,621	2,348	1,757	130,147	733,127	
Apr-36	125	1,001	749	1,186	887	130,328	790,117	
May-36	125	6,897	5,159	3,745	2,801	130,509	818,816	
Jun-36	125	8,122	6,076	3,098	2,318	130,690	1,431,610	
Jul-36	125	32,946	24,645	10,174	7,610	130,871	2,397,429	
Aug-36	125	24,671	18,455	7,851	5,873	131,055	3,857,515	
Sep-36	125	51,474	38,505	10,472	7,833	131,239	3,928,230	
Oct-36	125	19,294	14,433	13,108	9,805	131,424	3,237,719	
Nov-36	125	20,814	15,570	6,498	4,861	131,608	1,847,288	
Dec-36	125	2,108	1,577	5,795	4,335	131,793	936,926	
Jan-37	125	1,775	1,328	2,746	2,054	132,065	732,377	
Feb-37	125	577	432	384	287	132,250	828,461	
Mar-37	125	2,227	1,666	2,413	1,805	132,434	753,232	
Apr-37	125	1,029	770	1,219	912	132,619	812,101	
May-37	125	7,130	5,333	3,871	2,896	132,803	846,480	
Jun-37	125	8,345	6,243	3,183	2,381	132,988	1,470,894	
Jul-37	125	33,670	25,187	10,397	7,778	133,172	2,450,093	
Aug-37	125	25,167	18,826	8,009	5,991	133,359	3,935,173	
Sep-37	125	52,508	39,279	10,682	7,991	133,545	4,007,157	
Oct-37	125	19,667	14,712	13,361	9,995	133,732	3,300,383	
Nov-37	125	21,269	15,910	6,640	4,967	133,918	1,887,661	
Dec-37	125	2,167	1,621	5,956	4,456	134,105	963,080	
Jan-38	125	1,823	1,364	2,820	2,109	134,381	752,152	
Feb-38	125	593	444	395	295	134,567	851,208	
Mar-38	125	2,286	1,710	2,477	1,853	134,754	773,310	
Apr-38	125	1,057	791	1,252	936	134,941	834,055	
May-38	125	7,363	5,508	3,998	2,990	135,127	874,149	Forecast
Jun-38	125	7,978	5,968	3,043	2,277	135,314	1,406,257	Data
Jul-38	125	33,314	24,921	10,287	7,696	135,500	2,424,226	
Aug-38	125	25,168	18,827	8,009	5,991	135,688	3,935,199	
Sep-38	125	52,520	39,288	10,685	7,993	135,877	4,008,074	
Oct-38	125	19,676	14,719	13,367	9,999	136,065	3,301,887	
Nov-38	125	20,855	15,600	6,511	4,871	136,253	1,850,898	
Dec-38	125	2,021	1,512	5,555	4,155	136,441	898,113	
Jan-39	125	1,720	1,287	2,660	1,990	136,720	709,574	
Feb-39	125	556	416	370	277	136,908	797,503	
Mar-39	125	2,162	1,617	2,342	1,752	137,096	731,115	
Apr-39	125	994	743	1,177	881	137,285	784,349	
May-39	125	6,786	5,076	3,684	2,756	137,473	805,608	
Jun-39	125	8,206	6,139	3,130	2,342	137,661	1,446,438	
Jul-39	125	34,055	25,475	10,516	7,867	137,849	2,478,126	
Aug-39	125	25,675	19,206	8,170	6,112	138,033	4,014,507	
Sep-39	125	53,574	40,076	10,899	8,153	138,218	4,088,529	
Oct-39	125	20,056	15,003	13,625	10,193	138,402	3,365,637	
Nov-39	125	21,317	15,946	6,655	4,978	138,586	1,891,907	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics							
Month	Public Authority Customers	Public Authority Water Sales (100 Cu. Ft)	Actual Public Authority Water Sales (1,000 Gal.)	Other Water Sales (100 Cu. Ft)	Other Water Sales (1,000 Gal.)	Suez Total Customers	Total Water Sales (1,000 Gal.)	
Dec-39	125	2,080	1,556	5,719	4,278	138,770	924,666	
Jan-40	125	1,769	1,323	2,736	2,047	139,046	729,707	
Feb-40	125	572	428	381	285	139,231	820,587	
Mar-40	125	2,222	1,662	2,407	1,801	139,415	751,523	
Apr-40	125	1,022	765	1,211	906	139,599	806,606	
May-40	125	7,023	5,253	3,813	2,852	139,783	833,753	
Jun-40	125	8,433	6,308	3,217	2,406	139,967	1,486,296	
Jul-40	125	34,787	26,023	10,742	8,036	140,151	2,531,394	
Aug-40	125	26,178	19,583	8,331	6,232	140,347	4,093,233	
Sep-40	125	54,627	40,863	11,113	8,313	140,542	4,168,835	
Oct-40	125	20,437	15,288	13,884	10,386	140,737	3,429,614	
Nov-40	125	21,784	16,295	6,801	5,088	140,933	1,933,357	
Dec-40	125	2,141	1,602	5,886	4,403	141,128	951,758	
Jan-41	125	1,586	1,186	2,452	1,835	141,417	654,111	
Feb-41	125	571	428	380	285	141,613	820,266	
Mar-41	125	2,140	1,601	2,319	1,735	141,808	723,929	
Apr-41	125	1,021	763	1,209	904	142,004	805,479	
May-41	125	7,065	5,285	3,836	2,870	142,199	838,831	
Jun-41	125	8,638	6,461	3,295	2,465	142,395	1,522,461	
Jul-41	125	35,561	26,601	10,981	8,214	142,590	2,587,667	
Aug-41	125	26,707	19,978	8,499	6,358	142,790	4,175,940	
Sep-41	125	55,728	41,687	11,337	8,481	142,989	4,252,901	
Oct-41	125	20,092	15,030	13,650	10,211	143,189	3,371,583	
Nov-41	125	21,818	16,321	6,812	5,096	143,388	1,936,433	
Dec-41	125	2,171	1,624	5,967	4,464	143,588	964,809	
Jan-42	125	1,870	1,399	2,892	2,164	143,883	771,424	
Feb-42	125	605	453	403	301	144,082	868,645	
Mar-42	125	2,348	1,756	2,544	1,903	144,282	794,021	
Apr-42	125	1,081	809	1,281	958	144,481	853,164	
May-42	125	7,521	5,626	4,084	3,055	144,681	892,971	
Jun-42	125	8,272	6,188	3,155	2,360	144,881	1,457,942	
Jul-42	125	35,166	26,306	10,859	8,123	145,080	2,558,932	
Aug-42	125	26,700	19,973	8,497	6,356	145,284	4,174,822	
Sep-42	125	55,726	41,686	11,337	8,481	145,488	4,252,772	
Oct-42	125	20,837	15,587	14,156	10,589	145,691	3,496,692	
Nov-42	125	21,811	16,316	6,810	5,094	145,895	1,935,794	Forecast
Dec-42	125	2,045	1,530	5,621	4,205	146,099	908,804	Data
Jan-43	125	1,757	1,315	2,718	2,033	146,400	724,922	
Feb-43	125	564	422	376	281	146,603	810,024	
Mar-43	125	2,211	1,654	2,396	1,792	146,807	747,917	
Apr-43	125	1,012	757	1,199	897	147,011	798,881	
May-43	125	6,893	5,157	3,743	2,800	147,215	818,398	
Jun-43	125	8,515	6,370	3,248	2,430	147,419	1,500,858	
Jul-43	125	35,958	26,899	11,104	8,306	147,623	2,616,613	
Aug-43	125	27,245	20,380	8,670	6,486	147,831	4,259,968	
Sep-43	125	56,861	42,535	11,568	8,653	148,039	4,339,380	
Oct-43	125	21,245	15,892	14,433	10,797	148,246	3,565,123	
Nov-43	125	22,306	16,686	6,964	5,210	148,454	1,979,738	
Dec-43	125	2,108	1,577	5,796	4,336	148,662	937,101	
Jan-44	125	1,809	1,353	2,798	2,093	148,969	746,320	
Feb-44	125	582	435	387	290	149,177	834,660	
Mar-44	125	2,276	1,702	2,465	1,844	149,386	769,668	
Apr-44	125	1,042	780	1,235	924	149,594	822,683	
May-44	125	7,149	5,348	3,882	2,904	149,802	848,764	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics							
Month	Public Authority Customers	Public Authority Water Sales (100 Cu. Ft)	Actual Public Authority Water Sales (1,000 Gal.)	Other Water Sales (100 Cu. Ft)	Other Water Sales (1,000 Gal.)	Suez Total Customers	Total Water Sales (1,000 Gal.)	
Jun-44	125	8,761	6,554	3,342	2,500	150,010	1,544,232	
Jul-44	125	36,762	27,500	11,352	8,492	150,218	2,675,097	
Aug-44	125	27,797	20,794	8,846	6,617	150,430	4,346,420	
Sep-44	125	58,014	43,397	11,802	8,829	150,643	4,427,317	
Oct-44	125	21,658	16,202	14,714	11,007	150,855	3,634,509	
Nov-44	125	22,807	17,061	7,120	5,326	151,067	2,024,150	
Dec-44	125	2,172	1,625	5,972	4,467	151,280	965,532	
Jan-45	125	1,861	1,392	2,879	2,153	151,593	767,814	
Feb-45	125	599	448	399	298	151,805	859,401	
Mar-45	125	2,340	1,751	2,535	1,897	152,018	791,511	
Apr-45	125	1,073	802	1,271	950	152,230	846,579	
May-45	125	7,406	5,540	4,021	3,008	152,443	879,294	
Jun-45	125	9,009	6,740	3,437	2,571	152,655	1,587,983	
Jul-45	125	37,576	28,109	11,603	8,680	152,868	2,734,325	
Aug-45	125	28,358	21,214	9,024	6,751	153,084	4,434,134	
Sep-45	125	59,183	44,272	12,040	9,007	153,301	4,516,548	
Oct-45	125	22,077	16,515	14,999	11,220	153,518	3,704,826	
Nov-45	125	23,312	17,438	7,278	5,444	153,735	2,068,990	
Dec-45	125	2,237	1,673	6,148	4,599	153,952	994,053	
Jan-46	125	1,914	1,431	2,960	2,214	154,271	789,376	
Feb-46	125	616	461	410	307	154,488	884,221	
Mar-46	125	2,405	1,799	2,606	1,949	154,705	813,431	
Apr-46	125	1,103	825	1,307	977	154,922	870,556	
May-46	125	7,665	5,734	4,162	3,113	155,138	909,981	
Jun-46	125	8,565	6,407	3,267	2,444	155,355	1,509,724	
Jul-46	125	37,126	27,772	11,465	8,576	155,572	2,701,606	
Aug-46	125	28,339	21,199	9,018	6,746	155,794	4,431,125	
Sep-46	125	59,157	44,253	12,035	9,003	156,015	4,514,611	
Oct-46	125	22,070	16,510	14,994	11,216	156,236	3,703,586	
Nov-46	125	22,796	17,053	7,117	5,324	156,458	2,023,231	
Dec-46	125	2,059	1,541	5,661	4,235	156,679	915,336	
Jan-47	125	1,788	1,338	2,765	2,069	157,004	737,615	
Feb-47	125	571	427	380	284	157,226	819,053	
Mar-47	125	2,253	1,685	2,441	1,826	157,447	762,085	
Apr-47	125	1,026	768	1,216	910	157,669	810,160	
May-47	125	6,969	5,213	3,784	2,830	157,890	827,352	Forecast
Jun-47	125	8,820	6,598	3,365	2,517	158,112	1,554,673	Data
Jul-47	125	37,966	28,401	11,724	8,770	158,333	2,762,712	
Aug-47	125	28,919	21,633	9,203	6,884	158,559	4,521,775	
Sep-47	125	60,366	45,157	12,281	9,187	158,785	4,606,845	
Oct-47	125	22,502	16,833	15,287	11,436	159,011	3,776,078	
Nov-47	125	23,315	17,441	7,279	5,445	159,237	2,069,269	
Dec-47	125	2,125	1,589	5,841	4,369	159,463	944,403	
Jan-48	125	1,841	1,377	2,848	2,130	159,795	759,585	
Feb-48	125	588	440	392	293	160,021	844,346	
Mar-48	125	2,319	1,735	2,513	1,880	160,247	784,424	
Apr-48	125	1,057	791	1,253	937	160,473	834,595	
May-48	125	7,233	5,411	3,927	2,938	160,699	858,754	
Jun-48	125	9,078	6,791	3,463	2,590	160,925	1,600,006	
Jul-48	125	38,817	29,037	11,987	8,967	161,151	2,824,600	
Aug-48	125	29,507	22,073	9,390	7,024	161,381	4,613,734	
Sep-48	125	61,592	46,074	12,530	9,373	161,612	4,700,402	
Oct-48	125	22,940	17,160	15,584	11,658	161,842	3,849,491	
Nov-48	125	23,838	17,832	7,443	5,567	162,073	2,115,703	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics							
Month	Public Authority Customers	Public Authority Water Sales (100 Cu. Ft)	Actual Public Authority Water Sales (1,000 Gal.)	Other Water Sales (100 Cu. Ft)	Other Water Sales (1,000 Gal.)	Suez Total Customers	Total Water Sales (1,000 Gal.)	
Dec-48	125	2,190	1,638	6,021	4,504	162,303	973,515	
Jan-49	125	1,895	1,417	2,930	2,192	162,641	781,577	
Feb-49	125	606	453	403	302	162,872	869,662	
Mar-49	125	2,385	1,784	2,584	1,933	163,102	806,777	
Apr-49	125	1,088	814	1,289	964	163,333	859,040	
May-49	125	7,498	5,609	4,071	3,046	163,564	890,238	
Jun-49	125	9,337	6,984	3,561	2,664	163,794	1,645,625	
Jul-49	125	39,676	29,680	12,252	9,165	164,025	2,887,131	
Aug-49	125	30,103	22,518	9,579	7,166	164,260	4,706,841	
Sep-49	125	62,834	47,003	12,783	9,562	164,495	4,795,159	
Oct-49	125	23,382	17,491	15,885	11,883	164,730	3,923,730	
Nov-49	125	24,365	18,227	7,607	5,691	164,965	2,162,491	
Dec-49	125	2,256	1,688	6,201	4,639	165,200	1,002,652	
Jan-50	125	1,681	1,257	2,600	1,945	165,545	693,396	
Feb-50	125	604	452	402	301	165,781	867,362	
Mar-50	125	2,287	1,710	2,477	1,853	166,016	773,383	
Apr-50	125	1,084	811	1,284	961	166,251	855,661	
May-50	125	7,528	5,631	4,087	3,057	166,487	893,722	
Jun-50	125	9,130	6,830	3,483	2,605	166,722	1,609,273	
Jul-50	125	39,759	29,741	12,277	9,184	166,957	2,893,155	
Aug-50	125	30,343	22,698	9,656	7,223	167,197	4,744,437	
Sep-50	125	63,344	47,385	12,887	9,640	167,437	4,834,143	
Oct-50	125	22,724	16,999	15,438	11,549	167,677	3,813,395	
Nov-50	125	23,756	17,771	7,417	5,548	167,917	2,108,433	
Dec-50	125	2,135	1,597	5,868	4,389	168,157	948,748	
Jan-51	125	1,891	1,415	2,925	2,188	168,509	780,286	
Feb-51	125	602	451	401	300	168,749	864,704	
Mar-51	125	2,384	1,783	2,583	1,932	168,989	806,284	
Apr-51	125	1,084	811	1,285	961	169,230	855,857	
May-51	125	7,441	5,566	4,040	3,022	169,470	883,429	
Jun-51	125	9,433	7,056	3,598	2,692	169,710	1,662,560	
Jul-51	125	40,643	30,403	12,551	9,388	169,950	2,957,498	
Aug-51	125	30,957	23,158	9,851	7,369	170,195	4,840,491	
Sep-51	125	64,626	48,343	13,147	9,835	170,440	4,931,915	
Oct-51	125	24,018	17,967	16,317	12,206	170,685	4,030,552	
Nov-51	125	24,803	18,554	7,744	5,793	170,930	2,201,282	Forecast
Dec-51	125	2,239	1,675	6,154	4,603	171,175	994,937	Data
Jan-52	125	1,945	1,455	3,009	2,251	171,533	802,566	
Feb-52	125	620	464	413	309	171,779	890,362	
Mar-52	125	2,451	1,833	2,655	1,986	172,024	828,958	
Apr-52	125	1,116	835	1,322	989	172,269	880,654	
May-52	125	7,712	5,769	4,187	3,132	172,514	915,581	
Jun-52	125	9,699	7,256	3,700	2,768	172,759	1,709,592	
Jul-52	125	41,538	31,073	12,827	9,595	173,004	3,022,659	
Aug-52	125	31,581	23,624	10,050	7,518	173,254	4,937,945	
Sep-52	125	65,926	49,316	13,412	10,033	173,504	5,031,124	
Oct-52	125	24,480	18,312	16,631	12,441	173,754	4,107,974	
Nov-52	125	25,347	18,961	7,914	5,920	174,004	2,249,604	
Dec-52	125	2,305	1,724	6,336	4,740	174,254	1,024,493	
Jan-53	125	2,000	1,496	3,093	2,313	174,620	824,895	
Feb-53	125	638	477	425	318	174,870	916,075	
Mar-53	125	2,518	1,884	2,728	2,041	175,120	851,686	
Apr-53	125	1,147	858	1,359	1,017	175,370	905,508	
May-53	125	7,984	5,972	4,335	3,243	175,620	947,877	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics							
Month	Public Authority Customers	Public Authority Water Sales (100 Cu. Ft)	Actual Public Authority Water Sales (1,000 Gal.)	Other Water Sales (100 Cu. Ft)	Other Water Sales (1,000 Gal.)	Suez Total Customers	Total Water Sales (1,000 Gal.)	
Jun-53	125	9,968	7,457	3,803	2,844	175,870	1,757,016	
Jul-53	125	42,445	31,751	13,107	9,805	176,120	3,088,648	
Aug-53	125	32,213	24,097	10,251	7,668	176,376	5,036,822	
Sep-53	125	67,245	50,302	13,680	10,234	176,631	5,131,790	
Oct-53	125	24,947	18,662	16,948	12,678	176,886	4,186,431	
Nov-53	125	25,897	19,372	8,085	6,048	177,141	2,298,378	
Dec-53	125	2,372	1,774	6,519	4,877	177,396	1,054,106	
Jan-54	125	2,054	1,536	3,177	2,376	177,769	847,269	
Feb-54	125	656	491	437	327	178,024	941,839	
Mar-54	125	2,585	1,934	2,801	2,095	178,279	874,466	
Apr-54	125	1,179	882	1,396	1,045	178,534	930,414	
May-54	125	8,257	6,177	4,483	3,354	178,790	980,315	
Jun-54	125	9,795	7,327	3,736	2,795	179,045	1,726,416	
Jul-54	125	42,549	31,828	13,139	9,829	179,300	3,096,168	
Aug-54	125	32,479	24,296	10,336	7,732	179,569	5,078,474	
Sep-54	125	67,813	50,728	13,796	10,320	179,838	5,175,165	
Oct-54	125	25,147	18,812	17,084	12,780	180,107	4,220,003	
Nov-54	125	25,797	19,298	8,054	6,025	180,376	2,289,559	
Dec-54	125	2,284	1,708	6,278	4,696	180,645	1,015,040	
Jan-55	125	1,995	1,492	3,085	2,308	181,034	822,805	
Feb-55	125	634	474	422	316	181,304	910,048	
Mar-55	125	2,515	1,881	2,724	2,038	181,573	850,482	
Apr-55	125	1,142	854	1,353	1,012	181,842	901,420	
May-55	125	7,920	5,925	4,300	3,217	182,111	940,347	
Jun-55	125	10,073	7,535	3,842	2,874	182,381	1,775,469	
Jul-55	125	43,500	32,540	13,433	10,048	182,650	3,165,401	
Aug-55	125	33,147	24,795	10,548	7,891	182,924	5,182,798	
Sep-55	125	69,205	51,769	14,079	10,532	183,199	5,281,420	
Oct-55	125	25,639	19,179	17,418	13,030	183,474	4,302,526	
Nov-55	125	26,369	19,725	8,233	6,158	183,748	2,340,323	
Dec-55	125	2,352	1,759	6,465	4,836	184,023	1,045,239	
Jan-56	125	2,050	1,533	3,170	2,372	184,420	845,585	
Feb-56	125	652	488	434	325	184,695	936,309	
Mar-56	125	2,583	1,932	2,799	2,094	184,969	873,697	
Apr-56	125	1,174	878	1,391	1,041	185,244	926,814	
May-56	125	8,200	6,134	4,452	3,330	185,519	973,541	Forecast
Jun-56	125	10,354	7,746	3,950	2,955	185,794	1,825,010	Data
Jul-56	125	44,464	33,261	13,730	10,271	186,069	3,235,557	
Aug-56	125	33,824	25,302	10,764	8,052	186,349	5,288,707	
Sep-56	125	70,619	52,826	14,367	10,747	186,629	5,389,299	
Oct-56	125	26,138	19,552	17,757	13,283	186,910	4,386,199	
Nov-56	125	26,947	20,158	8,413	6,293	187,190	2,391,591	
Dec-56	125	2,420	1,810	6,652	4,976	187,471	1,075,502	
Jan-57	125	2,105	1,575	3,256	2,436	187,875	868,413	
Feb-57	125	671	502	446	334	188,156	962,625	
Mar-57	125	2,652	1,984	2,873	2,149	188,436	896,967	
Apr-57	125	1,207	903	1,429	1,069	188,717	952,265	
May-57	125	8,481	6,344	4,605	3,445	188,998	1,006,895	
Jun-57	125	10,638	7,958	4,058	3,035	189,278	1,874,992	
Jul-57	125	45,441	33,992	14,032	10,497	189,559	3,306,648	
Aug-57	125	34,511	25,816	10,982	8,215	189,845	5,396,224	
Sep-57	125	72,054	53,900	14,659	10,965	190,131	5,498,828	
Oct-57	125	26,643	19,931	18,101	13,540	190,417	4,471,040	
Nov-57	125	27,530	20,594	8,595	6,430	190,703	2,443,366	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics							
Month	Public Authority Customers	Public Authority Water Sales (100 Cu. Ft)	Actual Public Authority Water Sales (1,000 Gal.)	Other Water Sales (100 Cu. Ft)	Other Water Sales (1,000 Gal.)	Suez Total Customers	Total Water Sales (1,000 Gal.)	
Dec-57	125	2,488	1,861	6,839	5,116	190,989	1,105,822	
Jan-58	125	2,161	1,616	3,342	2,500	191,402	891,285	
Feb-58	125	689	515	459	343	191,689	988,993	
Mar-58	125	2,721	2,035	2,948	2,205	191,975	920,289	
Apr-58	125	1,239	927	1,468	1,098	192,262	977,769	
May-58	125	8,763	6,555	4,758	3,559	192,548	1,040,406	
Jun-58	125	10,462	7,826	3,991	2,985	192,834	1,843,985	
Jul-58	125	45,586	34,100	14,077	10,530	193,121	3,317,162	
Aug-58	125	34,819	26,046	11,080	8,289	193,413	5,444,312	
Sep-58	125	72,707	54,388	14,792	11,065	193,705	5,548,648	
Oct-58	125	26,869	20,100	18,254	13,655	193,997	4,508,951	
Nov-58	125	27,436	20,524	8,566	6,408	194,289	2,435,054	
Dec-58	125	2,395	1,792	6,585	4,926	194,581	1,064,648	
Jan-59	125	2,098	1,569	3,245	2,427	195,002	865,473	
Feb-59	125	666	498	443	331	195,295	955,438	
Mar-59	125	2,646	1,979	2,867	2,145	195,587	894,964	
Apr-59	125	1,200	898	1,422	1,063	195,879	947,133	
May-59	125	8,410	6,291	4,566	3,416	196,171	998,503	
Jun-59	125	10,752	8,043	4,101	3,068	196,464	1,895,078	
Jul-59	125	46,591	34,853	14,387	10,762	196,756	3,390,347	
Aug-59	125	35,529	26,577	11,306	8,458	197,054	5,555,306	
Sep-59	125	74,189	55,497	15,093	11,290	197,352	5,661,738	
Oct-59	125	27,390	20,489	18,608	13,920	197,650	4,596,321	
Nov-59	125	28,033	20,970	8,752	6,547	197,949	2,488,019	
Dec-59	125	2,464	1,843	6,774	5,067	198,247	1,095,250	
Jan-60	125	2,154	1,611	3,331	2,492	198,676	888,566	
Feb-60	125	684	512	455	341	198,975	982,054	
Mar-60	125	2,716	2,031	2,942	2,201	199,273	918,523	
Apr-60	125	1,233	922	1,460	1,092	199,571	972,886	
May-60	125	8,697	6,506	4,722	3,532	199,870	1,032,524	
Jun-60	125	11,044	8,262	4,213	3,151	200,168	1,946,618	
Jul-60	125	47,610	35,615	14,702	10,998	200,466	3,464,505	
Aug-60	125	36,250	27,116	11,536	8,629	200,771	5,667,986	
Sep-60	125	75,693	56,622	15,399	11,519	201,075	5,776,557	
Oct-60	125	27,918	20,884	18,966	14,188	201,379	4,684,909	
Nov-60	125	28,636	21,421	8,940	6,688	201,683	2,541,501	Forecast
Dec-60	125	2,533	1,895	6,963	5,209	201,988	1,125,892	Data
Jan-61	125	2,210	1,653	3,418	2,557	202,426	911,692	
Feb-61	125	703	526	468	350	202,730	1,008,705	
Mar-61	125	2,785	2,084	3,018	2,258	203,035	942,122	
Apr-61	125	1,265	947	1,499	1,121	203,339	998,678	
May-61	125	8,985	6,721	4,878	3,649	203,644	1,066,693	
Jun-61	125	11,339	8,482	4,325	3,236	203,948	1,998,608	
Jul-61	125	48,643	36,387	15,021	11,236	204,253	3,539,651	
Aug-61	125	36,981	27,664	11,768	8,803	204,563	5,782,378	
Sep-61	125	77,221	57,765	15,710	11,752	204,874	5,893,131	
Oct-61	125	28,453	21,284	19,330	14,460	205,184	4,774,731	
Nov-61	125	29,244	21,876	9,130	6,830	205,495	2,595,504	
Dec-61	125	2,602	1,947	7,153	5,351	205,805	1,156,568	
Jan-62	125	2,266	1,695	3,505	2,622	206,252	934,844	
Feb-62	125	721	540	480	359	206,563	1,035,385	
Mar-62	125	2,855	2,136	3,094	2,314	206,874	965,756	
Apr-62	125	1,298	971	1,538	1,150	207,184	1,024,505	
May-62	125	9,274	6,937	5,035	3,767	207,495	1,101,008	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Monthly Number of Customers and Water Sales Statistics							
Month	Public Authority Customers	Public Authority Water Sales (100 Cu. Ft)	Actual Public Authority Water Sales (1,000 Gal.)	Other Water Sales (100 Cu. Ft)	Other Water Sales (1,000 Gal.)	Suez Total Customers	Total Water Sales (1,000 Gal.)	
Jun-62	125	11,157	8,346	4,256	3,184	207,806	1,966,451	
Jul-62	125	48,812	36,514	15,073	11,275	208,117	3,551,952	
Aug-62	125	37,319	27,916	11,876	8,884	208,434	5,835,140	
Sep-62	125	77,937	58,301	15,856	11,861	208,750	5,947,787	
Oct-62	125	28,698	21,468	19,497	14,585	209,067	4,815,885	
Nov-62	125	29,149	21,805	9,101	6,808	209,384	2,587,072	
Dec-62	125	2,504	1,873	6,883	5,149	209,701	1,112,890	
Jan-63	125	2,200	1,646	3,402	2,545	210,157	907,457	
Feb-63	125	697	521	464	347	210,474	999,784	
Mar-63	125	2,776	2,077	3,008	2,250	210,791	938,888	
Apr-63	125	1,257	940	1,489	1,114	211,108	991,998	
May-63	125	8,903	6,660	4,834	3,616	211,425	1,056,949	
Jun-63	125	11,458	8,571	4,371	3,270	211,743	2,019,568	
Jul-63	125	49,875	37,309	15,401	11,521	212,060	3,629,297	
Aug-63	125	38,074	28,481	12,116	9,063	212,383	5,953,220	
Sep-63	125	79,514	59,481	16,176	12,101	212,706	6,068,140	
Oct-63	125	29,250	21,880	19,871	14,865	213,030	4,908,378	
Nov-63	125	29,772	22,271	9,295	6,953	213,353	2,642,291	
Dec-63	125	2,573	1,925	7,074	5,292	213,676	1,143,795	
Jan-64	125	2,256	1,688	3,490	2,611	214,142	930,797	
Feb-64	125	715	535	476	356	214,465	1,026,669	
Mar-64	125	2,846	2,129	3,084	2,307	214,789	962,727	
Apr-64	125	1,290	965	1,528	1,143	215,112	1,018,034	
May-64	125	9,196	6,879	4,993	3,735	215,436	1,091,749	Forecast
Jun-64	125	11,762	8,799	4,487	3,356	215,760	2,073,140	Data
Jul-64	125	50,952	38,115	15,734	11,770	216,083	3,707,670	
Aug-64	125	38,840	29,055	12,360	9,246	216,413	6,073,092	
Sep-64	125	81,115	60,678	16,502	12,344	216,743	6,190,331	
Oct-64	125	29,808	22,298	20,251	15,149	217,073	5,002,160	
Nov-64	125	30,400	22,740	9,491	7,100	217,403	2,698,041	
Dec-64	125	2,643	1,977	7,265	5,435	217,733	1,174,710	
Jan-65	125	2,313	1,730	3,577	2,676	218,207	954,150	
Feb-65	125	734	549	489	365	218,538	1,053,566	
Mar-65	125	2,917	2,182	3,160	2,364	218,868	986,587	
Apr-65	125	1,323	990	1,567	1,172	219,198	1,044,086	
May-65	125	9,490	7,099	5,153	3,854	219,528	1,126,684	
Jun-65	125	12,069	9,028	4,604	3,444	219,858	2,127,169	
Jul-65	125	52,043	38,931	16,071	12,022	220,188	3,787,083	
Aug-65	125	39,619	29,637	12,608	9,431	220,525	6,194,778	
Sep-65	125	82,741	61,894	16,833	12,592	220,862	6,314,377	
Oct-65	125	30,375	22,722	20,636	15,437	221,198	5,097,231	
Nov-65	125	31,034	23,215	9,689	7,248	221,535	2,754,309	
Dec-65	125	2,713	2,029	7,457	5,578	221,872	1,205,618	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

Month	Estimated Water Production and Other (Non-billed) Water Uses						
	Total Water Production (1,000 Gal.)	Estimated Company Water Use (1,000 Gal.)	Estimated Hydrant Water Use (1,000 Gal.)	Estimated System Water Losses (1,000 Gal.)	Monthly: Gallons of Water Produced (1,000 Gal.)	Peak Day: Gallons of Water Produced (1,000 Gal.)	
Jan-95	549,435	181	59	35,475	549,435	20,329	
Feb-95	492,899	337	12	29,340	492,899	18,237	
Mar-95	552,665	369	38	32,671	552,665	20,449	
Apr-95	753,722	564	40	44,562	753,722	27,888	
May-95	1,002,109	2,874	156	92,181	1,002,109	37,078	
Jun-95	1,584,201	1,749	304	138,658	1,584,201	58,615	
Jul-95	2,048,911	4,023	1,935	160,507	2,048,911	75,810	
Aug-95	2,072,811	3,670	985	48,978	2,072,811	76,694	
Sep-95	1,591,730	2,121	432	24,344	1,591,730	58,894	
Oct-95	913,871	628	498	23,069	913,871	33,813	
Nov-95	596,071	257	245	22,963	596,071	22,055	
Dec-95	573,038	294	87	25,860	573,038	21,202	
Jan-96	584,170	192	63	37,718	584,170	21,614	
Feb-96	556,836	380	13	33,146	556,836	20,603	
Mar-96	597,910	400	41	35,346	597,910	22,123	
Apr-96	734,181	550	39	43,407	734,181	27,165	
May-96	1,151,294	3,302	179	105,905	1,151,294	42,598	
Jun-96	1,881,006	2,077	361	164,636	1,881,006	69,597	
Jul-96	2,254,715	4,427	2,129	176,629	2,254,715	83,424	
Aug-96	2,145,250	3,798	1,020	50,689	2,145,250	79,374	
Sep-96	1,460,038	1,945	396	22,330	1,460,038	54,021	
Oct-96	1,000,586	688	546	25,258	1,000,586	37,022	
Nov-96	586,167	253	241	22,581	586,167	21,688	
Dec-96	580,241	298	88	26,185	580,241	21,469	
Jan-97	565,518	186	61	36,514	565,518	20,924	
Feb-97	530,770	363	13	31,595	530,770	19,638	
Mar-97	646,877	432	45	38,240	646,877	23,934	
Apr-97	962,740	721	51	56,919	962,740	35,621	
May-97	1,544,451	4,430	240	142,070	1,544,451	57,145	
Jun-97	1,631,672	1,801	313	142,813	1,631,672	60,372	
Jul-97	2,067,513	4,059	1,952	161,964	2,067,513	76,498	
Aug-97	2,106,154	3,729	1,001	49,766	2,106,154	77,928	
Sep-97	1,538,273	2,050	417	23,527	1,538,273	56,916	
Oct-97	1,041,368	716	568	26,288	1,041,368	38,531	
Nov-97	601,240	259	247	23,162	601,240	22,246	Historic
Dec-97	597,922	307	91	26,983	597,922	22,123	Data
Jan-98	587,754	193	63	37,949	587,754	21,747	
Feb-98	528,392	361	13	31,453	528,392	19,551	
Mar-98	619,753	414	43	36,637	619,753	22,931	
Apr-98	893,658	669	47	52,835	893,658	33,065	
May-98	1,050,021	3,011	163	96,589	1,050,021	38,851	
Jun-98	1,405,438	1,552	270	123,012	1,405,438	52,001	
Jul-98	2,257,691	4,433	2,132	176,862	2,257,691	83,535	
Aug-98	2,256,000	3,994	1,072	53,306	2,256,000	83,472	
Sep-98	1,505,876	2,006	408	23,031	1,505,876	55,717	
Oct-98	1,085,076	746	592	27,391	1,085,076	40,148	
Nov-98	588,876	254	242	22,686	588,876	21,788	
Dec-98	611,075	314	93	27,577	611,075	22,610	
Jan-99	625,855	206	68	40,410	625,855	23,157	
Feb-99	554,013	378	13	32,978	554,013	20,498	
Mar-99	648,480	434	45	38,335	648,480	23,994	
Apr-99	985,136	738	52	58,244	985,136	36,450	
May-99	1,525,386	4,375	237	140,316	1,525,386	56,439	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Estimated Water Production and Other (Non-billed) Water Uses						
Month	Total Water Production (1,000 Gal.)	Estimated Company Water Use (1,000 Gal.)	Estimated Hydrant Water Use (1,000 Gal.)	Estimated System Water Losses (1,000 Gal.)	Monthly: Gallons of Water Produced (1,000 Gal.)	Peak Day: Gallons of Water Produced (1,000 Gal.)	
Jun-99	2,049,151	2,262	393	179,353	2,049,151	75,819	
Jul-99	2,665,581	5,233	2,517	208,815	2,665,581	98,626	
Aug-99	2,334,538	4,133	1,110	55,162	2,334,538	86,378	
Sep-99	1,821,486	2,427	494	27,858	1,821,486	67,395	
Oct-99	1,235,905	850	674	31,199	1,235,905	45,728	
Nov-99	662,948	286	273	25,539	662,948	24,529	
Dec-99	647,800	332	98	29,234	647,800	23,969	
Jan-00	647,217	213	70	41,789	647,217	23,947	
Feb-00	603,984	413	15	35,953	603,984	22,347	
Mar-00	662,767	443	46	39,180	662,767	24,522	
Apr-00	1,013,354	759	53	59,912	1,013,354	37,494	
May-00	1,603,929	4,600	249	147,538	1,603,929	59,345	
Jun-00	2,257,382	2,492	433	197,579	2,257,382	83,523	
Jul-00	2,703,881	5,309	2,553	211,815	2,703,881	100,044	
Aug-00	2,528,193	4,476	1,202	59,738	2,528,193	93,543	
Sep-00	1,652,780	2,202	448	25,278	1,652,780	61,153	
Oct-00	1,054,590	715	567	26,250	1,054,590	39,020	
Nov-00	679,909	293	280	26,193	679,909	25,157	
Dec-00	666,757	342	101	30,090	666,757	24,670	
Jan-01	650,370	214	70	41,992	650,370	24,064	
Feb-01	585,450	400	14	34,850	585,450	21,662	
Mar-01	673,813	450	47	39,833	673,813	24,931	
Apr-01	873,203	653	46	51,578	873,203	32,309	
May-01	1,782,537	5,112	277	163,971	1,782,537	65,954	
Jun-01	2,131,359	2,353	409	186,549	2,131,359	78,860	
Jul-01	2,404,426	4,721	2,270	188,357	2,404,426	88,964	
Aug-01	2,468,964	4,369	1,173	58,304	2,468,964	91,352	
Sep-01	1,899,586	2,531	515	29,053	1,899,586	70,285	
Oct-01	1,206,793	830	658	30,464	1,206,793	44,651	
Nov-01	646,224	279	266	24,895	646,224	23,910	
Dec-01	636,760	327	96	28,736	636,760	23,560	
Jan-02	636,133	209	69	41,073	636,133	23,537	
Feb-02	558,947	382	14	33,272	558,947	20,681	
Mar-02	629,570	421	43	37,217	629,570	23,294	
Apr-02	959,665	719	50	56,738	959,665	35,508	
May-02	1,812,750	5,199	282	166,750	1,812,750	67,072	Historic
Jun-02	2,197,746	2,424	421	192,188	2,197,746	81,317	Data
Jul-02	2,617,247	5,138	2,471	205,029	2,617,247	96,838	
Aug-02	2,330,024	4,125	1,107	55,055	2,330,024	86,211	
Sep-02	1,700,761	2,266	461	26,012	1,700,761	62,928	
Oct-02	1,177,308	810	642	29,719	1,177,308	43,560	
Nov-02	625,750	270	257	24,106	625,750	23,153	
Dec-02	622,134	319	94	28,076	622,134	23,019	
Jan-03	621,910	205	67	40,155	621,910	23,011	
Feb-03	563,165	385	14	33,523	563,165	20,837	
Mar-03	656,728	439	45	38,823	656,728	24,299	
Apr-03	838,477	628	44	49,573	838,477	31,024	
May-03	1,363,994	3,912	212	125,470	1,363,994	50,468	
Jun-03	2,230,772	2,463	428	195,250	2,230,772	82,539	
Jul-03	2,682,510	5,267	2,533	210,141	2,682,510	99,253	
Aug-03	2,358,848	4,176	1,121	55,736	2,358,848	87,277	
Sep-03	1,786,281	2,380	485	27,320	1,786,281	66,092	
Oct-03	1,351,732	929	737	34,122	1,351,732	50,014	
Nov-03	633,290	273	261	24,397	633,290	23,432	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Estimated Water Production and Other (Non-billed) Water Uses						
Month	Total Water Production (1,000 Gal.)	Estimated Company Water Use (1,000 Gal.)	Estimated Hydrant Water Use (1,000 Gal.)	Estimated System Water Losses (1,000 Gal.)	Monthly: Gallons of Water Produced (1,000 Gal.)	Peak Day: Gallons of Water Produced (1,000 Gal.)	
Dec-03	622,130	319	94	28,076	622,130	23,019	
Jan-04	643,681	212	69	41,560	643,681	23,816	
Feb-04	599,339	409	15	35,676	599,339	22,176	
Mar-04	738,841	494	51	43,677	738,841	27,337	
Apr-04	1,348,400	1,010	71	79,721	1,348,400	49,891	
May-04	1,490,925	4,276	232	137,146	1,490,925	55,164	
Jun-04	1,960,834	2,165	376	171,623	1,960,834	72,551	
Jul-04	2,433,390	4,778	2,298	190,626	2,433,390	90,035	
Aug-04	2,235,393	3,958	1,062	52,819	2,235,393	82,710	
Sep-04	1,634,760	2,178	443	25,002	1,634,760	60,486	
Oct-04	1,163,797	800	635	29,378	1,163,797	43,060	
Nov-04	645,371	278	266	24,862	645,371	23,879	
Dec-04	649,779	334	98	29,323	649,779	24,042	
Jan-05	630,810	208	68	40,729	630,810	23,340	
Feb-05	554,800	379	13	33,025	554,800	20,528	
Mar-05	684,009	457	47	40,436	684,009	25,308	
Apr-05	871,934	653	46	51,551	871,934	32,262	
May-05	1,159,130	3,324	180	106,625	1,159,130	42,888	
Jun-05	1,649,381	1,821	316	144,363	1,649,381	61,027	
Jul-05	2,544,565	4,996	2,403	199,335	2,544,565	94,149	
Aug-05	2,535,798	4,490	1,205	59,918	2,535,798	93,825	
Sep-05	1,761,981	2,348	478	26,948	1,761,981	65,193	
Oct-05	1,082,645	744	590	27,330	1,082,645	40,058	
Nov-05	639,063	276	263	24,619	639,063	23,645	
Dec-05	665,291	341	101	30,023	665,291	24,616	
Jan-06	669,396	220	72	43,221	669,396	24,768	
Feb-06	605,618	414	15	36,050	605,618	22,408	
Mar-06	665,765	445	46	39,357	665,765	24,633	
Apr-06	842,930	631	44	49,836	842,930	31,188	
May-06	1,653,415	4,742	257	152,093	1,653,415	61,176	
Jun-06	1,932,519	2,134	371	169,145	1,932,519	71,503	
Jul-06	2,604,008	5,112	2,459	203,991	2,604,008	96,348	
Aug-06	2,457,928	4,352	1,168	58,078	2,457,928	90,943	
Sep-06	1,798,097	2,396	488	27,500	1,798,097	66,530	
Oct-06	1,125,741	774	614	28,418	1,125,741	41,652	
Nov-06	659,621	285	271	25,411	659,621	24,406	Historic
Dec-06	669,473	344	101	30,212	669,473	24,771	Data
Jan-07	685,340	0	74	44,250	685,340	25,358	
Feb-07	609,021	30	15	36,253	609,021	22,534	
Mar-07	755,874	50	52	44,684	755,874	27,967	
Apr-07	1,105,267	22,155	58	65,346	1,105,267	40,895	
May-07	1,915,405	18,690	298	176,193	1,915,405	70,870	
Jun-07	2,142,276	2,390	411	187,504	2,142,276	79,264	
Jul-07	2,637,599	2,273	2,490	206,623	2,637,599	97,591	
Aug-07	2,402,853	3,717	1,142	56,776	2,402,853	88,906	
Sep-07	1,790,968	3,657	486	27,391	1,790,968	66,266	
Oct-07	956,963	3,180	522	24,157	956,963	35,408	
Nov-07	634,598	2,504	261	24,447	634,598	23,480	
Dec-07	645,219	1,182	98	29,118	645,219	23,873	
Jan-08	653,178	744	70	42,174	653,178	24,168	
Feb-08	622,678	676	15	37,066	622,678	23,039	
Mar-08	661,319	1,567	46	39,094	661,319	24,469	
Apr-08	925,039	20,613	49	54,690	925,039	34,226	
May-08	1,710,966	26,862	266	157,387	1,710,966	63,306	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Estimated Water Production and Other (Non-billed) Water Uses						
Month	Total Water Production (1,000 Gal.)	Estimated Company Water Use (1,000 Gal.)	Estimated Hydrant Water Use (1,000 Gal.)	Estimated System Water Losses (1,000 Gal.)	Monthly: Gallons of Water Produced (1,000 Gal.)	Peak Day: Gallons of Water Produced (1,000 Gal.)	
Jun-08	1,925,550	2,308	369	168,535	1,925,550	71,245	
Jul-08	2,541,910	3,595	2,400	199,127	2,541,910	94,051	
Aug-08	2,424,938	4,532	1,153	57,298	2,424,938	89,723	
Sep-08	1,780,917	14,254	483	27,238	1,780,917	65,894	
Oct-08	941,556	6,347	513	23,768	941,556	34,838	
Nov-08	624,482	2,329	257	24,057	624,482	23,106	
Dec-08	642,677	2,669	97	29,003	642,677	23,779	
Jan-09	646,635	563	59	41,751	646,635	23,925	
Feb-09	588,486	1,670	13	35,030	588,486	21,774	
Mar-09	650,070	843	40	38,429	650,070	24,053	
Apr-09	913,508	32,957	47	54,009	913,508	33,800	
May-09	1,615,916	31,834	216	148,644	1,615,916	59,789	
Jun-09	1,642,496	3,610	375	143,761	1,642,496	60,772	
Jul-09	2,413,355	5,591	2,142	189,056	2,413,355	89,294	
Aug-09	2,135,406	4,456	1,019	50,457	2,135,406	79,010	
Sep-09	1,868,031	8,417	431	28,570	1,868,031	69,117	
Oct-09	898,812	4,828	634	22,689	898,812	33,256	
Nov-09	604,569	4,349	249	23,290	604,569	22,369	
Dec-09	654,167	1,640	78	29,521	654,167	24,204	
Jan-10	638,002	4,307	60	41,194	638,002	23,606	
Feb-10	565,816	5,136	13	33,681	565,816	20,935	
Mar-10	652,703	5,755	38	38,585	652,703	24,150	
Apr-10	830,949	30,804	49	49,128	830,949	30,745	
May-10	1,188,313	33,505	174	109,310	1,188,313	43,968	
Jun-10	1,511,433	1,959	273	132,289	1,511,433	55,923	
Jul-10	2,359,746	9,613	1,827	184,857	2,359,746	87,311	
Aug-10	2,228,110	111	1,025	52,647	2,228,110	82,440	
Sep-10	1,731,612	4,107	434	26,484	1,731,612	64,070	
Oct-10	1,068,843	5,252	591	26,981	1,068,843	39,547	Historic
Nov-10	600,008	3,649	279	23,115	600,008	22,200	Data
Dec-10	618,409	6,138	83	27,908	618,409	22,881	
Jan-11	600,533	3,618	62	38,775	600,533	22,220	
Feb-11	540,766	1,735	14	32,190	540,766	20,008	
Mar-11	594,413	968	40	35,139	594,413	21,993	
Apr-11	671,844	29,259	47	39,721	671,844	24,858	
May-11	1,024,655	24,124	166	94,255	1,024,655	37,912	
Jun-11	1,492,084	2,700	259	130,596	1,492,084	55,207	
Jul-11	2,294,124	2,597	1,704	179,716	2,294,124	84,883	
Aug-11	2,310,865	5,390	1,023	54,603	2,310,865	85,502	
Sep-11	1,858,208	4,059	464	28,420	1,858,208	68,754	
Oct-11	939,187	2,260	639	23,708	939,187	34,750	
Nov-11	590,987	255	290	22,767	590,987	21,867	
Dec-11	618,208	317	88	27,899	618,208	22,874	
Jan-12	615,914	877	59	39,768	615,914	21,619	
Feb-12	586,758	1,029	14	34,927	586,758	20,595	
Mar-12	662,839	1,042	46	39,184	662,839	23,266	
Apr-12	970,946	13,291	51	57,405	970,946	34,080	
May-12	1,311,937	12,788	204	120,682	1,311,937	46,049	
Jun-12	1,659,956	2,123	318	145,289	1,659,956	58,264	Forecast
Jul-12	2,346,637	4,604	2,216	183,830	2,346,637	82,367	Data
Aug-12	2,434,945	4,115	1,157	57,535	2,434,945	85,467	
Sep-12	1,769,804	4,194	480	27,068	1,769,804	62,120	
Oct-12	1,364,478	3,120	744	34,444	1,364,478	47,893	
Nov-12	700,216	1,526	288	26,975	700,216	24,578	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Estimated Water Production and Other (Non-billed) Water Uses						
Month	Total Water Production (1,000 Gal.)	Estimated Company Water Use (1,000 Gal.)	Estimated Hydrant Water Use (1,000 Gal.)	Estimated System Water Losses (1,000 Gal.)	Monthly: Gallons of Water Produced (1,000 Gal.)	Peak Day: Gallons of Water Produced (1,000 Gal.)	
Dec-12	564,348	1,129	86	25,468	564,348	19,809	
Jan-13	599,769	854	65	38,725	599,769	21,052	
Feb-13	630,657	1,106	15	37,541	630,657	22,136	
Mar-13	712,648	1,120	49	42,129	712,648	25,014	
Apr-13	1,041,913	14,263	55	61,600	1,041,913	36,571	
May-13	1,398,413	13,631	217	128,636	1,398,413	49,084	
Jun-13	1,715,816	2,194	329	150,178	1,715,816	60,225	
Jul-13	2,414,137	4,736	2,279	189,118	2,414,137	84,736	
Aug-13	2,583,719	4,366	1,228	61,050	2,583,719	90,689	
Sep-13	1,878,127	4,450	509	28,724	1,878,127	65,922	
Oct-13	1,399,893	3,201	763	35,338	1,399,893	49,136	
Nov-13	719,815	1,569	296	27,730	719,815	25,265	
Dec-13	582,323	1,165	88	26,279	582,323	20,440	
Jan-14	618,027	880	67	39,904	618,027	21,693	
Feb-14	649,309	1,138	16	38,651	649,309	22,791	
Mar-14	733,525	1,153	51	43,363	733,525	25,747	
Apr-14	1,071,695	14,670	56	63,361	1,071,695	37,617	
May-14	1,442,744	14,064	224	132,714	1,442,744	50,640	
Jun-14	1,709,752	2,186	328	149,647	1,709,752	60,012	
Jul-14	2,437,329	4,782	2,301	190,934	2,437,329	85,550	
Aug-14	2,642,346	4,465	1,256	62,435	2,642,346	92,746	
Sep-14	1,921,013	4,552	521	29,380	1,921,013	67,428	
Oct-14	1,420,233	3,248	774	35,852	1,420,233	49,850	
Nov-14	724,148	1,578	298	27,897	724,148	25,418	
Dec-14	575,858	1,152	87	25,987	575,858	20,213	
Jan-15	613,636	874	66	39,621	613,636	21,539	
Feb-15	643,210	1,128	16	38,288	643,210	22,577	
Mar-15	728,934	1,146	50	43,091	728,934	25,586	
Apr-15	1,063,109	14,553	56	62,854	1,063,109	37,315	
May-15	1,422,033	13,862	221	130,809	1,422,033	49,913	
Jun-15	1,759,658	2,250	338	154,015	1,759,658	61,764	
Jul-15	2,498,728	4,902	2,359	195,744	2,498,728	87,705	
Aug-15	2,726,502	4,607	1,296	64,424	2,726,502	95,700	
Sep-15	1,981,942	4,696	538	30,312	1,981,942	69,566	
Oct-15	1,452,662	3,322	792	36,670	1,452,662	50,988	
Nov-15	741,855	1,617	305	28,579	741,855	26,039	Forecast
Dec-15	591,950	1,184	90	26,714	591,950	20,777	Data
Jan-16	630,998	899	68	40,742	630,998	22,148	
Feb-16	661,074	1,159	16	39,351	661,074	23,204	
Mar-16	749,206	1,177	52	44,290	749,206	26,297	
Apr-16	1,092,301	14,952	57	64,579	1,092,301	38,340	
May-16	1,466,494	14,295	228	134,899	1,466,494	51,474	
Jun-16	1,807,658	2,312	347	158,217	1,807,658	63,449	
Jul-16	2,557,958	5,018	2,415	200,384	2,557,958	89,784	
Aug-16	2,831,859	4,785	1,346	66,913	2,831,859	99,398	
Sep-16	2,058,553	4,878	558	31,484	2,058,553	72,255	
Oct-16	1,484,373	3,394	809	37,471	1,484,373	52,102	
Nov-16	759,151	1,654	312	29,245	759,151	26,646	
Dec-16	607,653	1,216	92	27,422	607,653	21,329	
Jan-17	648,067	923	70	41,844	648,067	22,747	
Feb-17	678,674	1,190	16	40,399	678,674	23,821	
Mar-17	769,293	1,209	53	45,477	769,293	27,002	
Apr-17	1,121,313	15,350	59	66,295	1,121,313	39,358	
May-17	1,511,094	14,730	235	139,002	1,511,094	53,039	

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	Estimated Water Production and Other (Non-billed) Water Uses						
Month	Total Water Production (1,000 Gal.)	Estimated Company Water Use (1,000 Gal.)	Estimated Hydrant Water Use (1,000 Gal.)	Estimated System Water Losses (1,000 Gal.)	Monthly: Gallons of Water Produced (1,000 Gal.)	Peak Day: Gallons of Water Produced (1,000 Gal.)	
Jun-17	1,855,658	2,373	356	162,418	1,855,658	65,134	
Jul-17	2,616,702	5,133	2,471	204,986	2,616,702	91,846	
Aug-17	2,938,326	4,965	1,397	69,429	2,938,326	103,135	
Sep-17	2,136,050	5,061	579	32,669	2,136,050	74,975	
Oct-17	1,515,820	3,466	827	38,265	1,515,820	53,205	
Nov-17	776,568	1,692	320	29,916	776,568	27,258	
Dec-17	623,927	1,248	95	28,157	623,927	21,900	
Jan-18	665,801	948	72	42,989	665,801	23,370	
Feb-18	697,098	1,222	17	41,496	697,098	24,468	
Mar-18	790,352	1,242	55	46,722	790,352	27,741	
Apr-18	1,151,963	15,769	60	68,107	1,151,963	40,434	
May-18	1,559,069	15,197	242	143,415	1,559,069	54,723	
Jun-18	1,807,154	2,311	347	158,172	1,807,154	63,431	
Jul-18	2,608,996	5,118	2,463	204,382	2,608,996	91,576	
Aug-18	2,998,475	5,067	1,425	70,850	2,998,475	105,246	
Sep-18	2,180,185	5,166	591	33,344	2,180,185	76,525	
Oct-18	1,524,133	3,485	831	38,474	1,524,133	53,497	
Nov-18	769,508	1,677	317	29,644	769,508	27,010	
Dec-18	599,648	1,200	91	27,061	599,648	21,048	
Jan-19	644,086	917	70	41,587	644,086	22,607	
Feb-19	671,648	1,178	16	39,981	671,648	23,575	
Mar-19	765,458	1,203	53	45,250	765,458	26,868	
Apr-19	1,112,144	15,224	58	65,753	1,112,144	39,036	
May-19	1,485,242	14,478	231	136,624	1,485,242	52,132	
Jun-19	1,857,697	2,376	356	162,596	1,857,697	65,205	
Jul-19	2,668,338	5,235	2,519	209,031	2,668,338	93,659	
Aug-19	3,107,232	5,251	1,477	73,420	3,107,232	109,064	
Sep-19	2,259,384	5,354	613	34,556	2,259,384	79,304	
Oct-19	1,555,340	3,557	848	39,262	1,555,340	54,592	
Nov-19	787,144	1,715	324	30,324	787,144	27,629	
Dec-19	616,551	1,234	93	27,824	616,551	21,641	
Jan-20	662,359	943	71	42,766	662,359	23,249	
Feb-20	690,561	1,211	17	41,106	690,561	24,239	
Mar-20	786,931	1,237	54	46,520	786,931	27,621	
Apr-20	1,143,267	15,650	60	67,593	1,143,267	40,129	
May-20	1,534,082	14,954	238	141,116	1,534,082	53,846	Forecast
Jun-20	1,908,832	2,441	366	167,072	1,908,832	67,000	Data
Jul-20	2,728,745	5,353	2,576	213,763	2,728,745	95,779	
Aug-20	3,219,049	5,440	1,530	76,062	3,219,049	112,989	
Sep-20	2,340,867	5,547	635	35,802	2,340,867	82,164	
Oct-20	1,587,170	3,629	866	40,066	1,587,170	55,710	
Nov-20	805,113	1,755	331	31,016	805,113	28,259	
Dec-20	633,743	1,268	96	28,600	633,743	22,244	
Jan-21	680,918	970	73	43,965	680,918	23,900	
Feb-21	709,835	1,244	17	42,254	709,835	24,915	
Mar-21	808,802	1,271	56	47,813	808,802	28,389	
Apr-21	1,175,057	16,085	62	69,472	1,175,057	41,244	
May-21	1,584,143	15,442	246	145,721	1,584,143	55,603	
Jun-21	1,961,404	2,508	376	171,673	1,961,404	68,845	
Jul-21	2,790,954	5,475	2,635	218,636	2,790,954	97,962	
Aug-21	3,334,540	5,635	1,585	78,791	3,334,540	117,042	
Sep-21	2,424,941	5,746	658	37,088	2,424,941	85,115	
Oct-21	1,619,710	3,704	883	40,887	1,619,710	56,852	
Nov-21	823,444	1,795	339	31,722	823,444	28,903	

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Month	Total Water Production (1,000 Gal.)	Estimated Company Water Use (1,000 Gal.)	Estimated Hydrant Water Use (1,000 Gal.)	Estimated System Water Losses (1,000 Gal.)	Monthly: Gallons of Water Produced (1,000 Gal.)	Peak Day: Gallons of Water Produced (1,000 Gal.)	
Dec-21	651,234	1,303	99	29,389	651,234	22,858	
Jan-22	699,744	997	76	45,180	699,744	24,561	
Feb-22	729,363	1,279	18	43,416	729,363	25,601	
Mar-22	830,922	1,306	57	49,120	830,922	29,165	
Apr-22	1,207,153	16,525	63	71,370	1,207,153	42,371	
May-22	1,634,674	15,934	254	150,369	1,634,674	57,377	
Jun-22	1,894,390	2,422	363	165,808	1,894,390	66,493	
Jul-22	2,771,393	5,437	2,617	217,104	2,771,393	97,276	
Aug-22	3,389,741	5,728	1,611	80,095	3,389,741	118,980	
Sep-22	2,465,699	5,842	669	37,711	2,465,699	86,546	
Oct-22	1,624,361	3,714	886	41,004	1,624,361	57,015	
Nov-22	811,896	1,769	334	31,277	811,896	28,498	
Dec-22	619,035	1,239	94	27,936	619,035	21,728	
Jan-23	595,428	848	64	38,445	595,428	20,900	
Feb-23	678,448	1,189	16	40,385	678,448	23,814	
Mar-23	753,230	1,184	52	44,528	753,230	26,438	
Apr-23	1,124,726	15,396	59	66,496	1,124,726	39,478	
May-23	1,500,373	14,625	233	138,015	1,500,373	52,663	
Jun-23	1,941,112	2,482	372	169,897	1,941,112	68,133	
Jul-23	2,834,238	5,560	2,676	222,027	2,834,238	99,482	
Aug-23	3,459,827	5,846	1,644	81,751	3,459,827	121,440	
Sep-23	2,516,515	5,963	683	38,488	2,516,515	88,330	
Oct-23	1,599,408	3,657	872	40,375	1,599,408	56,139	
Nov-23	814,741	1,776	335	31,387	814,741	28,597	
Dec-23	628,694	1,258	95	28,372	628,694	22,067	
Jan-24	689,590	982	74	44,525	689,590	24,205	
Feb-24	715,424	1,254	17	42,586	715,424	25,111	
Mar-24	819,844	1,288	57	48,466	819,844	28,777	
Apr-24	1,186,794	16,246	62	70,166	1,186,794	41,656	
May-24	1,590,204	15,501	247	146,279	1,590,204	55,816	
Jun-24	2,002,285	2,560	384	175,252	2,002,285	70,280	
Jul-24	2,897,727	5,685	2,736	227,001	2,897,727	101,710	
Aug-24	3,530,441	5,966	1,678	83,420	3,530,441	123,918	
Sep-24	2,567,657	6,084	697	39,270	2,567,657	90,125	
Oct-24	1,689,950	3,864	922	42,660	1,689,950	59,317	
Nov-24	849,007	1,850	349	32,707	849,007	29,800	Forecast
Dec-24	654,684	1,310	99	29,545	654,684	22,979	Data
Jan-25	708,716	1,009	76	45,760	708,716	24,876	
Feb-25	735,190	1,289	18	43,763	735,190	25,805	
Mar-25	842,206	1,324	58	49,787	842,206	29,561	
Apr-25	1,219,131	16,689	64	72,078	1,219,131	42,791	
May-25	1,641,352	16,000	255	150,984	1,641,352	57,611	
Jun-25	2,055,687	2,629	394	179,926	2,055,687	72,155	
Jul-25	2,960,641	5,808	2,795	231,929	2,960,641	103,918	
Aug-25	3,600,845	6,085	1,712	85,083	3,600,845	126,390	
Sep-25	2,618,744	6,205	710	40,052	2,618,744	91,918	
Oct-25	1,722,813	3,939	939	43,490	1,722,813	60,471	
Nov-25	867,477	1,890	357	33,419	867,477	30,448	
Dec-25	672,227	1,345	102	30,336	672,227	23,595	
Jan-26	727,665	1,036	79	46,983	727,665	25,541	
Feb-26	754,806	1,323	18	44,931	754,806	26,494	
Mar-26	864,473	1,358	60	51,104	864,473	30,343	
Apr-26	1,251,400	17,130	66	73,986	1,251,400	43,924	
May-26	1,692,568	16,499	263	155,695	1,692,568	59,409	

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Month	Total Water Production (1,000 Gal.)	Estimated Company Water Use (1,000 Gal.)	Estimated Hydrant Water Use (1,000 Gal.)	Estimated System Water Losses (1,000 Gal.)	Monthly: Gallons of Water Produced (1,000 Gal.)	Peak Day: Gallons of Water Produced (1,000 Gal.)	
Jun-26	1,978,313	2,530	380	173,153	1,978,313	69,439	
Jul-26	2,934,597	5,757	2,771	229,889	2,934,597	103,004	
Aug-26	3,604,102	6,090	1,713	85,160	3,604,102	126,504	
Sep-26	2,621,713	6,212	711	40,097	2,621,713	92,022	
Oct-26	1,725,690	3,946	941	43,562	1,725,690	60,572	
Nov-26	853,527	1,860	351	32,881	853,527	29,959	
Dec-26	635,560	1,272	96	28,682	635,560	22,308	
Jan-27	693,968	988	75	44,807	693,968	24,358	
Feb-27	716,135	1,256	17	42,629	716,135	25,136	
Mar-27	825,845	1,298	57	48,820	825,845	28,987	
Apr-27	1,190,664	16,299	62	70,395	1,190,664	41,792	
May-27	1,583,185	15,433	246	145,633	1,583,185	55,570	
Jun-27	2,033,715	2,601	390	178,002	2,033,715	71,383	
Jul-27	3,000,751	5,887	2,833	235,071	3,000,751	105,326	
Aug-27	3,678,376	6,216	1,748	86,915	3,678,376	129,111	
Sep-27	2,675,549	6,340	726	40,920	2,675,549	93,912	
Oct-27	1,760,149	4,025	960	44,432	1,760,149	61,781	
Nov-27	872,740	1,902	359	33,621	872,740	30,633	
Dec-27	653,599	1,308	99	29,496	653,599	22,941	
Jan-28	713,395	1,016	77	46,062	713,395	25,040	
Feb-28	736,258	1,291	18	43,827	736,258	25,843	
Mar-28	848,652	1,334	59	50,169	848,652	29,788	
Apr-28	1,223,711	16,751	64	72,349	1,223,711	42,952	
May-28	1,635,703	15,944	254	150,464	1,635,703	57,413	
Jun-28	2,089,172	2,671	401	182,856	2,089,172	73,330	
Jul-28	3,066,853	6,017	2,896	240,250	3,066,853	107,647	
Aug-28	3,752,668	6,341	1,784	88,671	3,752,668	131,719	
Sep-28	2,729,459	6,467	740	41,745	2,729,459	95,804	
Oct-28	1,794,664	4,104	979	45,304	1,794,664	62,993	
Nov-28	891,974	1,944	367	34,362	891,974	31,308	
Dec-28	671,624	1,344	102	30,309	671,624	23,574	
Jan-29	732,840	1,044	79	47,317	732,840	25,723	
Feb-29	756,400	1,326	18	45,026	756,400	26,550	
Mar-29	871,513	1,370	60	51,520	871,513	30,590	
Apr-29	1,256,845	17,205	66	74,308	1,256,845	44,115	
May-29	1,688,460	16,459	262	155,317	1,688,460	59,265	Forecast
Jun-29	2,145,161	2,743	412	187,757	2,145,161	75,295	Data
Jul-29	3,134,110	6,149	2,959	245,518	3,134,110	110,007	
Aug-29	3,828,675	6,470	1,820	90,467	3,828,675	134,386	
Sep-29	2,784,811	6,599	755	42,592	2,784,811	97,747	
Oct-29	1,830,161	4,185	998	46,200	1,830,161	64,239	
Nov-29	911,708	1,987	375	35,123	911,708	32,001	
Dec-29	689,977	1,381	105	31,137	689,977	24,218	
Jan-30	752,639	1,072	81	48,596	752,639	26,418	
Feb-30	776,975	1,362	19	46,250	776,975	27,272	
Mar-30	894,880	1,406	62	52,901	894,880	31,410	
Apr-30	1,290,810	17,670	68	76,316	1,290,810	45,307	
May-30	1,742,551	16,986	271	160,293	1,742,551	61,164	
Jun-30	2,065,192	2,641	396	180,757	2,065,192	72,488	
Jul-30	3,109,743	6,101	2,936	243,610	3,109,743	109,152	
Aug-30	3,836,035	6,482	1,823	90,640	3,836,035	134,645	
Sep-30	2,790,688	6,612	757	42,681	2,790,688	97,953	
Oct-30	1,834,610	4,195	1,000	46,312	1,834,610	64,395	
Nov-30	897,506	1,956	369	34,575	897,506	31,502	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Estimated Water Production and Other (Non-billed) Water Uses						
Month	Total Water Production (1,000 Gal.)	Estimated Company Water Use (1,000 Gal.)	Estimated Hydrant Water Use (1,000 Gal.)	Estimated System Water Losses (1,000 Gal.)	Monthly: Gallons of Water Produced (1,000 Gal.)	Peak Day: Gallons of Water Produced (1,000 Gal.)	
Dec-30	651,404	1,303	99	29,397	651,404	22,864	
Jan-31	717,055	1,021	77	46,298	717,055	25,169	
Feb-31	736,194	1,291	18	43,823	736,194	25,840	
Mar-31	854,026	1,342	59	50,486	854,026	29,976	
Apr-31	1,226,622	16,791	64	72,521	1,226,622	43,054	
May-31	1,627,285	15,862	253	149,690	1,627,285	57,118	
Jun-31	2,123,734	2,716	407	185,881	2,123,734	74,543	
Jul-31	3,180,495	6,240	3,003	249,152	3,180,495	111,635	
Aug-31	3,916,061	6,617	1,861	92,531	3,916,061	137,454	
Sep-31	2,848,802	6,750	773	43,570	2,848,802	99,993	
Oct-31	1,871,548	4,280	1,021	47,244	1,871,548	65,691	
Nov-31	917,923	2,000	378	35,362	917,923	32,219	
Dec-31	670,285	1,341	102	30,249	670,285	23,527	
Jan-32	648,776	924	70	41,889	648,776	22,772	
Feb-32	737,202	1,292	18	43,883	737,202	25,876	
Mar-32	825,954	1,298	57	48,827	825,954	28,991	
Apr-32	1,226,879	16,795	64	72,536	1,226,879	43,063	
May-32	1,638,373	15,970	255	150,710	1,638,373	57,507	
Jun-32	2,175,110	2,781	417	190,378	2,175,110	76,346	
Jul-32	3,252,280	6,380	3,071	254,775	3,252,280	114,155	
Aug-32	3,997,165	6,754	1,900	94,448	3,997,165	140,300	
Sep-32	2,907,702	6,890	789	44,471	2,907,702	102,060	
Oct-32	1,841,289	4,210	1,004	46,480	1,841,289	64,629	
Nov-32	920,184	2,005	379	35,449	920,184	32,298	
Dec-32	679,790	1,360	103	30,678	679,790	23,861	
Jan-33	757,876	1,079	82	48,934	757,876	26,601	
Feb-33	778,698	1,365	19	46,353	778,698	27,332	
Mar-33	902,131	1,418	62	53,330	902,131	31,665	
Apr-33	1,296,598	17,749	68	76,658	1,296,598	45,511	
May-33	1,739,497	16,956	270	160,012	1,739,497	61,056	
Jun-33	2,243,644	2,869	430	196,377	2,243,644	78,752	
Jul-33	3,325,133	6,523	3,140	260,483	3,325,133	116,712	
Aug-33	4,079,405	6,893	1,939	96,391	4,079,405	143,187	
Sep-33	2,967,385	7,031	805	45,384	2,967,385	104,155	
Oct-33	1,946,856	4,452	1,062	49,145	1,946,856	68,335	
Nov-33	959,546	2,091	395	36,965	959,546	33,680	Forecast Data
Dec-33	708,761	1,418	107	31,985	708,761	24,878	
Jan-34	778,562	1,109	84	50,269	778,562	27,328	
Feb-34	800,201	1,403	19	47,633	800,201	28,087	
Mar-34	926,445	1,456	64	54,767	926,445	32,518	
Apr-34	1,331,907	18,232	70	78,745	1,331,907	46,750	
May-34	1,796,199	17,509	279	165,228	1,796,199	63,047	
Jun-34	2,153,100	2,753	413	188,452	2,153,100	75,574	
Jul-34	3,294,802	6,464	3,111	258,107	3,294,802	115,648	
Aug-34	4,083,371	6,900	1,941	96,485	4,083,371	143,326	
Sep-34	2,970,919	7,040	806	45,438	2,970,919	104,279	
Oct-34	1,949,733	4,458	1,063	49,218	1,949,733	68,436	
Nov-34	942,941	2,055	388	36,326	942,941	33,097	
Dec-34	665,638	1,332	101	30,039	665,638	23,364	
Jan-35	738,711	1,052	80	47,696	738,711	25,929	
Feb-35	754,684	1,323	18	44,923	754,684	26,489	
Mar-35	880,811	1,384	61	52,070	880,811	30,916	
Apr-35	1,260,413	17,254	66	74,519	1,260,413	44,240	
May-35	1,668,764	16,267	259	153,505	1,668,764	58,574	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Estimated Water Production and Other (Non-billed) Water Uses						
Month	Total Water Production (1,000 Gal.)	Estimated Company Water Use (1,000 Gal.)	Estimated Hydrant Water Use (1,000 Gal.)	Estimated System Water Losses (1,000 Gal.)	Monthly: Gallons of Water Produced (1,000 Gal.)	Peak Day: Gallons of Water Produced (1,000 Gal.)	
Jun-35	2,215,833	2,833	425	193,942	2,215,833	77,776	
Jul-35	3,369,875	6,611	3,182	263,988	3,369,875	118,283	
Aug-35	4,167,754	7,043	1,981	98,479	4,167,754	146,288	
Sep-35	3,032,145	7,185	823	46,374	3,032,145	106,428	
Oct-35	1,988,505	4,547	1,084	50,197	1,988,505	69,797	
Nov-35	964,448	2,102	397	37,154	964,448	33,852	
Dec-35	685,618	1,372	104	30,941	685,618	24,065	
Jan-36	760,075	1,082	82	49,076	760,075	26,679	
Feb-36	776,880	1,362	19	46,245	776,880	27,268	
Mar-36	905,859	1,424	63	53,550	905,859	31,796	
Apr-36	1,296,766	17,751	68	76,668	1,296,766	45,516	
May-36	1,727,392	16,838	268	158,898	1,727,392	60,631	
Jun-36	2,278,271	2,913	437	199,407	2,278,271	79,967	
Jul-36	3,444,976	6,758	3,253	269,871	3,444,976	120,919	
Aug-36	4,252,515	7,186	2,021	100,481	4,252,515	149,263	
Sep-36	3,093,687	7,330	839	47,316	3,093,687	108,588	
Oct-36	2,027,431	4,636	1,106	51,179	2,027,431	71,163	
Nov-36	985,915	2,149	406	37,981	985,915	34,606	
Dec-36	705,373	1,411	107	31,832	705,373	24,759	
Jan-37	781,223	1,113	84	50,441	781,223	27,421	
Feb-37	798,869	1,401	19	47,554	798,869	28,040	
Mar-37	930,701	1,463	64	55,019	930,701	32,668	
Apr-37	1,332,848	18,245	70	78,801	1,332,848	46,783	
May-37	1,785,751	17,407	278	164,267	1,785,751	62,680	
Jun-37	2,340,788	2,993	449	204,879	2,340,788	82,162	
Jul-37	3,520,651	6,907	3,324	275,799	3,520,651	123,575	
Aug-37	4,338,124	7,331	2,062	102,504	4,338,124	152,268	
Sep-37	3,155,847	7,478	856	48,266	3,155,847	110,770	
Oct-37	2,066,671	4,726	1,127	52,170	2,066,671	72,540	
Nov-37	1,007,462	2,196	415	38,811	1,007,462	35,362	
Dec-37	725,063	1,451	110	32,721	725,063	25,450	
Jan-38	802,317	1,143	87	51,803	802,317	28,161	
Feb-38	820,803	1,439	20	48,859	820,803	28,810	
Mar-38	955,509	1,502	66	56,485	955,509	33,538	
Apr-38	1,368,879	18,738	72	80,931	1,368,879	48,048	
May-38	1,844,124	17,976	287	169,636	1,844,124	64,729	Forecast
Jun-38	2,237,924	2,862	429	195,876	2,237,924	78,551	Data
Jul-38	3,483,481	6,834	3,289	272,887	3,483,481	122,270	
Aug-38	4,338,153	7,331	2,062	102,505	4,338,153	152,269	
Sep-38	3,156,569	7,479	856	48,277	3,156,569	110,796	
Oct-38	2,067,612	4,728	1,128	52,194	2,067,612	72,573	
Nov-38	987,842	2,153	406	38,055	987,842	34,673	
Dec-38	676,152	1,353	102	30,514	676,152	23,733	
Jan-39	756,898	1,078	82	48,871	756,898	26,567	
Feb-39	769,016	1,348	19	45,777	769,016	26,992	
Mar-39	903,373	1,420	62	53,403	903,373	31,708	
Apr-39	1,287,300	17,622	68	76,108	1,287,300	45,184	
May-39	1,699,527	16,567	264	156,335	1,699,527	59,653	
Jun-39	2,301,868	2,943	442	201,473	2,301,868	80,796	
Jul-39	3,560,933	6,986	3,362	278,955	3,560,933	124,989	
Aug-39	4,425,582	7,478	2,104	104,571	4,425,582	155,338	
Sep-39	3,219,931	7,630	873	49,246	3,219,931	113,020	
Oct-39	2,107,532	4,819	1,149	53,201	2,107,532	73,974	
Nov-39	1,009,729	2,200	415	38,899	1,009,729	35,441	

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Suez: Monthly Water Demand Forecast 2012 to 2065

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Month	Total Water Production (1,000 Gal.)	Estimated Company Water Use (1,000 Gal.)	Estimated Hydrant Water Use (1,000 Gal.)	Estimated System Water Losses (1,000 Gal.)	Monthly: Gallons of Water Produced (1,000 Gal.)	Peak Day: Gallons of Water Produced (1,000 Gal.)	
Dec-39	696,142	1,393	105	31,416	696,142	24,435	
Jan-40	778,374	1,109	84	50,257	778,374	27,321	
Feb-40	791,276	1,387	19	47,102	791,276	27,774	
Mar-40	928,589	1,459	64	54,894	928,589	32,593	
Apr-40	1,323,829	18,122	69	78,268	1,323,829	46,466	
May-40	1,758,902	17,145	273	161,797	1,758,902	61,737	
Jun-40	2,365,299	3,025	454	207,025	2,365,299	83,022	
Jul-40	3,637,476	7,136	3,434	284,951	3,637,476	127,675	
Aug-40	4,512,369	7,625	2,145	106,621	4,512,369	158,384	
Sep-40	3,283,176	7,779	891	50,214	3,283,176	115,239	
Oct-40	2,147,594	4,911	1,171	54,213	2,147,594	75,381	
Nov-40	1,031,850	2,249	425	39,751	1,031,850	36,218	
Dec-40	716,539	1,434	109	32,336	716,539	25,151	
Jan-41	697,737	994	75	45,051	697,737	24,491	
Feb-41	790,967	1,387	19	47,083	790,967	27,763	
Mar-41	894,493	1,406	62	52,878	894,493	31,397	
Apr-41	1,321,980	18,096	69	78,159	1,321,980	46,401	
May-41	1,769,615	17,250	275	162,782	1,769,615	62,113	
Jun-41	2,422,852	3,098	465	212,062	2,422,852	85,042	
Jul-41	3,718,336	7,295	3,511	291,285	3,718,336	130,514	
Aug-41	4,603,546	7,779	2,188	108,776	4,603,546	161,584	
Sep-41	3,349,382	7,936	909	51,226	3,349,382	117,563	
Oct-41	2,111,256	4,828	1,151	53,295	2,111,256	74,105	
Nov-41	1,033,493	2,252	425	39,814	1,033,493	36,276	
Dec-41	726,365	1,453	110	32,780	726,365	25,495	
Jan-42	822,874	1,172	89	53,130	822,874	28,883	
Feb-42	837,617	1,469	20	49,860	837,617	29,400	
Mar-42	981,100	1,542	68	57,998	981,100	34,437	
Apr-42	1,400,242	19,168	74	82,786	1,400,242	49,148	
May-42	1,883,831	18,363	293	173,289	1,883,831	66,122	
Jun-42	2,320,176	2,967	445	203,075	2,320,176	81,438	
Jul-42	3,677,046	7,214	3,472	288,051	3,677,046	129,064	
Aug-42	4,602,312	7,777	2,188	108,747	4,602,312	161,541	
Sep-42	3,349,281	7,936	909	51,225	3,349,281	117,560	
Oct-42	2,189,598	5,007	1,194	55,273	2,189,598	76,855	
Nov-42	1,033,151	2,252	425	39,801	1,033,151	36,264	Forecast
Dec-42	684,201	1,369	104	30,877	684,201	24,015	Data
Jan-43	773,270	1,101	83	49,928	773,270	27,142	
Feb-43	781,091	1,369	19	46,495	781,091	27,416	
Mar-43	924,132	1,452	64	54,631	924,132	32,437	
Apr-43	1,311,150	17,948	69	77,518	1,311,150	46,021	
May-43	1,726,510	16,830	268	158,817	1,726,510	60,601	
Jun-43	2,388,473	3,054	458	209,053	2,388,473	83,835	
Jul-43	3,759,930	7,376	3,550	294,544	3,759,930	131,974	
Aug-43	4,696,178	7,936	2,232	110,965	4,696,178	164,836	
Sep-43	3,417,489	8,098	927	52,268	3,417,489	119,954	
Oct-43	2,232,449	5,105	1,217	56,355	2,232,449	78,359	
Nov-43	1,056,605	2,303	435	40,705	1,056,605	37,087	
Dec-43	705,505	1,412	107	31,838	705,505	24,763	
Jan-44	796,095	1,134	86	51,401	796,095	27,943	
Feb-44	804,847	1,411	19	47,909	804,847	28,250	
Mar-44	951,009	1,494	66	56,219	951,009	33,380	
Apr-44	1,350,215	18,483	71	79,828	1,350,215	47,393	
May-44	1,790,570	17,454	278	164,710	1,790,570	62,849	

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Suez: Monthly Water Demand Forecast 2012 to 2065

	Estimated Water Production and Other (Non-billed) Water Uses						
Month	Total Water Production (1,000 Gal.)	Estimated Company Water Use (1,000 Gal.)	Estimated Hydrant Water Use (1,000 Gal.)	Estimated System Water Losses (1,000 Gal.)	Monthly: Gallons of Water Produced (1,000 Gal.)	Peak Day: Gallons of Water Produced (1,000 Gal.)	
Jun-44	2,457,499	3,142	472	215,094	2,457,499	86,258	
Jul-44	3,843,968	7,541	3,629	301,127	3,843,968	134,923	
Aug-44	4,791,482	8,097	2,277	113,216	4,791,482	168,181	
Sep-44	3,486,744	8,262	946	53,327	3,486,744	122,385	
Oct-44	2,275,898	5,204	1,241	57,452	2,275,898	79,884	
Nov-44	1,080,308	2,354	445	41,618	1,080,308	37,919	
Dec-44	726,909	1,455	110	32,804	726,909	25,515	
Jan-45	819,022	1,166	88	52,882	819,022	28,748	
Feb-45	828,704	1,453	20	49,329	828,704	29,087	
Mar-45	977,999	1,537	68	57,815	977,999	34,328	
Apr-45	1,389,434	19,020	73	82,147	1,389,434	48,769	
May-45	1,854,976	18,082	288	170,634	1,854,976	65,110	
Jun-45	2,527,124	3,232	485	221,188	2,527,124	88,702	
Jul-45	3,929,077	7,708	3,710	307,794	3,929,077	137,911	
Aug-45	4,888,177	8,260	2,323	115,501	4,888,177	171,575	
Sep-45	3,557,019	8,428	965	54,402	3,557,019	124,851	
Oct-45	2,319,929	5,305	1,265	58,563	2,319,929	81,430	
Nov-45	1,104,239	2,406	454	42,540	1,104,239	38,759	
Dec-45	748,381	1,498	113	33,773	748,381	26,268	
Jan-46	842,023	1,199	91	54,367	842,023	29,555	
Feb-46	852,637	1,495	21	50,754	852,637	29,928	
Mar-46	1,005,083	1,579	69	59,416	1,005,083	35,278	
Apr-46	1,428,786	19,558	75	84,473	1,428,786	50,150	
May-46	1,919,716	18,713	298	176,590	1,919,716	67,382	
Jun-46	2,402,582	3,072	461	210,288	2,402,582	84,331	
Jul-46	3,882,060	7,616	3,665	304,111	3,882,060	136,260	
Aug-46	4,884,860	8,254	2,322	115,423	4,884,860	171,459	
Sep-46	3,555,493	8,425	964	54,378	3,555,493	124,798	
Oct-46	2,319,153	5,303	1,265	58,543	2,319,153	81,402	
Nov-46	1,079,817	2,353	444	41,599	1,079,817	37,902	
Dec-46	689,119	1,379	104	31,099	689,119	24,188	
Jan-47	786,809	1,121	85	50,802	786,809	27,617	
Feb-47	789,797	1,385	19	47,014	789,797	27,722	
Mar-47	941,639	1,480	65	55,665	941,639	33,052	
Apr-47	1,329,662	18,202	70	78,613	1,329,662	46,671	
May-47	1,745,400	17,014	271	160,555	1,745,400	61,264	Forecast
Jun-47	2,474,114	3,164	475	216,549	2,474,114	86,841	Data
Jul-47	3,969,867	7,788	3,748	310,989	3,969,867	139,342	
Aug-47	4,984,793	8,423	2,369	117,784	4,984,793	174,966	
Sep-47	3,628,132	8,597	984	55,489	3,628,132	127,347	
Oct-47	2,364,547	5,407	1,289	59,689	2,364,547	82,996	
Nov-47	1,104,388	2,407	454	42,545	1,104,388	38,764	
Dec-47	711,002	1,423	108	32,086	711,002	24,956	
Jan-48	810,245	1,154	87	52,315	810,245	28,440	
Feb-48	814,186	1,427	20	48,465	814,186	28,578	
Mar-48	969,241	1,523	67	57,297	969,241	34,020	
Apr-48	1,369,765	18,751	72	80,984	1,369,765	48,079	
May-48	1,811,645	17,659	282	166,648	1,811,645	63,589	
Jun-48	2,546,257	3,256	489	222,863	2,546,257	89,374	
Jul-48	4,058,796	7,963	3,832	317,956	4,058,796	142,464	
Aug-48	5,086,168	8,595	2,417	120,179	5,086,168	178,524	
Sep-48	3,701,813	8,771	1,004	56,616	3,701,813	129,934	
Oct-48	2,410,517	5,512	1,314	60,850	2,410,517	84,609	
Nov-48	1,129,171	2,461	465	43,500	1,129,171	39,634	

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Suez: Monthly Water Demand Forecast 2012 to 2065

	Estimated Water Production and Other (Non-billed) Water Uses						
Month	Total Water Production (1,000 Gal.)	Estimated Company Water Use (1,000 Gal.)	Estimated Hydrant Water Use (1,000 Gal.)	Estimated System Water Losses (1,000 Gal.)	Monthly: Gallons of Water Produced (1,000 Gal.)	Peak Day: Gallons of Water Produced (1,000 Gal.)	
Dec-48	732,919	1,467	111	33,075	732,919	25,725	
Jan-49	833,704	1,187	90	53,830	833,704	29,263	
Feb-49	838,598	1,470	20	49,918	838,598	29,435	
Mar-49	996,861	1,567	69	58,930	996,861	34,990	
Apr-49	1,409,886	19,300	74	83,356	1,409,886	49,487	
May-49	1,878,065	18,307	292	172,758	1,878,065	65,920	
Jun-49	2,618,855	3,349	502	229,217	2,618,855	91,922	
Jul-49	4,148,649	8,139	3,917	324,995	4,148,649	145,618	
Aug-49	5,188,809	8,768	2,466	122,605	5,188,809	182,127	
Sep-49	3,776,439	8,948	1,024	57,758	3,776,439	132,553	
Oct-49	2,457,005	5,618	1,340	62,023	2,457,005	86,241	
Nov-49	1,154,142	2,515	475	44,462	1,154,142	40,510	
Dec-49	754,855	1,510	114	34,065	754,855	26,495	
Jan-50	739,642	1,053	80	47,756	739,642	25,961	
Feb-50	836,381	1,466	20	49,786	836,381	29,357	
Mar-50	955,599	1,502	66	56,491	955,599	33,542	
Apr-50	1,404,340	19,224	74	83,028	1,404,340	49,292	
May-50	1,885,415	18,379	293	173,434	1,885,415	66,178	
Jun-50	2,561,005	3,275	491	224,154	2,561,005	89,891	
Jul-50	4,157,306	8,156	3,925	325,673	4,157,306	145,921	
Aug-50	5,230,255	8,838	2,486	123,584	5,230,255	183,582	
Sep-50	3,807,141	9,021	1,033	58,227	3,807,141	133,631	
Oct-50	2,387,914	5,460	1,302	60,279	2,387,914	83,816	
Nov-50	1,125,290	2,452	463	43,351	1,125,290	39,498	
Dec-50	714,273	1,429	108	32,234	714,273	25,071	
Jan-51	832,326	1,185	90	53,741	832,326	29,215	
Feb-51	833,817	1,462	20	49,634	833,817	29,267	
Mar-51	996,252	1,566	69	58,894	996,252	34,968	
Apr-51	1,404,661	19,228	74	83,047	1,404,661	49,304	
May-51	1,863,700	18,167	290	171,437	1,863,700	65,416	
Jun-51	2,645,807	3,383	508	231,576	2,645,807	92,868	
Jul-51	4,249,764	8,337	4,013	332,916	4,249,764	149,167	
Aug-51	5,336,145	9,017	2,536	126,086	5,336,145	187,299	
Sep-51	3,884,142	9,203	1,054	59,405	3,884,142	136,333	
Oct-51	2,523,896	5,771	1,376	63,712	2,523,896	88,589	
Nov-51	1,174,845	2,560	483	45,260	1,174,845	41,237	Forecast
Dec-51	749,047	1,499	113	33,803	749,047	26,292	Data
Jan-52	856,093	1,219	92	55,275	856,093	30,049	
Feb-52	858,559	1,505	21	51,107	858,559	30,135	
Mar-52	1,024,268	1,610	71	60,550	1,024,268	35,952	
Apr-52	1,445,359	19,785	76	85,453	1,445,359	50,732	
May-52	1,931,530	18,828	300	177,676	1,931,530	67,797	
Jun-52	2,720,654	3,479	522	238,127	2,720,654	95,495	
Jul-52	4,343,396	8,521	4,101	340,251	4,343,396	152,453	
Aug-52	5,443,578	9,198	2,587	128,625	5,443,578	191,070	
Sep-52	3,962,274	9,389	1,075	60,600	3,962,274	139,076	
Oct-52	2,572,377	5,882	1,403	64,936	2,572,377	90,290	
Nov-52	1,200,634	2,617	494	46,253	1,200,634	42,142	
Dec-52	771,298	1,543	117	34,807	771,298	27,073	
Jan-53	879,911	1,253	95	56,813	879,911	30,885	
Feb-53	883,353	1,549	21	52,583	883,353	31,006	
Mar-53	1,052,351	1,654	73	62,210	1,052,351	36,938	
Apr-53	1,486,149	20,344	78	87,865	1,486,149	52,164	
May-53	1,999,661	19,492	311	183,944	1,999,661	70,188	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Estimated Water Production and Other (Non-billed) Water Uses						
Month	Total Water Production (1,000 Gal.)	Estimated Company Water Use (1,000 Gal.)	Estimated Hydrant Water Use (1,000 Gal.)	Estimated System Water Losses (1,000 Gal.)	Monthly: Gallons of Water Produced (1,000 Gal.)	Peak Day: Gallons of Water Produced (1,000 Gal.)	
Jun-53	2,796,124	3,576	536	244,733	2,796,124	98,144	
Jul-53	4,438,218	8,707	4,190	347,679	4,438,218	155,781	
Aug-53	5,552,579	9,383	2,639	131,200	5,552,579	194,896	
Sep-53	4,041,554	9,576	1,096	61,812	4,041,554	141,859	
Oct-53	2,621,506	5,994	1,430	66,176	2,621,506	92,015	
Nov-53	1,226,666	2,673	505	47,256	1,226,666	43,056	
Dec-53	793,592	1,588	120	35,813	793,592	27,855	
Jan-54	903,777	1,287	98	58,354	903,777	31,723	
Feb-54	908,197	1,592	22	54,061	908,197	31,878	
Mar-54	1,080,498	1,698	75	63,874	1,080,498	37,925	
Apr-54	1,527,027	20,903	80	90,281	1,527,027	53,599	
May-54	2,068,093	20,159	321	190,238	2,068,093	72,590	
Jun-54	2,747,427	3,513	527	240,471	2,747,427	96,435	
Jul-54	4,449,025	8,728	4,201	348,526	4,449,025	156,161	
Aug-54	5,598,496	9,460	2,661	132,285	5,598,496	196,507	
Sep-54	4,075,714	9,657	1,106	62,335	4,075,714	143,058	
Oct-54	2,642,528	6,043	1,441	66,707	2,642,528	92,753	
Nov-54	1,221,959	2,663	503	47,075	1,221,959	42,891	
Dec-54	764,182	1,529	116	34,486	764,182	26,823	
Jan-55	877,681	1,250	95	56,669	877,681	30,807	
Feb-55	877,541	1,539	21	52,237	877,541	30,802	
Mar-55	1,050,864	1,651	73	62,122	1,050,864	36,885	
Apr-55	1,479,441	20,252	78	87,468	1,479,441	51,928	
May-55	1,983,776	19,337	308	182,482	1,983,776	69,631	
Jun-55	2,825,490	3,613	542	247,303	2,825,490	99,175	
Jul-55	4,548,509	8,923	4,295	356,319	4,548,509	159,653	
Aug-55	5,713,503	9,655	2,716	135,003	5,713,503	200,544	
Sep-55	4,159,395	9,856	1,128	63,615	4,159,395	145,995	
Oct-55	2,694,204	6,161	1,469	68,011	2,694,204	94,567	
Nov-55	1,249,052	2,722	514	48,118	1,249,052	43,842	
Dec-55	786,917	1,575	119	35,512	786,917	27,621	
Jan-56	901,981	1,285	97	58,238	901,981	31,660	
Feb-56	902,865	1,583	22	53,744	902,865	31,691	
Mar-56	1,079,548	1,696	75	63,818	1,079,548	37,892	
Apr-56	1,521,118	20,822	80	89,932	1,521,118	53,391	
May-56	2,053,803	20,020	319	188,924	2,053,803	72,088	Forecast
Jun-56	2,904,329	3,714	557	254,204	2,904,329	101,942	Data
Jul-56	4,649,319	9,121	4,390	364,216	4,649,319	163,191	
Aug-56	5,830,256	9,852	2,771	137,761	5,830,256	204,642	
Sep-56	4,244,356	10,057	1,151	64,914	4,244,356	148,977	
Oct-56	2,746,599	6,281	1,498	69,334	2,746,599	96,406	
Nov-56	1,276,414	2,782	525	49,172	1,276,414	44,802	
Dec-56	809,701	1,620	123	36,540	809,701	28,420	
Jan-57	926,331	1,319	100	59,810	926,331	32,514	
Feb-57	928,241	1,627	22	55,255	928,241	32,581	
Mar-57	1,108,300	1,742	77	65,518	1,108,300	38,901	
Apr-57	1,562,889	21,394	82	92,402	1,562,889	54,857	
May-57	2,124,166	20,706	330	195,397	2,124,166	74,558	
Jun-57	2,983,871	3,816	573	261,166	2,983,871	104,734	
Jul-57	4,751,473	9,321	4,486	372,219	4,751,473	166,777	
Aug-57	5,948,784	10,052	2,827	140,562	5,948,784	208,802	
Sep-57	4,330,616	10,261	1,175	66,233	4,330,616	152,005	
Oct-57	2,799,725	6,402	1,527	70,675	2,799,725	98,270	
Nov-57	1,304,047	2,842	537	50,237	1,304,047	45,772	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Estimated Water Production and Other (Non-billed) Water Uses						
Month	Total Water Production (1,000 Gal.)	Estimated Company Water Use (1,000 Gal.)	Estimated Hydrant Water Use (1,000 Gal.)	Estimated System Water Losses (1,000 Gal.)	Monthly: Gallons of Water Produced (1,000 Gal.)	Peak Day: Gallons of Water Produced (1,000 Gal.)	
Dec-57	832,528	1,666	126	37,571	832,528	29,222	
Jan-58	950,728	1,354	103	61,386	950,728	33,371	
Feb-58	953,667	1,672	23	56,768	953,667	33,474	
Mar-58	1,137,117	1,787	78	67,221	1,137,117	39,913	
Apr-58	1,604,748	21,967	84	94,876	1,604,748	56,327	
May-58	2,194,862	21,395	341	201,900	2,194,862	77,040	
Jun-58	2,934,527	3,752	563	256,847	2,934,527	103,002	
Jul-58	4,766,582	9,351	4,500	373,402	4,766,582	167,307	
Aug-58	6,001,795	10,142	2,853	141,815	6,001,795	210,663	
Sep-58	4,369,851	10,354	1,185	66,833	4,369,851	153,382	
Oct-58	2,823,465	6,456	1,540	71,274	2,823,465	99,104	
Nov-58	1,299,611	2,832	535	50,066	1,299,611	45,616	
Dec-58	801,529	1,604	121	36,172	801,529	28,134	
Jan-59	923,195	1,315	100	59,608	923,195	32,404	
Feb-59	921,311	1,615	22	54,842	921,311	32,338	
Mar-59	1,105,825	1,738	76	65,371	1,105,825	38,814	
Apr-59	1,554,466	21,279	82	91,904	1,554,466	54,562	
May-59	2,106,464	20,533	327	193,768	2,106,464	73,937	
Jun-59	3,015,836	3,856	579	263,963	3,015,836	105,856	
Jul-59	4,871,744	9,557	4,600	381,640	4,871,744	170,998	
Aug-59	6,124,155	10,349	2,911	144,706	6,124,155	214,958	
Sep-59	4,458,916	10,565	1,210	68,196	4,458,916	156,508	
Oct-59	2,878,176	6,581	1,570	72,655	2,878,176	101,024	
Nov-59	1,327,879	2,894	546	51,155	1,327,879	46,609	
Dec-59	824,568	1,650	125	37,211	824,568	28,942	
Jan-60	947,829	1,350	102	61,198	947,829	33,269	
Feb-60	946,976	1,660	23	56,370	946,976	33,239	
Mar-60	1,134,935	1,784	78	67,092	1,134,935	39,836	
Apr-60	1,596,733	21,857	84	94,403	1,596,733	56,045	
May-60	2,178,234	21,233	339	200,370	2,178,234	76,456	
Jun-60	3,097,857	3,961	594	271,142	3,097,857	108,735	
Jul-60	4,978,306	9,766	4,700	389,988	4,978,306	174,739	
Aug-60	6,248,373	10,558	2,970	147,641	6,248,373	219,318	
Sep-60	4,549,342	10,780	1,234	69,579	4,549,342	159,682	
Oct-60	2,933,648	6,708	1,600	74,055	2,933,648	102,971	
Nov-60	1,356,423	2,956	558	52,255	1,356,423	47,610	Forecast
Dec-60	847,638	1,696	128	38,252	847,638	29,752	Data
Jan-61	972,496	1,385	105	62,791	972,496	34,135	
Feb-61	972,674	1,705	24	57,899	972,674	34,141	
Mar-61	1,164,094	1,829	80	68,816	1,164,094	40,860	
Apr-61	1,639,064	22,437	86	96,905	1,639,064	57,531	
May-61	2,250,318	21,936	350	207,001	2,250,318	78,986	
Jun-61	3,180,594	4,067	610	278,384	3,180,594	111,639	
Jul-61	5,086,286	9,978	4,802	398,447	5,086,286	178,529	
Aug-61	6,374,478	10,772	3,030	150,621	6,374,478	223,744	
Sep-61	4,641,150	10,997	1,259	70,983	4,641,150	162,904	
Oct-61	2,989,895	6,837	1,630	75,475	2,989,895	104,945	
Nov-61	1,385,245	3,019	570	53,365	1,385,245	48,622	
Dec-61	870,732	1,742	132	39,295	870,732	30,563	
Jan-62	997,193	1,420	108	64,386	997,193	35,001	
Feb-62	998,402	1,750	24	59,431	998,402	35,044	
Mar-62	1,193,297	1,875	82	70,542	1,193,297	41,885	
Apr-62	1,681,452	23,017	88	99,411	1,681,452	59,019	
May-62	2,322,710	22,641	361	213,660	2,322,710	81,527	

Appendix A - Table A2
Suez: Monthly Water Demand Forecast 2012 to 2065

	Estimated Water Production and Other (Non-billed) Water Uses						
Month	Total Water Production (1,000 Gal.)	Estimated Company Water Use (1,000 Gal.)	Estimated Hydrant Water Use (1,000 Gal.)	Estimated System Water Losses (1,000 Gal.)	Monthly: Gallons of Water Produced (1,000 Gal.)	Peak Day: Gallons of Water Produced (1,000 Gal.)	
Jun-62	3,129,419	4,002	600	273,905	3,129,419	109,843	
Jul-62	5,103,961	10,013	4,819	399,832	5,103,961	179,149	
Aug-62	6,432,643	10,870	3,057	151,995	6,432,643	225,786	
Sep-62	4,684,194	11,099	1,271	71,641	4,684,194	164,415	
Oct-62	3,015,664	6,896	1,644	76,126	3,015,664	105,850	
Nov-62	1,380,744	3,009	568	53,192	1,380,744	48,464	
Dec-62	837,849	1,677	127	37,811	837,849	29,408	
Jan-63	967,979	1,379	104	62,499	967,979	33,976	
Feb-63	964,073	1,690	23	57,387	964,073	33,839	
Mar-63	1,160,099	1,823	80	68,580	1,160,099	40,719	
Apr-63	1,628,101	22,287	85	96,257	1,628,101	57,146	
May-63	2,229,762	21,735	347	205,110	2,229,762	78,265	
Jun-63	3,213,951	4,110	617	281,303	3,213,951	112,810	
Jul-63	5,215,103	10,231	4,924	408,538	5,215,103	183,050	
Aug-63	6,562,814	11,090	3,119	155,071	6,562,814	230,355	
Sep-63	4,778,979	11,324	1,296	73,091	4,778,979	167,742	
Oct-63	3,073,583	7,028	1,676	77,588	3,073,583	107,883	
Nov-63	1,410,216	3,073	580	54,327	1,410,216	49,499	
Dec-63	861,115	1,723	130	38,861	861,115	30,225	
Jan-64	992,876	1,414	107	64,107	992,876	34,850	
Feb-64	989,997	1,736	24	58,931	989,997	34,749	
Mar-64	1,189,554	1,869	82	70,321	1,189,554	41,753	
Apr-64	1,670,831	22,872	88	98,783	1,670,831	58,646	
May-64	2,303,177	22,451	358	211,863	2,303,177	80,842	Forecast
Jun-64	3,299,205	4,219	633	288,765	3,299,205	115,802	Data
Jul-64	5,327,720	10,452	5,030	417,360	5,327,720	187,003	
Aug-64	6,694,960	11,313	3,182	158,193	6,694,960	234,993	
Sep-64	4,875,211	11,552	1,322	74,563	4,875,211	171,120	
Oct-64	3,132,308	7,163	1,708	79,070	3,132,308	109,944	
Nov-64	1,439,970	3,138	593	55,473	1,439,970	50,543	
Dec-64	884,391	1,770	134	39,911	884,391	31,042	
Jan-65	1,017,786	1,449	110	65,715	1,017,786	35,724	
Feb-65	1,015,933	1,781	25	60,475	1,015,933	35,659	
Mar-65	1,219,036	1,916	84	72,064	1,219,036	42,788	
Apr-65	1,713,589	23,457	90	101,311	1,713,589	60,147	
May-65	2,376,876	23,169	369	218,643	2,376,876	83,428	
Jun-65	3,385,187	4,329	650	296,291	3,385,187	118,820	
Jul-65	5,441,832	10,676	5,138	426,300	5,441,832	191,008	
Aug-65	6,829,107	11,540	3,246	161,363	6,829,107	239,702	
Sep-65	4,972,903	11,783	1,349	76,057	4,972,903	174,549	
Oct-65	3,191,841	7,299	1,741	80,573	3,191,841	112,034	
Nov-65	1,470,000	3,204	605	56,630	1,470,000	51,597	
Dec-65	907,659	1,816	138	40,961	907,659	31,859	

Suez Water Idaho Inc.

Appendix A
to
Suez
Master Water Plan 2015-2065

Table A3
Water Demand Forecasts for the Years 2012 to 2065

Annual Values of Exogenous Variables

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Appendix A - Table A3
Suez: Annual Values of Exogenous Variables from the Water Demand Forecast 2012 to 2065

Annual Values of Forecast Exogenous Variables

Year	Linear Interpolation Ada County of Non-Ag Employ. NAG1	Ada County Number of Households NHT	Linear Interpolation of Ada County Population NPT1	Annual Average Ada County Non-Ag Employ. NAGA	Annual Average Ada County Households NHTA	Annual Average Ada County Population NPTA	Ada County Nominal Per Capita Personal Income YPPC$	Ada County (2003 $) Per Capita Personal Income YPPC
1984	107,229	67,887	186,443	107,251	68,210	186,280	13,867	24,565
1985	110,452	69,829	189,620	110,623	70,010	189,810	14,766	25,261
1986	112,256	70,793	191,185	111,861	70,790	191,040	15,246	25,594
1987	116,231	71,909	193,108	115,456	71,910	192,930	15,921	25,786
1988	123,576	73,491	196,036	123,332	73,470	195,510	17,240	26,829
1989	131,081	75,678	201,373	130,643	75,860	200,950	18,557	27,548
1990	138,741	77,612	207,960	138,874	77,460	207,722	19,663	27,699
1991	145,908	81,154	216,772	145,826	81,160	216,798	20,223	27,324
1992	153,724	85,014	226,020	153,010	85,100	225,266	22,061	28,923
1993	163,844	89,115	236,876	163,028	89,360	236,477	23,604	30,085
1994	175,442	92,871	247,512	175,769	92,970	247,225	25,534	31,699
1995	182,923	96,819	257,232	182,622	97,070	256,860	26,628	32,154
1996	190,061	100,265	266,481	189,585	100,400	266,290	27,104	31,798
1997	198,710	103,647	275,038	197,827	103,770	274,325	27,446	31,462
1998	209,626	107,182	285,203	209,768	107,310	284,946	28,742	32,444
1999	218,429	110,859	294,588	217,328	111,040	294,292	30,589	33,791
2000	227,549	114,480	303,905	227,980	114,525	304,566	34,000	35,802
2001	229,114	118,706	313,537	228,712	118,989	314,474	34,280	35,387
2002	232,991	122,311	320,593	233,600	122,525	321,787	34,850	35,244
2003	235,225	125,402	326,062	234,600	125,425	327,267	35,340	34,811
2004	242,306	129,324	332,790	242,000	129,267	335,165	38,220	36,302
2005	255,110	134,919	343,422	255,300	135,197	348,525	39,060	36,781
2006	270,160	140,329	355,965	272,100	140,833	362,261	42,640	37,672
2007	275,942	143,471	376,188	277,000	143,884	373,164	42,830	37,384
2008	272,306	144,096	381,880	273,700	144,194	379,761	42,240	36,963
2009	258,106	143,942	386,976	255,700	143,686	385,308	39,950	38,162
2010	254,229	145,411	392,451	253,600	145,433	390,768	40,280	38,323
2011	257,123	147,665	399,153	256,700	147,669	397,955	41,390	39,267
2012	264,646	150,664	406,709	265,100	150,762	405,655	42,600	40,187
2013	272,223	154,022	414,501	272,500	154,149	413,827	44,030	40,875
2014	279,785	157,526	422,357	280,200	157,671	422,341	45,860	41,581
2015	286,675	161,065	430,358	287,000	161,214	431,010	47,710	42,248
2016	293,113	164,591	438,470	293,400	164,746	439,820	49,610	42,920
2017	299,279	168,054	446,532	299,600	168,204	448,528	51,530	43,632
2018	304,956	171,456	454,555	305,200	171,605	457,207	53,480	44,392
2019	310,419	174,804	462,526	310,700	174,933	465,813	55,590	45,199
2020	315,471	178,221	470,481	315,700	178,352	474,430	57,810	46,058
2021	320,342	181,734	486,954	320,500	181,879	483,028	59,990	46,887
2022	325,473	185,273	494,847	325,700	185,423	491,594	62,280	47,743
2023	330,588	188,797	502,714	330,800	188,942	500,110	64,610	48,673
2024	335,698	192,335	511,122	335,900	192,481	508,633	67,080	49,561

Appendix A - Table A3
Suez: Annual Values of Exogenous Variables from the Water Demand Forecast 2012 to 2065

Annual Values of Forecast Exogenous Variables

Year	Linear Interpolation Ada County of Non-Ag Employ. NAG1	Ada County Number of Households NHT	Linear Interpolation of Ada County Population NPT1	Annual Average Ada County Non-Ag Employ. NAGA	Annual Average Ada County Households NHTA	Annual Average Ada County Population NPTA	Ada County Nominal Per Capita Personal Income YPPC$	Ada County (2003 $) Per Capita Personal Income YPPC
2025	340,873	195,895	519,135	341,100	196,035	517,167	69,650	50,461
2026	346,040	199,529	527,149	346,200	199,665	525,751	72,330	51,420
2027	351,556	203,285	535,507	351,800	203,442	534,780	75,090	52,370
2028	357,102	207,068	544,090	357,300	207,220	544,068	77,900	53,384
2029	362,910	210,893	552,854	363,100	211,048	553,566	80,830	54,390
2030	368,960	214,761	561,779	369,400	214,915	563,256	83,960	55,421
2031	373,913	218,684	570,785	374,000	218,846	573,022	87,070	54,355
2032	379,377	222,633	579,837	379,600	222,792	582,835	90,360	55,414
2033	385,083	226,625	588,932	385,300	226,789	592,700	93,900	56,499
2034	390,985	230,644	598,076	391,200	230,809	602,625	97,530	57,605
2035	397,121	234,692	617,234	397,400	234,856	612,605	101,440	61,029
2036	403,088	238,787	627,378	403,400	238,950	622,705	105,460	61,483
2037	408,627	242,947	636,823	408,800	243,117	632,900	109,480	64,557
2038	414,538	247,143	646,331	414,700	247,316	643,170	113,860	67,785
2039	421,173	251,353	655,909	421,400	251,537	653,514	118,560	71,174
2040	428,309	255,525	665,587	428,600	255,676	663,956	123,630	74,733
2041	435,596	259,849	675,416	435,886	260,022	674,579	128,946	78,469
2042	443,001	264,267	685,391	443,296	264,443	685,373	134,491	82,393
2043	450,532	268,759	695,537	450,832	268,938	696,339	140,274	86,513
2044	458,191	273,328	706,081	458,496	273,510	707,828	146,306	90,838
2045	465,980	277,975	716,835	466,291	278,160	719,507	152,597	95,380
2046	473,902	282,700	727,753	474,218	282,889	731,379	159,158	100,149
2047	481,958	287,506	738,923	482,280	287,698	743,447	166,002	105,157
2048	490,100	292,394	751,029	490,478	292,589	755,714	173,140	110,414
2049	498,012	297,364	762,468	498,326	297,563	768,183	180,585	115,935
2050	505,980	302,419	786,763	506,299	302,621	780,858	188,351	121,732
2051	514,076	307,561	798,744	514,400	307,766	793,742	196,450	127,818
2052	522,301	312,789	810,908	522,630	312,998	806,839	204,897	134,209
2053	530,658	318,107	823,258	530,992	318,319	820,152	213,708	140,920
2054	539,148	323,531	835,795	539,488	323,730	833,684	222,897	147,966
2055	547,775	329,170	848,524	548,120	329,396	847,440	232,482	155,364
2056	556,539	334,930	861,447	556,890	335,160	861,423	242,478	163,132
2057	565,444	340,792	874,567	565,800	341,025	875,636	252,905	171,289
2058	574,491	346,755	888,295	574,853	346,993	890,084	263,780	179,853
2059	583,683	352,824	902,590	584,051	353,066	904,771	275,122	188,846
2060	593,022	358,998	917,555	593,396	359,244	919,699	286,953	198,288
2061	602,510	365,281	932,621	602,890	365,531	934,875	299,291	208,203
2062	612,150	371,673	948,084	612,536	371,928	950,300	312,161	218,613
2063	621,945	378,177	963,651	622,337	378,437	965,980	325,584	229,544
2064	631,896	384,795	979,629	632,294	385,059	981,919	339,584	241,021
2065	641,989	391,529	996,113	642,411	391,798	998,120	354,186	253,072

Appendix A - Table A3
Suez: Annual Values of Exogenous Variables from the Water Demand Forecast 2012 to 2065

Annual Values of Forecast Exogenous Variables

Year	US Consumer Price Index CPIU	US Consumer Price Index 2003 Base CPIU03$	Boise Monthly Precip. (Inches) Precip	Boise Weighted Monthly Precip. (Inches) Wprecip	Boise Weighted Annual Cooling Deg. Days WCDD	Boise Weighted Annual Degree Days WGDD	Boise Weighted Annual Average Temp. WAVGT	UWI Bi-Monthly Meter Charge ($) MTR$	UWI Marginal Cost of Water ($/100 CCF) Price$
1984	103.9	56.5	13.2	31.6	1,572	5,203	48.1	15.68	0.5096
1985	107.6	58.5	11.1	21.6	1,452	5,459	46.9	15.68	0.5096
1986	109.6	59.6	14.3	30.7	1,816	5,779	50.8	16.69	0.5424
1987	113.6	61.8	8.5	15.6	1,600	6,421	52.7	17.09	0.5554
1988	118.3	64.3	11.3	21.8	1,792	6,439	52.5	16.71	0.5430
1989	124.0	67.4	10.4	23.3	1,566	5,904	50.1	16.71	0.5430
1990	130.7	71.0	12.1	22.8	1,978	6,413	52.6	16.71	0.5668
1991	136.2	74.0	9.5	19.3	1,664	5,839	50.6	16.71	0.6380
1992	140.4	76.3	7.7	14.7	1,830	6,568	53.7	16.71	0.6380
1993	144.4	78.5	12.8	25.9	912	4,869	48.7	16.71	0.7251
1994	148.2	80.6	9.4	16.9	2,074	6,664	52.8	14.26	0.8603
1995	152.4	82.8	14.1	27.3	1,412	5,352	52.1	12.00	0.8932
1996	156.9	85.2	14.2	26.7	1,792	5,955	52.4	12.10	0.8999
1997	160.5	87.2	11.1	26.9	1,836	6,432	53.4	12.43	0.9255
1998	163.0	88.6	16.7	31.8	2,158	6,457	54.0	13.04	0.9707
1999	166.6	90.5	8.6	18.3	1,742	6,010	52.7	13.51	1.0061
2000	172.2	93.6	12.0	24.4	5,710	12,162	53.3	13.95	1.0373
2001	177.1	96.3	8.5	16.1	6,156	12,667	52.8	14.57	1.0848
2002	179.9	97.8	7.0	12.9	5,415	11,473	52.2	14.57	1.0848
2003	184.0	100.0	10.1	20.8	6,504	12,852	55.1	14.57	1.0848
2004	188.9	102.7	11.5	23.7	5,404	12,303	53.3	14.57	1.0848
2005	195.3	106.2	13.1	22.8	5,326	11,899	52.6	15.28	1.2371
2006	201.6	109.6	12.1	26.6	6,072	12,281	51.9	16.71	1.3374
2007	207.3	112.7	9.6	19.8	8,434	13,229	51.9	16.71	1.3374
2008	214.9	116.8	11.7	22.6	5,842	11,778	51.9	17.27	1.3828
2009	214.5	116.6	11.3	22.9	7,451	7,168	51.9	17.55	1.4043
2010	217.8	118.4	15.0	27.4	5,591	5,333	51.9	17.55	1.4043
2011	221.6	120.5	10.5	25.9	6,624	5,333	51.9	17.55	1.4710
2012	224.9	122.3	13.7	25.2	4,925	5,333	51.9	20.10	1.5887
2013	229.3	124.6	11.8	23.5	4,925	5,333	51.9	20.10	1.5887
2014	232.8	126.6	11.8	23.5	4,925	5,333	51.9	20.64	1.6322
2015	236.7	128.7	11.8	23.5	4,925	5,333	51.9	20.91	1.6527
2016	240.6	130.8	11.8	23.5	4,925	5,333	51.9	20.91	1.6527
2017	244.6	133.0	11.8	23.5	4,925	5,333	51.9	20.91	1.6527
2018	249.2	135.5	11.8	23.5	4,925	5,333	51.9	21.89	1.7318
2019	254.0	138.1	11.8	23.5	4,925	5,333	51.9	22.38	1.7691
2020	258.9	140.7	11.8	23.5	4,925	5,333	51.9	22.38	1.7691
2021	264.0	143.5	11.8	23.5	4,925	5,333	51.9	22.38	1.7691
2022	269.2	146.3	11.8	23.5	4,925	5,333	51.9	23.58	1.8654
2023	274.6	149.3	11.8	23.5	4,925	5,333	51.9	24.18	1.9109
2024	280.2	152.3	11.8	23.5	4,925	5,333	51.9	24.18	1.9109

Appendix A - Table A3
Suez: Annual Values of Exogenous Variables from the Water Demand Forecast 2012 to 2065

Annual Values of Forecast Exogenous Variables

Year	US Consumer Price Index CPIU	US Consumer Price Index 2003 Base CPIU03$	Boise Monthly Precip. (Inches) Precip	Boise Weighted Monthly Precip. (Inches) Wprecip	Boise Weighted Annual Cooling Deg. Days WCDD	Boise Weighted Annual Degree Days WGDD	Boise Weighted Annual Average Temp. WAVGT	UWI Bi-Monthly Meter Charge ($) MTR$	UWI Marginal Cost of Water ($/100 CCF) Price$
2025	285.7	155.3	11.8	23.5	4,925	5,333	51.9	24.18	1.9109
2026	291.3	158.3	11.8	23.5	4,925	5,333	51.9	25.50	2.0174
2027	297.0	161.4	11.8	23.5	4,925	5,333	51.9	26.16	2.0677
2028	302.8	164.6	11.8	23.5	4,925	5,333	51.9	26.16	2.0677
2029	308.7	167.8	11.8	23.5	4,925	5,333	51.9	26.16	2.0677
2030	314.7	171.1	11.8	23.5	4,925	5,333	51.9	27.56	2.1804
2031	320.9	174.4	11.8	23.5	4,925	5,333	51.9	28.26	2.2337
2032	327.3	177.9	11.8	23.5	4,925	5,333	51.9	28.26	2.2337
2033	333.8	181.5	11.8	23.5	4,925	5,333	51.9	28.26	2.2337
2034	340.6	185.1	11.8	23.5	4,925	5,333	51.9	29.81	2.3584
2035	347.6	189.0	11.8	23.5	4,925	5,333	51.9	30.58	2.4173
2036	354.7	192.8	11.8	23.5	4,925	5,333	51.9	30.58	2.4173
2037	361.9	196.7	11.8	23.5	4,925	5,333	51.9	30.58	2.4173
2038	369.2	200.7	11.8	23.5	4,925	5,333	51.9	32.30	2.5555
2039	376.7	204.8	11.8	23.5	4,925	5,333	51.9	33.16	2.6208
2040	384.3	208.9	11.8	23.5	4,925	5,333	51.9	33.16	2.6208
2041	392.5	213.3	11.8	23.5	4,925	5,333	51.9	34.93	2.6208
2042	400.7	217.8	11.8	23.5	4,925	5,333	51.9	37.85	2.7724
2043	409.1	222.4	11.8	23.5	4,925	5,333	51.9	38.86	2.8441
2044	417.7	227.0	11.8	23.5	4,925	5,333	51.9	38.86	2.8441
2045	426.4	231.8	11.8	23.5	4,925	5,333	51.9	38.86	2.8441
2046	435.4	236.7	11.8	23.5	4,925	5,333	51.9	41.11	3.0114
2047	444.5	241.6	11.8	23.5	4,925	5,333	51.9	42.23	3.0904
2048	453.9	246.7	11.8	23.5	4,925	5,333	51.9	42.23	3.0904
2049	463.4	251.9	11.8	23.5	4,925	5,333	51.9	42.23	3.0904
2050	473.1	257.2	11.8	23.5	4,925	5,333	51.9	44.67	3.1954
2051	483.1	262.6	11.8	23.5	4,925	5,333	51.9	45.89	3.2449
2052	493.2	268.1	11.8	23.5	4,925	5,333	51.9	45.89	3.2449
2053	503.6	273.7	11.8	23.5	4,925	5,333	51.9	45.89	3.2449
2054	514.1	279.5	11.8	23.5	4,925	5,333	51.9	48.54	3.3551
2055	524.9	285.4	11.8	23.5	4,925	5,333	51.9	49.87	3.4072
2056	536.0	291.3	11.8	23.5	4,925	5,333	51.9	49.87	3.4072
2057	547.2	297.5	11.8	23.5	4,925	5,333	51.9	49.87	3.4072
2058	558.7	303.7	11.8	23.5	4,925	5,333	51.9	52.75	3.5229
2059	570.4	310.1	11.8	23.5	4,925	5,333	51.9	54.19	3.5775
2060	582.4	316.6	11.8	23.5	4,925	5,333	51.9	54.19	3.5775
2061	594.6	323.2	11.8	23.5	4,925	5,333	51.9	54.19	3.5775
2062	607.1	330.0	11.8	23.5	4,925	5,333	51.9	57.32	3.6990
2063	619.9	337.0	11.8	23.5	4,925	5,333	51.9	58.89	3.7564
2064	632.9	344.0	11.8	23.5	4,925	5,333	51.9	58.89	3.7564
2065	646.2	351.3	11.8	23.5	4,925	5,333	51.9	58.07	3.7687

Suez Water Idaho Inc.

Appendix A
to
Suez
Master Water Plan 2015-2065

Table A4
Water Demand Forecasts for the Years 2012 to 2065

Monthly Values of Exogenous and Binary Variables

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Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables								
Month	Linear Interpolation Ada County of Non-Ag Employ. NAG1	Ada County Number of Households NHT	Linear Interpolation of Ada County Population NPT1	Annual Average Ada County Non-Ag Employ. NAGA	Annual Average Ada County Households NHTA	Annual Average Ada County Population NPTA	Ada County Nominal Per Capita Personal Income YPPC$	Ada County (2003 $) Per Capita Personal Income YPPC	
Jan-95	179,766	95,020	252,846	182,622	97,070	256,860	26,628	32,598	
Feb-95	180,337	95,362	253,649	182,622	97,070	256,860	26,628	32,469	
Mar-95	180,908	95,703	254,452	182,622	97,070	256,860	26,628	32,362	
Apr-95	181,479	96,045	255,255	182,622	97,070	256,860	26,628	32,255	
May-95	182,050	96,387	256,058	182,622	97,070	256,860	26,628	32,192	
Jun-95	182,622	96,728	256,860	182,622	97,070	256,860	26,628	32,128	
Jul-95	183,202	97,070	257,646	182,622	97,070	256,860	26,628	32,128	
Aug-95	183,782	97,348	258,432	182,622	97,070	256,860	26,628	32,044	
Sep-95	184,362	97,625	259,218	182,622	97,070	256,860	26,628	31,981	
Oct-95	184,942	97,903	260,004	182,622	97,070	256,860	26,628	31,877	
Nov-95	185,522	98,180	260,790	182,622	97,070	256,860	26,628	31,898	
Dec-95	186,102	98,458	261,576	182,622	97,070	256,860	26,628	31,919	
Jan-96	186,682	98,735	262,362	189,585	100,400	266,290	27,104	32,300	
Feb-96	187,262	99,013	263,148	189,585	100,400	266,290	27,104	32,196	
Mar-96	187,842	99,290	263,934	189,585	100,400	266,290	27,104	32,030	
Apr-96	188,422	99,568	264,720	189,585	100,400	266,290	27,104	31,907	
May-96	189,002	99,845	265,506	189,585	100,400	266,290	27,104	31,846	
Jun-96	189,585	100,123	266,290	189,585	100,400	266,290	27,104	31,826	
Jul-96	190,272	100,400	266,960	189,585	100,400	266,290	27,104	31,765	
Aug-96	190,959	100,681	267,630	189,585	100,400	266,290	27,104	31,705	
Sep-96	191,646	100,962	268,300	189,585	100,400	266,290	27,104	31,604	
Oct-96	192,333	101,243	268,970	189,585	100,400	266,290	27,104	31,504	
Nov-96	193,020	101,523	269,640	189,585	100,400	266,290	27,104	31,445	
Dec-96	193,707	101,804	270,310	189,585	100,400	266,290	27,104	31,445	
Jan-97	194,394	102,085	270,980	197,827	103,770	274,325	27,446	31,741	
Feb-97	195,081	102,366	271,650	197,827	103,770	274,325	27,446	31,642	
Mar-97	195,768	102,647	272,320	197,827	103,770	274,325	27,446	31,563	
Apr-97	196,455	102,928	272,990	197,827	103,770	274,325	27,446	31,523	
May-97	197,142	103,208	273,660	197,827	103,770	274,325	27,446	31,543	
Jun-97	197,827	103,489	274,325	197,827	103,770	274,325	27,446	31,504	
Jul-97	198,822	103,770	275,210	197,827	103,770	274,325	27,446	31,465	
Aug-97	199,817	104,065	276,095	197,827	103,770	274,325	27,446	31,406	
Sep-97	200,812	104,360	276,980	197,827	103,770	274,325	27,446	31,328	
Oct-97	201,807	104,655	277,865	197,827	103,770	274,325	27,446	31,250	
Nov-97	202,802	104,950	278,750	197,827	103,770	274,325	27,446	31,270	Historic
Dec-97	203,797	105,245	279,635	197,827	103,770	274,325	27,446	31,309	Data
Jan-98	204,792	105,540	280,520	209,768	107,310	284,946	28,742	32,726	
Feb-98	205,787	105,835	281,405	209,768	107,310	284,946	28,742	32,665	
Mar-98	206,782	106,130	282,290	209,768	107,310	284,946	28,742	32,605	
Apr-98	207,777	106,425	283,175	209,768	107,310	284,946	28,742	32,545	
May-98	208,772	106,720	284,060	209,768	107,310	284,946	28,742	32,485	
Jun-98	209,768	107,015	284,946	209,768	107,310	284,946	28,742	32,445	
Jul-98	210,398	107,310	285,725	209,768	107,310	284,946	28,742	32,405	
Aug-98	211,028	107,621	286,504	209,768	107,310	284,946	28,742	32,366	
Sep-98	211,658	107,932	287,283	209,768	107,310	284,946	28,742	32,326	
Oct-98	212,288	108,243	288,062	209,768	107,310	284,946	28,742	32,247	
Nov-98	212,918	108,553	288,841	209,768	107,310	284,946	28,742	32,247	
Dec-98	213,548	108,864	289,620	209,768	107,310	284,946	28,742	32,267	
Jan-99	214,178	109,175	290,399	217,328	111,040	294,292	30,589	34,257	
Feb-99	214,808	109,486	291,178	217,328	111,040	294,292	30,589	34,215	
Mar-99	215,438	109,797	291,957	217,328	111,040	294,292	30,589	34,111	
Apr-99	216,068	110,108	292,736	217,328	111,040	294,292	30,589	33,865	
May-99	216,698	110,418	293,515	217,328	111,040	294,292	30,589	33,865	
Jun-99	217,328	110,729	294,292	217,328	111,040	294,292	30,589	33,865	
Jul-99	218,407	111,040	295,017	217,328	111,040	294,292	30,589	33,764	
Aug-99	219,486	111,330	295,742	217,328	111,040	294,292	30,589	33,683	
Sep-99	220,565	111,620	296,467	217,328	111,040	294,292	30,589	33,522	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables								
Month	Linear Interpolation Ada County of Non-Ag Employ. NAG1	Ada County Number of Households NHT	Linear Interpolation of Ada County Population NPT1	Annual Average Ada County Non-Ag Employ. NAGA	Annual Average Ada County Households NHTA	Annual Average Ada County Population NPTA	Ada County Nominal Per Capita Personal Income YPPC$	Ada County (2003 $) Per Capita Personal Income YPPC	
Oct-99	221,644	111,910	297,192	217,328	111,040	294,292	30,589	33,462	
Nov-99	222,723	112,200	297,917	217,328	111,040	294,292	30,589	33,443	
Dec-99	223,802	112,490	298,642	217,328	111,040	294,292	30,589	33,443	
Jan-00	226,540	112,780	299,367	227,980	114,525	304,566	34,000	36,520	
Feb-00	226,710	113,070	300,092	227,980	114,525	304,566	34,000	36,304	
Mar-00	226,880	113,360	300,817	227,980	114,525	304,566	34,000	36,008	
Apr-00	227,050	113,650	301,542	227,980	114,525	304,566	34,000	35,987	
May-00	227,220	113,940	302,267	227,980	114,525	304,566	34,000	35,945	
Jun-00	227,390	114,230	302,992	227,980	114,525	304,566	34,000	35,757	
Jul-00	227,980	114,525	304,566	227,980	114,525	304,566	34,000	35,674	
Aug-00	228,041	114,897	305,392	227,980	114,525	304,566	34,000	35,674	
Sep-00	228,102	115,269	306,217	227,980	114,525	304,566	34,000	35,489	
Oct-00	228,163	115,641	307,043	227,980	114,525	304,566	34,000	35,428	
Nov-00	228,224	116,013	307,869	227,980	114,525	304,566	34,000	35,408	
Dec-00	228,285	116,385	308,694	227,980	114,525	304,566	34,000	35,428	
Jan-01	228,346	116,757	309,520	228,712	118,989	314,474	34,280	35,783	
Feb-01	228,407	117,129	310,346	228,712	118,989	314,474	34,280	35,641	
Mar-01	228,468	117,501	311,171	228,712	118,989	314,474	34,280	35,560	
Apr-01	228,529	117,873	311,997	228,712	118,989	314,474	34,280	35,419	
May-01	228,590	118,245	312,823	228,712	118,989	314,474	34,280	35,260	
Jun-01	228,651	118,617	313,648	228,712	118,989	314,474	34,280	35,200	
Jul-01	228,712	118,989	314,474	228,712	118,989	314,474	34,280	35,300	
Aug-01	229,119	119,284	314,474	228,712	118,989	314,474	34,280	35,300	
Sep-01	229,527	119,578	315,083	228,712	118,989	314,474	34,280	35,141	
Oct-01	229,934	119,873	315,693	228,712	118,989	314,474	34,280	35,260	
Nov-01	230,341	120,168	316,302	228,712	118,989	314,474	34,280	35,319	
Dec-01	230,749	120,462	316,912	228,712	118,989	314,474	34,280	35,459	
Jan-02	231,156	120,757	317,521	233,600	122,525	321,787	34,850	35,795	
Feb-02	231,563	121,052	318,131	233,600	122,525	321,787	34,850	35,654	
Mar-02	231,971	121,346	318,740	233,600	122,525	321,787	34,850	35,454	
Apr-02	232,378	121,641	319,349	233,600	122,525	321,787	34,850	35,257	
May-02	232,785	121,936	319,959	233,600	122,525	321,787	34,850	35,257	Historic
Jun-02	233,193	122,230	320,568	233,600	122,525	321,787	34,850	35,238	Data
Jul-02	233,600	122,525	321,178	233,600	122,525	321,787	34,850	35,199	
Aug-02	233,683	122,767	321,787	233,600	122,525	321,787	34,850	35,082	
Sep-02	233,767	123,008	321,787	233,600	122,525	321,787	34,850	35,024	
Oct-02	233,850	123,250	322,244	233,600	122,525	321,787	34,850	34,966	
Nov-02	233,933	123,492	322,700	233,600	122,525	321,787	34,850	34,966	
Dec-02	234,017	123,733	323,157	233,600	122,525	321,787	34,850	35,043	
Jan-03	234,100	123,975	323,614	234,600	125,425	327,267	35,340	35,243	
Feb-03	234,183	124,217	324,070	234,600	125,425	327,267	35,340	34,973	
Mar-03	234,267	124,458	324,527	234,600	125,425	327,267	35,340	34,765	
Apr-03	234,350	124,700	324,984	234,600	125,425	327,267	35,340	34,840	
May-03	234,433	124,942	325,440	234,600	125,425	327,267	35,340	34,897	
Jun-03	234,517	125,183	325,897	234,600	125,425	327,267	35,340	34,859	
Jul-03	234,600	125,425	326,354	234,600	125,425	327,267	35,340	34,821	
Aug-03	235,217	125,745	326,810	234,600	125,425	327,267	35,340	34,689	
Sep-03	235,833	126,065	327,267	234,600	125,425	327,267	35,340	34,577	
Oct-03	236,450	126,386	327,267	234,600	125,425	327,267	35,340	34,614	
Nov-03	237,067	126,706	327,925	234,600	125,425	327,267	35,340	34,708	
Dec-03	237,683	127,026	328,583	234,600	125,425	327,267	35,340	34,746	
Jan-04	238,300	127,346	329,242	242,000	129,267	335,165	38,220	37,020	
Feb-04	238,917	127,666	329,900	242,000	129,267	335,165	38,220	36,822	
Mar-04	239,533	127,986	330,558	242,000	129,267	335,165	38,220	36,586	
Apr-04	240,150	128,307	331,216	242,000	129,267	335,165	38,220	36,469	
May-04	240,767	128,627	331,874	242,000	129,267	335,165	38,220	36,257	
Jun-04	241,383	128,947	332,532	242,000	129,267	335,165	38,220	36,142	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables								
Month	Linear Interpolation Ada County of Non-Ag Employ. NAG1	Ada County Number of Households NHT	Linear Interpolation of Ada County Population NPT1	Annual Average Ada County Non-Ag Employ. NAGA	Annual Average Ada County Households NHTA	Annual Average Ada County Population NPTA	Ada County Nominal Per Capita Personal Income YPPC$	Ada County (2003 $) Per Capita Personal Income YPPC	
Jul-04	242,000	129,267	333,191	242,000	129,267	335,165	38,220	36,200	
Aug-04	243,108	129,761	333,849	242,000	129,267	335,165	38,220	36,180	
Sep-04	244,217	130,255	334,507	242,000	129,267	335,165	38,220	36,104	
Oct-04	245,325	130,750	335,165	242,000	129,267	335,165	38,220	35,915	
Nov-04	246,433	131,244	335,165	242,000	129,267	335,165	38,220	35,896	
Dec-04	247,542	131,738	336,278	242,000	129,267	335,165	38,220	36,028	
Jan-05	248,650	132,232	337,392	255,300	135,197	348,525	39,060	37,660	
Feb-05	249,758	132,726	338,505	255,300	135,197	348,525	39,060	37,444	
Mar-05	250,867	133,220	339,618	255,300	135,197	348,525	39,060	37,154	
Apr-05	251,975	133,715	340,732	255,300	135,197	348,525	39,060	36,905	
May-05	253,083	134,209	341,845	255,300	135,197	348,525	39,060	36,943	
Jun-05	254,192	134,703	342,958	255,300	135,197	348,525	39,060	36,924	
Jul-05	255,300	135,197	344,072	255,300	135,197	348,525	39,060	36,754	
Aug-05	256,700	135,667	345,185	255,300	135,197	348,525	39,060	36,567	
Sep-05	258,100	136,136	346,298	255,300	135,197	348,525	39,060	36,126	
Oct-05	259,500	136,606	347,412	255,300	135,197	348,525	39,060	36,053	
Nov-05	260,900	137,076	348,525	255,300	135,197	348,525	39,060	36,345	
Dec-05	262,300	137,545	348,525	255,300	135,197	348,525	39,060	36,493	
Jan-06	263,700	138,015	349,670	272,100	140,833	362,261	42,640	38,295	
Feb-06	265,100	138,485	350,814	272,100	140,833	362,261	42,640	38,218	
Mar-06	266,500	138,954	351,959	272,100	140,833	362,261	42,640	38,007	
Apr-06	267,900	139,424	353,104	272,100	140,833	362,261	42,640	37,687	
May-06	269,300	139,894	354,248	272,100	140,833	362,261	42,640	37,501	
Jun-06	270,700	140,363	355,393	272,100	140,833	362,261	42,640	37,427	
Jul-06	272,100	140,833	356,538	272,100	140,833	362,261	42,640	37,316	
Aug-06	272,508	141,087	357,682	272,100	140,833	362,261	42,640	37,243	
Sep-06	272,917	141,342	358,827	272,100	140,833	362,261	42,640	37,427	
Oct-06	273,325	141,596	359,972	272,100	140,833	362,261	42,640	37,631	
Nov-06	273,733	141,850	361,116	272,100	140,833	362,261	42,640	37,687	Historic
Dec-06	274,142	142,104	362,261	272,100	140,833	362,261	42,640	37,631	Data
Jan-07	274,550	142,359	373,164	277,000	143,884	373,164	42,830	38,289	
Feb-07	274,958	142,613	373,714	277,000	143,884	373,164	42,830	38,085	
Mar-07	275,367	142,867	374,264	277,000	143,884	373,164	42,830	37,741	
Apr-07	275,775	143,121	374,813	277,000	143,884	373,164	42,830	37,498	
May-07	276,183	143,376	375,363	277,000	143,884	373,164	42,830	37,270	
Jun-07	276,592	143,630	375,913	277,000	143,884	373,164	42,830	37,198	
Jul-07	277,000	143,884	376,463	277,000	143,884	373,164	42,830	37,207	
Aug-07	276,725	143,910	377,012	277,000	143,884	373,164	42,830	37,276	
Sep-07	276,450	143,936	377,562	277,000	143,884	373,164	42,830	37,173	
Oct-07	276,175	143,962	378,112	277,000	143,884	373,164	42,830	37,094	
Nov-07	275,900	143,987	378,662	277,000	143,884	373,164	42,830	36,875	
Dec-07	275,625	144,013	379,211	277,000	143,884	373,164	42,830	36,900	
Jan-08	275,350	144,039	379,761	273,700	144,194	379,761	42,240	37,693	
Feb-08	275,075	144,065	379,761	273,700	144,194	379,761	42,240	37,584	
Mar-08	274,800	144,091	380,223	273,700	144,194	379,761	42,240	37,261	
Apr-08	274,525	144,117	380,686	273,700	144,194	379,761	42,240	37,036	
May-08	274,250	144,142	381,148	273,700	144,194	379,761	42,240	36,727	
Jun-08	273,975	144,168	381,610	273,700	144,194	379,761	42,240	36,361	
Jul-08	273,700	144,194	382,072	273,700	144,194	379,761	42,240	36,171	
Aug-08	272,200	144,152	382,535	273,700	144,194	379,761	42,240	36,316	
Sep-08	270,700	144,109	382,997	273,700	144,194	379,761	42,240	36,366	
Oct-08	269,200	144,067	383,459	273,700	144,194	379,761	42,240	36,737	
Nov-08	267,700	144,025	383,921	273,700	144,194	379,761	42,240	37,454	
Dec-08	266,200	143,982	384,384	273,700	144,194	379,761	42,240	37,846	
Jan-09	264,700	143,940	384,846	255,700	143,686	385,308	39,950	38,771	
Feb-09	263,200	143,898	385,308	255,700	143,686	385,308	39,950	38,579	
Mar-09	261,700	143,855	385,308	255,700	143,686	385,308	39,950	38,486	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables								
Month	Linear Interpolation Ada County of Non-Ag Employ. NAG1	Ada County Number of Households NHT	Linear Interpolation of Ada County Population NPT1	Annual Average Ada County Non-Ag Employ. NAGA	Annual Average Ada County Households NHTA	Annual Average Ada County Population NPTA	Ada County Nominal Per Capita Personal Income YPPC$	Ada County (2003 $) Per Capita Personal Income YPPC	
Apr-09	260,200	143,813	385,763	255,700	143,686	385,308	39,950	38,390	
May-09	258,700	143,771	386,218	255,700	143,686	385,308	39,950	38,279	
Jun-09	257,200	143,728	386,673	255,700	143,686	385,308	39,950	37,953	
Jul-09	255,700	143,686	387,128	255,700	143,686	385,308	39,950	38,013	
Aug-09	255,525	143,832	387,583	255,700	143,686	385,308	39,950	37,928	
Sep-09	255,350	143,977	388,038	255,700	143,686	385,308	39,950	37,905	
Oct-09	255,175	144,123	388,493	255,700	143,686	385,308	39,950	37,905	
Nov-09	255,000	144,268	388,948	255,700	143,686	385,308	39,950	37,881	
Dec-09	254,825	144,414	389,403	255,700	143,686	385,308	39,950	37,857	
Jan-10	254,650	144,560	389,858	253,600	145,433	390,768	40,280	39,100	
Feb-10	254,475	144,705	390,313	253,600	145,433	390,768	40,280	39,076	
Mar-10	254,300	144,851	390,768	253,600	145,433	390,768	40,280	39,052	
Apr-10	254,125	144,996	390,768	253,600	145,433	390,768	40,280	39,027	
May-10	253,950	145,142	391,367	253,600	145,433	390,768	40,280	39,003	
Jun-10	253,775	145,287	391,966	253,600	145,433	390,768	40,280	38,979	
Jul-10	253,600	145,433	392,565	253,600	145,433	390,768	40,280	37,468	
Aug-10	253,858	145,619	393,164	253,600	145,433	390,768	40,280	37,524	
Sep-10	254,117	145,806	393,763	253,600	145,433	390,768	40,280	37,579	
Oct-10	254,375	145,992	394,362	253,600	145,433	390,768	40,280	37,635	Historic
Nov-10	254,633	146,178	394,960	253,600	145,433	390,768	40,280	37,691	Data
Dec-10	254,892	146,365	395,559	253,600	145,433	390,768	40,280	37,747	
Jan-11	255,150	146,551	396,158	256,700	147,669	397,955	41,390	39,102	
Feb-11	255,408	146,737	396,757	256,700	147,669	397,955	41,390	39,160	
Mar-11	255,667	146,924	397,356	256,700	147,669	397,955	41,390	39,219	
Apr-11	255,925	147,110	397,955	256,700	147,669	397,955	41,390	39,277	
May-11	256,183	147,296	397,955	256,700	147,669	397,955	41,390	39,336	
Jun-11	256,442	147,483	398,597	256,700	147,669	397,955	41,390	39,395	
Jul-11	256,700	147,669	399,238	256,700	147,669	397,955	41,390	39,454	
Aug-11	257,400	147,927	399,880	256,700	147,669	397,955	41,390	39,386	
Sep-11	258,100	148,185	400,522	256,700	147,669	397,955	41,390	39,318	
Oct-11	258,800	148,442	401,163	256,700	147,669	397,955	41,390	39,251	
Nov-11	259,500	148,700	401,805	256,700	147,669	397,955	41,390	39,183	
Dec-11	260,200	148,958	402,447	256,700	147,669	397,955	41,390	39,116	
Jan-12	260,900	149,216	403,088	265,100	150,762	405,655	42,600	40,560	
Feb-12	261,600	149,473	403,730	265,100	150,762	405,655	42,600	40,491	
Mar-12	262,300	149,731	404,372	265,100	150,762	405,655	42,600	40,422	
Apr-12	263,000	149,989	405,013	265,100	150,762	405,655	42,600	40,353	
May-12	263,700	150,247	405,655	265,100	150,762	405,655	42,600	40,284	
Jun-12	264,400	150,504	406,336	265,100	150,762	405,655	42,600	40,216	Forecast
Jul-12	265,100	150,762	407,017	265,100	150,762	405,655	42,600	40,148	Data
Aug-12	265,717	151,044	407,698	265,100	150,762	405,655	42,600	40,083	
Sep-12	266,333	151,327	408,379	265,100	150,762	405,655	42,600	40,018	
Oct-12	266,950	151,609	409,060	265,100	150,762	405,655	42,600	39,954	
Nov-12	267,567	151,891	409,741	265,100	150,762	405,655	42,600	39,889	
Dec-12	268,183	152,173	410,422	265,100	150,762	405,655	42,600	39,825	
Jan-13	268,800	152,456	411,103	272,500	154,149	413,827	44,030	41,234	
Feb-13	269,417	152,738	411,784	272,500	154,149	413,827	44,030	41,168	
Mar-13	270,033	153,020	412,465	272,500	154,149	413,827	44,030	41,102	
Apr-13	270,650	153,302	413,146	272,500	154,149	413,827	44,030	41,037	
May-13	271,267	153,585	413,827	272,500	154,149	413,827	44,030	40,971	
Jun-13	271,883	153,867	413,827	272,500	154,149	413,827	44,030	40,906	
Jul-13	272,500	154,149	414,537	272,500	154,149	413,827	44,030	40,841	
Aug-13	273,142	154,443	415,246	272,500	154,149	413,827	44,030	40,776	
Sep-13	273,783	154,736	415,956	272,500	154,149	413,827	44,030	40,712	
Oct-13	274,425	155,030	416,665	272,500	154,149	413,827	44,030	40,647	
Nov-13	275,067	155,323	417,375	272,500	154,149	413,827	44,030	40,583	
Dec-13	275,708	155,617	418,084	272,500	154,149	413,827	44,030	40,519	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables								
Month	Linear Interpolation Ada County of Non-Ag Employ. NAG1	Ada County Number of Households NHT	Linear Interpolation of Ada County Population NPT1	Annual Average Ada County Non-Ag Employ. NAGA	Annual Average Ada County Households NHTA	Annual Average Ada County Population NPTA	Ada County Nominal Per Capita Personal Income YPPC$	Ada County (2003 $) Per Capita Personal Income YPPC	
Jan-14	276,350	155,910	418,794	280,200	157,671	422,341	45,860	41,940	
Feb-14	276,992	156,204	419,503	280,200	157,671	422,341	45,860	41,874	
Mar-14	277,633	156,497	420,213	280,200	157,671	422,341	45,860	41,808	
Apr-14	278,275	156,791	420,922	280,200	157,671	422,341	45,860	41,743	
May-14	278,917	157,084	421,632	280,200	157,671	422,341	45,860	41,677	
Jun-14	279,558	157,378	422,341	280,200	157,671	422,341	45,860	41,612	
Jul-14	280,200	157,671	422,341	280,200	157,671	422,341	45,860	41,547	
Aug-14	280,767	157,966	423,063	280,200	157,671	422,341	45,860	41,483	
Sep-14	281,333	158,262	423,786	280,200	157,671	422,341	45,860	41,418	
Oct-14	281,900	158,557	424,508	280,200	157,671	422,341	45,860	41,354	
Nov-14	282,467	158,852	425,231	280,200	157,671	422,341	45,860	41,290	
Dec-14	283,033	159,147	425,953	280,200	157,671	422,341	45,860	41,226	Forecast
Jan-15	283,600	159,443	426,676	287,000	161,214	431,010	47,710	42,611	Data
Feb-15	284,167	159,738	427,398	287,000	161,214	431,010	47,710	42,546	
Mar-15	284,733	160,033	428,120	287,000	161,214	431,010	47,710	42,480	
Apr-15	285,300	160,328	428,843	287,000	161,214	431,010	47,710	42,415	
May-15	285,867	160,624	429,565	287,000	161,214	431,010	47,710	42,350	
Jun-15	286,433	160,919	430,288	287,000	161,214	431,010	47,710	42,285	
Jul-15	287,000	161,214	431,010	287,000	161,214	431,010	47,710	42,220	
Aug-15	287,533	161,508	431,010	287,000	161,214	431,010	47,710	42,151	
Sep-15	288,067	161,803	431,744	287,000	161,214	431,010	47,710	42,083	
Oct-15	288,600	162,097	432,478	287,000	161,214	431,010	47,710	42,014	
Nov-15	289,133	162,391	433,213	287,000	161,214	431,010	47,710	41,946	
Dec-15	289,667	162,686	433,947	287,000	161,214	431,010	47,710	41,878	
Jan-16	290,200	162,980	434,681	293,400	164,746	439,820	49,610	43,300	
Feb-16	290,733	163,274	435,415	293,400	164,746	439,820	49,610	43,230	
Mar-16	291,267	163,569	436,149	293,400	164,746	439,820	49,610	43,161	
Apr-16	291,800	163,863	436,883	293,400	164,746	439,820	49,610	43,091	
May-16	292,333	164,157	437,618	293,400	164,746	439,820	49,610	43,022	
Jun-16	292,867	164,452	438,352	293,400	164,746	439,820	49,610	42,953	
Jul-16	293,400	164,746	439,086	293,400	164,746	439,820	49,610	42,884	
Aug-16	293,917	165,034	439,820	293,400	164,746	439,820	49,610	42,815	
Sep-16	294,433	165,322	439,820	293,400	164,746	439,820	49,610	42,747	
Oct-16	294,950	165,611	440,546	293,400	164,746	439,820	49,610	42,679	
Nov-16	295,467	165,899	441,271	293,400	164,746	439,820	49,610	42,611	
Dec-16	295,983	166,187	441,997	293,400	164,746	439,820	49,610	42,543	
Jan-17	296,500	166,475	442,723	299,600	168,204	448,528	51,530	44,012	
Feb-17	297,017	166,763	443,448	299,600	168,204	448,528	51,530	43,942	
Mar-17	297,533	167,051	444,174	299,600	168,204	448,528	51,530	43,872	
Apr-17	298,050	167,340	444,900	299,600	168,204	448,528	51,530	43,803	
May-17	298,567	167,628	445,625	299,600	168,204	448,528	51,530	43,734	
Jun-17	299,083	167,916	446,351	299,600	168,204	448,528	51,530	43,665	
Jul-17	299,600	168,204	447,077	299,600	168,204	448,528	51,530	43,596	
Aug-17	300,067	168,487	447,802	299,600	168,204	448,528	51,530	43,528	
Sep-17	300,533	168,771	448,528	299,600	168,204	448,528	51,530	43,460	
Oct-17	301,000	169,054	448,528	299,600	168,204	448,528	51,530	43,392	
Nov-17	301,467	169,338	449,251	299,600	168,204	448,528	51,530	43,324	
Dec-17	301,933	169,621	449,975	299,600	168,204	448,528	51,530	43,256	
Jan-18	302,400	169,905	450,698	305,200	171,605	457,207	53,480	44,770	
Feb-18	302,867	170,188	451,421	305,200	171,605	457,207	53,480	44,700	
Mar-18	303,333	170,471	452,144	305,200	171,605	457,207	53,480	44,630	
Apr-18	303,800	170,755	452,868	305,200	171,605	457,207	53,480	44,561	
May-18	304,267	171,038	453,591	305,200	171,605	457,207	53,480	44,492	
Jun-18	304,733	171,322	454,314	305,200	171,605	457,207	53,480	44,423	
Jul-18	305,200	171,605	455,037	305,200	171,605	457,207	53,480	44,355	
Aug-18	305,658	171,882	455,761	305,200	171,605	457,207	53,480	44,288	
Sep-18	306,117	172,160	456,484	305,200	171,605	457,207	53,480	44,221	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables								
Month	Linear Interpolation Ada County of Non-Ag Employ. NAG1	Ada County Number of Households NHT	Linear Interpolation of Ada County Population NPT1	Annual Average Ada County Non-Ag Employ. NAGA	Annual Average Ada County Households NHTA	Annual Average Ada County Population NPTA	Ada County Nominal Per Capita Personal Income YPPC$	Ada County (2003 $) Per Capita Personal Income YPPC	
Oct-18	306,575	172,437	457,207	305,200	171,605	457,207	53,480	44,155	
Nov-18	307,033	172,714	457,207	305,200	171,605	457,207	53,480	44,088	
Dec-18	307,492	172,992	457,924	305,200	171,605	457,207	53,480	44,022	
Jan-19	307,950	173,269	458,641	310,700	174,933	465,813	55,590	45,566	
Feb-19	308,408	173,546	459,359	310,700	174,933	465,813	55,590	45,498	
Mar-19	308,867	173,824	460,076	310,700	174,933	465,813	55,590	45,430	
Apr-19	309,325	174,101	460,793	310,700	174,933	465,813	55,590	45,362	
May-19	309,783	174,378	461,510	310,700	174,933	465,813	55,590	45,295	
Jun-19	310,242	174,656	462,227	310,700	174,933	465,813	55,590	45,227	
Jul-19	310,700	174,933	462,944	310,700	174,933	465,813	55,590	45,160	
Aug-19	311,117	175,218	463,662	310,700	174,933	465,813	55,590	45,096	
Sep-19	311,533	175,503	464,379	310,700	174,933	465,813	55,590	45,032	Forecast
Oct-19	311,950	175,788	465,096	310,700	174,933	465,813	55,590	44,969	Data
Nov-19	312,367	176,073	465,813	310,700	174,933	465,813	55,590	44,905	
Dec-19	312,783	176,358	465,813	310,700	174,933	465,813	55,590	44,842	
Jan-20	313,200	176,643	466,531	315,700	178,352	474,430	57,810	46,417	
Feb-20	313,617	176,927	467,249	315,700	178,352	474,430	57,810	46,352	
Mar-20	314,033	177,212	467,967	315,700	178,352	474,430	57,810	46,287	
Apr-20	314,450	177,497	468,685	315,700	178,352	474,430	57,810	46,222	
May-20	314,867	177,782	469,403	315,700	178,352	474,430	57,810	46,157	
Jun-20	315,283	178,067	470,122	315,700	178,352	474,430	57,810	46,093	
Jul-20	315,700	178,352	470,840	315,700	178,352	474,430	57,810	46,029	
Aug-20	316,100	178,646	471,558	315,700	178,352	474,430	57,810	45,961	
Sep-20	316,500	178,940	472,276	315,700	178,352	474,430	57,810	45,895	
Oct-20	316,900	179,234	472,994	315,700	178,352	474,430	57,810	45,828	
Nov-20	317,300	179,528	473,712	315,700	178,352	474,430	57,810	45,761	
Dec-20	317,700	179,822	474,430	315,700	178,352	474,430	57,810	45,695	
Jan-21	318,100	180,116	483,028	320,500	181,879	483,028	59,990	47,260	
Feb-21	318,500	180,409	483,742	320,500	181,879	483,028	59,990	47,192	
Mar-21	318,900	180,703	484,456	320,500	181,879	483,028	59,990	47,124	
Apr-21	319,300	180,997	485,170	320,500	181,879	483,028	59,990	47,056	
May-21	319,700	181,291	485,883	320,500	181,879	483,028	59,990	46,988	
Jun-21	320,100	181,585	486,597	320,500	181,879	483,028	59,990	46,921	
Jul-21	320,500	181,879	487,311	320,500	181,879	483,028	59,990	46,854	
Aug-21	320,933	182,174	488,025	320,500	181,879	483,028	59,990	46,785	
Sep-21	321,367	182,470	488,739	320,500	181,879	483,028	59,990	46,717	
Oct-21	321,800	182,765	489,453	320,500	181,879	483,028	59,990	46,649	
Nov-21	322,233	183,060	490,166	320,500	181,879	483,028	59,990	46,581	
Dec-21	322,667	183,356	490,880	320,500	181,879	483,028	59,990	46,513	
Jan-22	323,100	183,651	491,594	325,700	185,423	491,594	62,280	48,124	
Feb-22	323,533	183,946	491,594	325,700	185,423	491,594	62,280	48,054	
Mar-22	323,967	184,242	492,304	325,700	185,423	491,594	62,280	47,984	
Apr-22	324,400	184,537	493,013	325,700	185,423	491,594	62,280	47,915	
May-22	324,833	184,832	493,723	325,700	185,423	491,594	62,280	47,846	
Jun-22	325,267	185,128	494,433	325,700	185,423	491,594	62,280	47,777	
Jul-22	325,700	185,423	495,142	325,700	185,423	491,594	62,280	47,708	
Aug-22	326,125	185,716	495,852	325,700	185,423	491,594	62,280	47,639	
Sep-22	326,550	186,010	496,562	325,700	185,423	491,594	62,280	47,571	
Oct-22	326,975	186,303	497,271	325,700	185,423	491,594	62,280	47,503	
Nov-22	327,400	186,596	497,981	325,700	185,423	491,594	62,280	47,435	
Dec-22	327,825	186,889	498,691	325,700	185,423	491,594	62,280	47,367	
Jan-23	328,250	187,183	499,400	330,800	188,942	500,110	64,610	49,063	
Feb-23	328,675	187,476	500,110	330,800	188,942	500,110	64,610	48,993	
Mar-23	329,100	187,769	500,110	330,800	188,942	500,110	64,610	48,923	
Apr-23	329,525	188,062	500,820	330,800	188,942	500,110	64,610	48,853	
May-23	329,950	188,356	501,531	330,800	188,942	500,110	64,610	48,784	
Jun-23	330,375	188,649	502,241	330,800	188,942	500,110	64,610	48,715	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables								
Month	Linear Interpolation Ada County of Non-Ag Employ. NAG1	Ada County Number of Households NHT	Linear Interpolation of Ada County Population NPT1	Annual Average Ada County Non-Ag Employ. NAGA	Annual Average Ada County Households NHTA	Annual Average Ada County Population NPTA	Ada County Nominal Per Capita Personal Income YPPC$	Ada County (2003 $) Per Capita Personal Income YPPC	
Jul-23	330,800	188,942	502,951	330,800	188,942	500,110	64,610	48,646	
Aug-23	331,225	189,237	503,661	330,800	188,942	500,110	64,610	48,570	
Sep-23	331,650	189,532	504,372	330,800	188,942	500,110	64,610	48,494	
Oct-23	332,075	189,827	505,082	330,800	188,942	500,110	64,610	48,419	
Nov-23	332,500	190,122	505,792	330,800	188,942	500,110	64,610	48,343	
Dec-23	332,925	190,417	506,502	330,800	188,942	500,110	64,610	48,268	
Jan-24	333,350	190,712	507,213	335,900	192,481	508,633	67,080	49,985	
Feb-24	333,775	191,006	507,923	335,900	192,481	508,633	67,080	49,907	
Mar-24	334,200	191,301	508,633	335,900	192,481	508,633	67,080	49,830	
Apr-24	334,625	191,596	509,344	335,900	192,481	508,633	67,080	49,753	
May-24	335,050	191,891	510,055	335,900	192,481	508,633	67,080	49,676	
Jun-24	335,475	192,186	510,767	335,900	192,481	508,633	67,080	49,600	Forecast
Jul-24	335,900	192,481	511,478	335,900	192,481	508,633	67,080	49,524	Data
Aug-24	336,333	192,777	512,189	335,900	192,481	508,633	67,080	49,446	
Sep-24	336,767	193,073	512,900	335,900	192,481	508,633	67,080	49,369	
Oct-24	337,200	193,370	513,611	335,900	192,481	508,633	67,080	49,292	
Nov-24	337,633	193,666	514,322	335,900	192,481	508,633	67,080	49,215	
Dec-24	338,067	193,962	515,034	335,900	192,481	508,633	67,080	49,139	
Jan-25	338,500	194,258	515,745	341,100	196,035	517,167	69,650	50,892	
Feb-25	338,933	194,554	516,456	341,100	196,035	517,167	69,650	50,813	
Mar-25	339,367	194,850	517,167	341,100	196,035	517,167	69,650	50,735	
Apr-25	339,800	195,147	517,167	341,100	196,035	517,167	69,650	50,656	
May-25	340,233	195,443	517,882	341,100	196,035	517,167	69,650	50,578	
Jun-25	340,667	195,739	518,598	341,100	196,035	517,167	69,650	50,500	
Jul-25	341,100	196,035	519,313	341,100	196,035	517,167	69,650	50,422	
Aug-25	341,525	196,338	520,028	341,100	196,035	517,167	69,650	50,344	
Sep-25	341,950	196,640	520,744	341,100	196,035	517,167	69,650	50,265	
Oct-25	342,375	196,943	521,459	341,100	196,035	517,167	69,650	50,187	
Nov-25	342,800	197,245	522,174	341,100	196,035	517,167	69,650	50,108	
Dec-25	343,225	197,548	522,890	341,100	196,035	517,167	69,650	50,031	
Jan-26	343,650	197,850	523,605	346,200	199,665	525,751	72,330	51,863	
Feb-26	344,075	198,153	524,320	346,200	199,665	525,751	72,330	51,783	
Mar-26	344,500	198,455	525,036	346,200	199,665	525,751	72,330	51,702	
Apr-26	344,925	198,758	525,751	346,200	199,665	525,751	72,330	51,622	
May-26	345,350	199,060	525,751	346,200	199,665	525,751	72,330	51,543	
Jun-26	345,775	199,363	526,503	346,200	199,665	525,751	72,330	51,463	
Jul-26	346,200	199,665	527,256	346,200	199,665	525,751	72,330	51,384	
Aug-26	346,667	199,980	528,008	346,200	199,665	525,751	72,330	51,301	
Sep-26	347,133	200,295	528,761	346,200	199,665	525,751	72,330	51,218	
Oct-26	347,600	200,609	529,513	346,200	199,665	525,751	72,330	51,135	
Nov-26	348,067	200,924	530,266	346,200	199,665	525,751	72,330	51,053	
Dec-26	348,533	201,239	531,018	346,200	199,665	525,751	72,330	50,971	
Jan-27	349,000	201,554	531,770	351,800	203,442	534,780	75,090	52,831	
Feb-27	349,467	201,868	532,523	351,800	203,442	534,780	75,090	52,746	
Mar-27	349,933	202,183	533,275	351,800	203,442	534,780	75,090	52,662	
Apr-27	350,400	202,498	534,028	351,800	203,442	534,780	75,090	52,578	
May-27	350,867	202,813	534,780	351,800	203,442	534,780	75,090	52,494	
Jun-27	351,333	203,127	534,780	351,800	203,442	534,780	75,090	52,410	
Jul-27	351,800	203,442	535,554	351,800	203,442	534,780	75,090	52,327	
Aug-27	352,258	203,757	536,328	351,800	203,442	534,780	75,090	52,243	
Sep-27	352,717	204,072	537,102	351,800	203,442	534,780	75,090	52,160	
Oct-27	353,175	204,387	537,876	351,800	203,442	534,780	75,090	52,078	
Nov-27	353,633	204,701	538,650	351,800	203,442	534,780	75,090	51,995	
Dec-27	354,092	205,016	539,424	351,800	203,442	534,780	75,090	51,913	
Jan-28	354,550	205,331	540,198	357,300	207,220	544,068	77,900	53,853	
Feb-28	355,008	205,646	540,972	357,300	207,220	544,068	77,900	53,768	
Mar-28	355,467	205,961	541,746	357,300	207,220	544,068	77,900	53,684	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables								
Month	Linear Interpolation Ada County of Non-Ag Employ. NAG1	Ada County Number of Households NHT	Linear Interpolation of Ada County Population NPT1	Annual Average Ada County Non-Ag Employ. NAGA	Annual Average Ada County Households NHTA	Annual Average Ada County Population NPTA	Ada County Nominal Per Capita Personal Income YPPC$	Ada County (2003 $) Per Capita Personal Income YPPC	
Apr-28	355,925	206,276	542,520	357,300	207,220	544,068	77,900	53,600	
May-28	356,383	206,590	543,294	357,300	207,220	544,068	77,900	53,516	
Jun-28	356,842	206,905	544,068	357,300	207,220	544,068	77,900	53,432	
Jul-28	357,300	207,220	544,068	357,300	207,220	544,068	77,900	53,348	
Aug-28	357,783	207,539	544,860	357,300	207,220	544,068	77,900	53,259	
Sep-28	358,267	207,858	545,651	357,300	207,220	544,068	77,900	53,171	
Oct-28	358,750	208,177	546,443	357,300	207,220	544,068	77,900	53,082	
Nov-28	359,233	208,496	547,234	357,300	207,220	544,068	77,900	52,994	
Dec-28	359,717	208,815	548,026	357,300	207,220	544,068	77,900	52,906	
Jan-29	360,200	209,134	548,817	363,100	211,048	553,566	80,830	54,885	
Feb-29	360,683	209,453	549,609	363,100	211,048	553,566	80,830	54,795	
Mar-29	361,167	209,772	550,400	363,100	211,048	553,566	80,830	54,704	Forecast
Apr-29	361,650	210,091	551,192	363,100	211,048	553,566	80,830	54,614	Data
May-29	362,133	210,410	551,983	363,100	211,048	553,566	80,830	54,524	
Jun-29	362,617	210,729	552,775	363,100	211,048	553,566	80,830	54,435	
Jul-29	363,100	211,048	553,566	363,100	211,048	553,566	80,830	54,346	
Aug-29	363,625	211,370	553,566	363,100	211,048	553,566	80,830	54,255	
Sep-29	364,150	211,693	554,374	363,100	211,048	553,566	80,830	54,165	
Oct-29	364,675	212,015	555,181	363,100	211,048	553,566	80,830	54,075	
Nov-29	365,200	212,337	555,989	363,100	211,048	553,566	80,830	53,986	
Dec-29	365,725	212,659	556,796	363,100	211,048	553,566	80,830	53,897	
Jan-30	366,250	212,982	557,604	369,400	214,915	563,256	83,960	55,922	
Feb-30	366,775	213,304	558,411	369,400	214,915	563,256	83,960	55,830	
Mar-30	367,300	213,626	559,219	369,400	214,915	563,256	83,960	55,738	
Apr-30	367,825	213,948	560,026	369,400	214,915	563,256	83,960	55,647	
May-30	368,350	214,271	560,834	369,400	214,915	563,256	83,960	55,556	
Jun-30	368,875	214,593	561,641	369,400	214,915	563,256	83,960	55,465	
Jul-30	369,400	214,915	562,449	369,400	214,915	563,256	83,960	55,374	
Aug-30	369,783	215,243	563,256	369,400	214,915	563,256	83,960	55,284	
Sep-30	370,167	215,570	563,256	369,400	214,915	563,256	83,960	55,194	
Oct-30	370,550	215,898	564,070	369,400	214,915	563,256	83,960	55,104	
Nov-30	370,933	216,225	564,884	369,400	214,915	563,256	83,960	55,015	
Dec-30	371,317	216,553	565,698	369,400	214,915	563,256	83,960	54,926	
Jan-31	371,700	216,881	566,511	374,000	218,846	573,022	87,070	54,837	
Feb-31	372,083	217,208	567,325	374,000	218,846	573,022	87,070	54,748	
Mar-31	372,467	217,536	568,139	374,000	218,846	573,022	87,070	54,660	
Apr-31	372,850	217,863	568,953	374,000	218,846	573,022	87,070	54,572	
May-31	373,233	218,191	569,767	374,000	218,846	573,022	87,070	54,484	
Jun-31	373,617	218,518	570,581	374,000	218,846	573,022	87,070	54,397	
Jul-31	374,000	218,846	571,394	374,000	218,846	573,022	87,070	54,310	
Aug-31	374,467	219,175	572,208	374,000	218,846	573,022	87,070	54,223	
Sep-31	374,933	219,504	573,022	374,000	218,846	573,022	87,070	54,136	
Oct-31	375,400	219,833	573,022	374,000	218,846	573,022	87,070	54,050	
Nov-31	375,867	220,161	573,840	374,000	218,846	573,022	87,070	53,964	
Dec-31	376,333	220,490	574,658	374,000	218,846	573,022	87,070	53,878	
Jan-32	376,800	220,819	575,475	379,600	222,792	582,835	90,360	55,906	
Feb-32	377,267	221,148	576,293	379,600	222,792	582,835	90,360	55,818	
Mar-32	377,733	221,477	577,111	379,600	222,792	582,835	90,360	55,729	
Apr-32	378,200	221,806	577,929	379,600	222,792	582,835	90,360	55,641	
May-32	378,667	222,134	578,746	379,600	222,792	582,835	90,360	55,553	
Jun-32	379,133	222,463	579,564	379,600	222,792	582,835	90,360	55,466	
Jul-32	379,600	222,792	580,382	379,600	222,792	582,835	90,360	55,362	
Aug-32	380,075	223,125	581,200	379,600	222,792	582,835	90,360	55,274	
Sep-32	380,550	223,458	582,017	379,600	222,792	582,835	90,360	55,186	
Oct-32	381,025	223,791	582,835	379,600	222,792	582,835	90,360	55,098	
Nov-32	381,500	224,124	582,835	379,600	222,792	582,835	90,360	55,011	
Dec-32	381,975	224,457	583,657	379,600	222,792	582,835	90,360	54,924	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables								
Month	Linear Interpolation Ada County of Non-Ag Employ. NAG1	Ada County Number of Households NHT	Linear Interpolation of Ada County Population NPT1	Annual Average Ada County Non-Ag Employ. NAGA	Annual Average Ada County Households NHTA	Annual Average Ada County Population NPTA	Ada County Nominal Per Capita Personal Income YPPC$	Ada County (2003 $) Per Capita Personal Income YPPC	
Jan-33	382,450	224,791	584,479	385,300	226,789	592,700	93,900	56,992	
Feb-33	382,925	225,124	585,301	385,300	226,789	592,700	93,900	56,902	
Mar-33	383,400	225,457	586,123	385,300	226,789	592,700	93,900	56,812	
Apr-33	383,875	225,790	586,945	385,300	226,789	592,700	93,900	56,723	
May-33	384,350	226,123	587,768	385,300	226,789	592,700	93,900	56,634	
Jun-33	384,825	226,456	588,590	385,300	226,789	592,700	93,900	56,545	
Jul-33	385,300	226,789	589,412	385,300	226,789	592,700	93,900	56,456	
Aug-33	385,792	227,124	590,234	385,300	226,789	592,700	93,900	56,365	
Sep-33	386,283	227,459	591,056	385,300	226,789	592,700	93,900	56,274	
Oct-33	386,775	227,794	591,878	385,300	226,789	592,700	93,900	56,184	
Nov-33	387,267	228,129	592,700	385,300	226,789	592,700	93,900	56,093	
Dec-33	387,758	228,464	592,700	385,300	226,789	592,700	93,900	56,003	Forecast
Jan-34	388,250	228,799	593,527	391,200	230,809	602,625	97,530	58,111	Data
Feb-34	388,742	229,134	594,354	391,200	230,809	602,625	97,530	58,018	
Mar-34	389,233	229,469	595,181	391,200	230,809	602,625	97,530	57,925	
Apr-34	389,725	229,804	596,008	391,200	230,809	602,625	97,530	57,833	
May-34	390,217	230,139	596,835	391,200	230,809	602,625	97,530	57,741	
Jun-34	390,708	230,474	597,663	391,200	230,809	602,625	97,530	57,649	
Jul-34	391,200	230,809	598,490	391,200	230,809	602,625	97,530	57,558	
Aug-34	391,717	231,146	599,317	391,200	230,809	602,625	97,530	57,467	
Sep-34	392,233	231,484	600,144	391,200	230,809	602,625	97,530	57,376	
Oct-34	392,750	231,821	600,971	391,200	230,809	602,625	97,530	57,286	
Nov-34	393,267	232,158	601,798	391,200	230,809	602,625	97,530	57,195	
Dec-34	393,783	232,495	602,625	391,200	230,809	602,625	97,530	57,105	
Jan-35	394,300	232,833	612,605	397,400	234,856	612,605	101,440	61,585	
Feb-35	394,817	233,170	613,447	397,400	234,856	612,605	101,440	61,489	
Mar-35	395,333	233,507	614,288	397,400	234,856	612,605	101,440	61,392	
Apr-35	395,850	233,844	615,130	397,400	234,856	612,605	101,440	61,296	
May-35	396,367	234,182	615,972	397,400	234,856	612,605	101,440	61,201	
Jun-35	396,883	234,519	616,813	397,400	234,856	612,605	101,440	61,105	
Jul-35	397,400	234,856	617,655	397,400	234,856	612,605	101,440	60,993	
Aug-35	397,900	235,197	618,497	397,400	234,856	612,605	101,440	60,880	
Sep-35	398,400	235,538	619,338	397,400	234,856	612,605	101,440	60,769	
Oct-35	398,900	235,880	620,180	397,400	234,856	612,605	101,440	60,657	
Nov-35	399,400	236,221	621,022	397,400	234,856	612,605	101,440	60,546	
Dec-35	399,900	236,562	621,863	397,400	234,856	612,605	101,440	60,436	
Jan-36	400,400	236,903	622,705	403,400	238,950	622,705	105,460	62,696	
Feb-36	400,900	237,244	623,555	403,400	238,950	622,705	105,460	62,582	
Mar-36	401,400	237,585	624,404	403,400	238,950	622,705	105,460	62,468	
Apr-36	401,900	237,927	625,254	403,400	238,950	622,705	105,460	62,192	
May-36	402,400	238,268	626,103	403,400	238,950	622,705	105,460	61,919	
Jun-36	402,900	238,609	626,953	403,400	238,950	622,705	105,460	61,648	
Jul-36	403,400	238,950	627,803	403,400	238,950	622,705	105,460	61,380	
Aug-36	403,850	239,297	628,652	403,400	238,950	622,705	105,460	61,112	
Sep-36	404,300	239,645	629,502	403,400	238,950	622,705	105,460	60,846	
Oct-36	404,750	239,992	630,351	403,400	238,950	622,705	105,460	60,581	
Nov-36	405,200	240,339	631,201	403,400	238,950	622,705	105,460	60,317	
Dec-36	405,650	240,686	632,050	403,400	238,950	622,705	105,460	60,054	
Jan-37	406,100	241,034	632,900	408,800	243,117	632,900	109,480	65,831	
Feb-37	406,550	241,381	632,900	408,800	243,117	632,900	109,480	65,711	
Mar-37	407,000	241,728	633,756	408,800	243,117	632,900	109,480	65,592	
Apr-37	407,450	242,075	634,612	408,800	243,117	632,900	109,480	65,302	
May-37	407,900	242,423	635,468	408,800	243,117	632,900	109,480	65,015	
Jun-37	408,350	242,770	636,323	408,800	243,117	632,900	109,480	64,730	
Jul-37	408,800	243,117	637,179	408,800	243,117	632,900	109,480	64,448	
Aug-37	409,292	243,467	638,035	408,800	243,117	632,900	109,480	64,168	
Sep-37	409,783	243,817	638,891	408,800	243,117	632,900	109,480	63,888	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables								
Month	Linear Interpolation Ada County of Non-Ag Employ. NAG1	Ada County Number of Households NHT	Linear Interpolation of Ada County Population NPT1	Annual Average Ada County Non-Ag Employ. NAGA	Annual Average Ada County Households NHTA	Annual Average Ada County Population NPTA	Ada County Nominal Per Capita Personal Income YPPC$	Ada County (2003 $) Per Capita Personal Income YPPC	
Oct-37	410,275	244,167	639,747	408,800	243,117	632,900	109,480	63,610	
Nov-37	410,767	244,517	640,603	408,800	243,117	632,900	109,480	63,333	
Dec-37	411,258	244,867	641,458	408,800	243,117	632,900	109,480	63,057	
Jan-38	411,750	245,217	642,314	414,700	247,316	643,170	113,860	69,122	
Feb-38	412,242	245,566	643,170	414,700	247,316	643,170	113,860	68,996	
Mar-38	412,733	245,916	643,170	414,700	247,316	643,170	113,860	68,871	
Apr-38	413,225	246,266	644,032	414,700	247,316	643,170	113,860	68,567	
May-38	413,717	246,616	644,894	414,700	247,316	643,170	113,860	68,266	
Jun-38	414,208	246,966	645,756	414,700	247,316	643,170	113,860	67,967	
Jul-38	414,700	247,316	646,618	414,700	247,316	643,170	113,860	67,671	
Aug-38	415,258	247,668	647,480	414,700	247,316	643,170	113,860	67,376	
Sep-38	415,817	248,020	648,342	414,700	247,316	643,170	113,860	67,083	Forecast
Oct-38	416,375	248,371	649,204	414,700	247,316	643,170	113,860	66,790	Data
Nov-38	416,933	248,723	650,066	414,700	247,316	643,170	113,860	66,499	
Dec-38	417,492	249,075	650,928	414,700	247,316	643,170	113,860	66,210	
Jan-39	418,050	249,427	651,790	421,400	251,537	653,514	118,560	72,578	
Feb-39	418,608	249,778	652,652	421,400	251,537	653,514	118,560	72,446	
Mar-39	419,167	250,130	653,514	421,400	251,537	653,514	118,560	72,315	
Apr-39	419,725	250,482	653,514	421,400	251,537	653,514	118,560	71,995	
May-39	420,283	250,834	654,384	421,400	251,537	653,514	118,560	71,679	
Jun-39	420,842	251,185	655,254	421,400	251,537	653,514	118,560	71,365	
Jul-39	421,400	251,537	656,125	421,400	251,537	653,514	118,560	71,054	
Aug-39	422,000	251,882	656,995	421,400	251,537	653,514	118,560	70,745	
Sep-39	422,600	252,227	657,865	421,400	251,537	653,514	118,560	70,437	
Oct-39	423,200	252,572	658,735	421,400	251,537	653,514	118,560	70,130	
Nov-39	423,800	252,917	659,605	421,400	251,537	653,514	118,560	69,824	
Dec-39	424,400	253,262	660,475	421,400	251,537	653,514	118,560	69,520	
Jan-40	425,000	253,607	661,346	428,600	255,676	663,956	123,630	76,207	
Feb-40	425,600	253,951	662,216	428,600	255,676	663,956	123,630	76,069	
Mar-40	426,200	254,296	663,086	428,600	255,676	663,956	123,630	75,930	
Apr-40	426,800	254,641	663,956	428,600	255,676	663,956	123,630	75,595	
May-40	427,400	254,986	663,956	428,600	255,676	663,956	123,630	75,263	
Jun-40	428,000	255,331	664,841	428,600	255,676	663,956	123,630	74,934	
Jul-40	428,600	255,676	665,727	428,600	255,676	663,956	123,630	74,607	
Aug-40	429,207	256,038	666,612	428,600	255,676	663,956	123,630	74,282	
Sep-40	429,814	256,400	667,497	428,600	255,676	663,956	123,630	73,959	
Oct-40	430,422	256,763	668,382	428,600	255,676	663,956	123,630	73,636	
Nov-40	431,029	257,125	669,268	428,600	255,676	663,956	123,630	73,315	
Dec-40	431,636	257,487	670,153	428,600	255,676	663,956	123,630	72,996	
Jan-41	432,243	257,849	671,038	435,886	260,022	674,579	128,946	80,018	
Feb-41	432,850	258,211	671,923	435,886	260,022	674,579	128,946	79,872	
Mar-41	433,457	258,574	672,809	435,886	260,022	674,579	128,946	79,727	
Apr-41	434,065	258,936	673,694	435,886	260,022	674,579	128,946	79,375	
May-41	434,672	259,298	674,579	435,886	260,022	674,579	128,946	79,026	
Jun-41	435,279	259,660	674,579	435,886	260,022	674,579	128,946	78,680	
Jul-41	435,886	260,022	675,479	435,886	260,022	674,579	128,946	78,338	
Aug-41	436,504	260,391	676,378	435,886	260,022	674,579	128,946	77,996	
Sep-41	437,121	260,759	677,278	435,886	260,022	674,579	128,946	77,656	
Oct-41	437,739	261,128	678,177	435,886	260,022	674,579	128,946	77,318	
Nov-41	438,356	261,496	679,076	435,886	260,022	674,579	128,946	76,981	
Dec-41	438,974	261,864	679,976	435,886	260,022	674,579	128,946	76,646	
Jan-42	439,591	262,233	680,875	443,296	264,443	685,373	134,491	84,018	
Feb-42	440,209	262,601	681,775	443,296	264,443	685,373	134,491	83,866	
Mar-42	440,826	262,969	682,674	443,296	264,443	685,373	134,491	83,713	
Apr-42	441,444	263,338	683,574	443,296	264,443	685,373	134,491	83,344	
May-42	442,061	263,706	684,473	443,296	264,443	685,373	134,491	82,977	
Jun-42	442,679	264,075	685,373	443,296	264,443	685,373	134,491	82,614	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables								
Month	Linear Interpolation Ada County of Non-Ag Employ. NAG1	Ada County Number of Households NHT	Linear Interpolation of Ada County Population NPT1	Annual Average Ada County Non-Ag Employ. NAGA	Annual Average Ada County Households NHTA	Annual Average Ada County Population NPTA	Ada County Nominal Per Capita Personal Income YPPC$	Ada County (2003 $) Per Capita Personal Income YPPC	
Jul-42	443,296	264,443	685,373	443,296	264,443	685,373	134,491	82,254	
Aug-42	443,924	264,818	686,286	443,296	264,443	685,373	134,491	81,896	
Sep-42	444,552	265,192	687,200	443,296	264,443	685,373	134,491	81,539	
Oct-42	445,180	265,567	688,114	443,296	264,443	685,373	134,491	81,184	
Nov-42	445,808	265,941	689,028	443,296	264,443	685,373	134,491	80,830	
Dec-42	446,436	266,316	689,942	443,296	264,443	685,373	134,491	80,478	
Jan-43	447,064	266,691	690,856	450,832	268,938	696,339	140,274	88,219	
Feb-43	447,692	267,065	691,769	450,832	268,938	696,339	140,274	88,059	
Mar-43	448,320	267,440	692,683	450,832	268,938	696,339	140,274	87,899	
Apr-43	448,948	267,815	693,597	450,832	268,938	696,339	140,274	87,511	
May-43	449,576	268,189	694,511	450,832	268,938	696,339	140,274	87,126	
Jun-43	450,204	268,564	695,425	450,832	268,938	696,339	140,274	86,745	Forecast
Jul-43	450,832	268,938	696,339	450,832	268,938	696,339	140,274	86,367	Data
Aug-43	451,471	269,319	696,339	450,832	268,938	696,339	140,274	85,991	
Sep-43	452,110	269,700	697,296	450,832	268,938	696,339	140,274	85,616	
Oct-43	452,748	270,081	698,253	450,832	268,938	696,339	140,274	85,243	
Nov-43	453,387	270,462	699,211	450,832	268,938	696,339	140,274	84,872	
Dec-43	454,026	270,843	700,168	450,832	268,938	696,339	140,274	84,502	
Jan-44	454,664	271,224	701,126	458,496	273,510	707,828	146,306	92,630	
Feb-44	455,303	271,605	702,083	458,496	273,510	707,828	146,306	92,462	
Mar-44	455,942	271,986	703,041	458,496	273,510	707,828	146,306	92,294	
Apr-44	456,580	272,367	703,998	458,496	273,510	707,828	146,306	91,886	
May-44	457,219	272,748	704,956	458,496	273,510	707,828	146,306	91,483	
Jun-44	457,858	273,129	705,913	458,496	273,510	707,828	146,306	91,082	
Jul-44	458,496	273,510	706,871	458,496	273,510	707,828	146,306	90,685	
Aug-44	459,146	273,898	707,828	458,496	273,510	707,828	146,306	90,290	
Sep-44	459,796	274,285	707,828	458,496	273,510	707,828	146,306	89,897	
Oct-44	460,445	274,673	708,801	458,496	273,510	707,828	146,306	89,505	
Nov-44	461,095	275,060	709,775	458,496	273,510	707,828	146,306	89,115	
Dec-44	461,744	275,448	710,748	458,496	273,510	707,828	146,306	88,727	
Jan-45	462,394	275,835	711,721	466,291	278,160	719,507	152,597	97,262	
Feb-45	463,043	276,223	712,694	466,291	278,160	719,507	152,597	97,085	
Mar-45	463,693	276,610	713,668	466,291	278,160	719,507	152,597	96,909	
Apr-45	464,342	276,998	714,641	466,291	278,160	719,507	152,597	96,481	
May-45	464,992	277,385	715,614	466,291	278,160	719,507	152,597	96,057	
Jun-45	465,641	277,773	716,587	466,291	278,160	719,507	152,597	95,636	
Jul-45	466,291	278,160	717,561	466,291	278,160	719,507	152,597	95,220	
Aug-45	466,951	278,554	718,534	466,291	278,160	719,507	152,597	94,805	
Sep-45	467,612	278,948	719,507	466,291	278,160	719,507	152,597	94,392	
Oct-45	468,273	279,342	719,507	466,291	278,160	719,507	152,597	93,981	
Nov-45	468,933	279,736	720,497	466,291	278,160	719,507	152,597	93,571	
Dec-45	469,594	280,130	721,486	466,291	278,160	719,507	152,597	93,164	
Jan-46	470,254	280,524	722,475	474,218	282,889	731,379	159,158	102,125	
Feb-46	470,915	280,918	723,465	474,218	282,889	731,379	159,158	101,939	
Mar-46	471,576	281,313	724,454	474,218	282,889	731,379	159,158	101,754	
Apr-46	472,236	281,707	725,443	474,218	282,889	731,379	159,158	101,305	
May-46	472,897	282,101	726,433	474,218	282,889	731,379	159,158	100,860	
Jun-46	473,557	282,495	727,422	474,218	282,889	731,379	159,158	100,418	
Jul-46	474,218	282,889	728,411	474,218	282,889	731,379	159,158	99,981	
Aug-46	474,890	283,290	729,401	474,218	282,889	731,379	159,158	99,545	
Sep-46	475,561	283,690	730,390	474,218	282,889	731,379	159,158	99,111	
Oct-46	476,233	284,091	731,379	474,218	282,889	731,379	159,158	98,680	
Nov-46	476,905	284,492	731,379	474,218	282,889	731,379	159,158	98,250	
Dec-46	477,577	284,893	732,385	474,218	282,889	731,379	159,158	97,822	
Jan-47	478,249	285,293	733,390	482,280	287,698	743,447	166,002	107,231	
Feb-47	478,920	285,694	734,396	482,280	287,698	743,447	166,002	107,036	
Mar-47	479,592	286,095	735,402	482,280	287,698	743,447	166,002	106,842	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables								
Month	Linear Interpolation Ada County of Non-Ag Employ. NAG1	Ada County Number of Households NHT	Linear Interpolation of Ada County Population NPT1	Annual Average Ada County Non-Ag Employ. NAGA	Annual Average Ada County Households NHTA	Annual Average Ada County Population NPTA	Ada County Nominal Per Capita Personal Income YPPC$	Ada County (2003 $) Per Capita Personal Income YPPC	
Apr-47	480,264	286,496	736,407	482,280	287,698	743,447	166,002	106,370	
May-47	480,936	286,896	737,413	482,280	287,698	743,447	166,002	105,903	
Jun-47	481,608	287,297	738,419	482,280	287,698	743,447	166,002	105,439	
Jul-47	482,280	287,698	739,424	482,280	287,698	743,447	166,002	104,980	
Aug-47	482,963	288,105	740,430	482,280	287,698	743,447	166,002	104,522	
Sep-47	483,646	288,513	741,436	482,280	287,698	743,447	166,002	104,067	
Oct-47	484,329	288,921	742,441	482,280	287,698	743,447	166,002	103,614	
Nov-47	485,012	289,328	743,447	482,280	287,698	743,447	166,002	103,162	
Dec-47	485,696	289,736	744,469	482,280	287,698	743,447	166,002	102,713	
Jan-48	486,379	290,143	745,491	490,478	292,589	755,714	173,140	112,593	
Feb-48	487,062	290,551	746,514	490,478	292,589	755,714	173,140	112,388	
Mar-48	487,745	290,958	747,536	490,478	292,589	755,714	173,140	112,184	Forecast
Apr-48	488,429	291,366	748,558	490,478	292,589	755,714	173,140	111,689	Data
May-48	489,112	291,774	749,580	490,478	292,589	755,714	173,140	111,198	
Jun-48	489,795	292,181	750,603	490,478	292,589	755,714	173,140	110,711	
Jul-48	490,478	292,589	751,625	490,478	292,589	755,714	173,140	110,229	
Aug-48	491,132	293,003	752,647	490,478	292,589	755,714	173,140	109,749	
Sep-48	491,786	293,418	753,669	490,478	292,589	755,714	173,140	109,270	
Oct-48	492,440	293,832	754,692	490,478	292,589	755,714	173,140	108,794	
Nov-48	493,094	294,247	755,714	490,478	292,589	755,714	173,140	108,320	
Dec-48	493,748	294,661	755,714	490,478	292,589	755,714	173,140	107,848	
Jan-49	494,402	295,076	756,753	498,326	297,563	768,183	180,585	118,222	
Feb-49	495,056	295,490	757,792	498,326	297,563	768,183	180,585	118,007	
Mar-49	495,710	295,905	758,831	498,326	297,563	768,183	180,585	117,793	
Apr-49	496,364	296,319	759,870	498,326	297,563	768,183	180,585	117,273	
May-49	497,018	296,734	760,909	498,326	297,563	768,183	180,585	116,758	
Jun-49	497,672	297,148	761,948	498,326	297,563	768,183	180,585	116,247	
Jul-49	498,326	297,563	762,988	498,326	297,563	768,183	180,585	115,740	
Aug-49	498,990	297,984	764,027	498,326	297,563	768,183	180,585	115,236	
Sep-49	499,655	298,406	765,066	498,326	297,563	768,183	180,585	114,734	
Oct-49	500,319	298,827	766,105	498,326	297,563	768,183	180,585	114,234	
Nov-49	500,984	299,249	767,144	498,326	297,563	768,183	180,585	113,736	
Dec-49	501,648	299,670	768,183	498,326	297,563	768,183	180,585	113,241	
Jan-50	502,313	300,092	780,858	506,299	302,621	780,858	188,351	124,133	
Feb-50	502,977	300,514	781,932	506,299	302,621	780,858	188,351	123,908	
Mar-50	503,641	300,935	783,005	506,299	302,621	780,858	188,351	123,683	
Apr-50	504,306	301,357	784,079	506,299	302,621	780,858	188,351	123,137	
May-50	504,970	301,778	785,153	506,299	302,621	780,858	188,351	122,595	
Jun-50	505,635	302,200	786,226	506,299	302,621	780,858	188,351	122,059	
Jul-50	506,299	302,621	787,300	506,299	302,621	780,858	188,351	121,527	
Aug-50	506,974	303,050	788,374	506,299	302,621	780,858	188,351	120,998	
Sep-50	507,649	303,479	789,448	506,299	302,621	780,858	188,351	120,471	
Oct-50	508,324	303,907	790,521	506,299	302,621	780,858	188,351	119,946	
Nov-50	508,999	304,336	791,595	506,299	302,621	780,858	188,351	119,423	
Dec-50	509,674	304,765	792,669	506,299	302,621	780,858	188,351	118,903	
Jan-51	510,350	305,194	793,742	514,400	307,766	793,742	196,450	130,340	
Feb-51	511,025	305,622	793,742	514,400	307,766	793,742	196,450	130,103	
Mar-51	511,700	306,051	794,834	514,400	307,766	793,742	196,450	129,867	
Apr-51	512,375	306,480	795,925	514,400	307,766	793,742	196,450	129,293	
May-51	513,050	306,908	797,016	514,400	307,766	793,742	196,450	128,725	
Jun-51	513,725	307,337	798,108	514,400	307,766	793,742	196,450	128,162	
Jul-51	514,400	307,766	799,199	514,400	307,766	793,742	196,450	127,604	
Aug-51	515,086	308,202	800,291	514,400	307,766	793,742	196,450	127,048	
Sep-51	515,772	308,638	801,382	514,400	307,766	793,742	196,450	126,494	
Oct-51	516,458	309,074	802,473	514,400	307,766	793,742	196,450	125,943	
Nov-51	517,143	309,510	803,565	514,400	307,766	793,742	196,450	125,394	
Dec-51	517,829	309,946	804,656	514,400	307,766	793,742	196,450	124,848	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables								
Month	Linear Interpolation Ada County of Non-Ag Employ. NAG1	Ada County Number of Households NHT	Linear Interpolation of Ada County Population NPT1	Annual Average Ada County Non-Ag Employ. NAGA	Annual Average Ada County Households NHTA	Annual Average Ada County Population NPTA	Ada County Nominal Per Capita Personal Income YPPC$	Ada County (2003 $) Per Capita Personal Income YPPC	
Jan-52	518,515	310,382	805,748	522,630	312,998	806,839	204,897	136,857	
Feb-52	519,201	310,818	806,839	522,630	312,998	806,839	204,897	136,608	
Mar-52	519,887	311,254	806,839	522,630	312,998	806,839	204,897	136,360	
Apr-52	520,573	311,690	807,948	522,630	312,998	806,839	204,897	135,758	
May-52	521,259	312,126	809,058	522,630	312,998	806,839	204,897	135,161	
Jun-52	521,944	312,562	810,167	522,630	312,998	806,839	204,897	134,570	
Jul-52	522,630	312,998	811,277	522,630	312,998	806,839	204,897	133,984	
Aug-52	523,327	313,441	812,386	522,630	312,998	806,839	204,897	133,400	
Sep-52	524,024	313,885	813,495	522,630	312,998	806,839	204,897	132,819	
Oct-52	524,721	314,328	814,605	522,630	312,998	806,839	204,897	132,240	
Nov-52	525,418	314,772	815,714	522,630	312,998	806,839	204,897	131,664	
Dec-52	526,115	315,215	816,824	522,630	312,998	806,839	204,897	131,090	Forecast
Jan-53	526,811	315,658	817,933	530,992	318,319	820,152	213,708	143,700	Data
Feb-53	527,508	316,102	819,042	530,992	318,319	820,152	213,708	143,439	
Mar-53	528,205	316,545	820,152	530,992	318,319	820,152	213,708	143,178	
Apr-53	528,902	316,989	820,152	530,992	318,319	820,152	213,708	142,546	
May-53	529,599	317,432	821,280	530,992	318,319	820,152	213,708	141,920	
Jun-53	530,296	317,875	822,407	530,992	318,319	820,152	213,708	141,299	
Jul-53	530,992	318,319	823,535	530,992	318,319	820,152	213,708	140,683	
Aug-53	531,700	318,770	824,663	530,992	318,319	820,152	213,708	140,070	
Sep-53	532,408	319,221	825,790	530,992	318,319	820,152	213,708	139,460	
Oct-53	533,116	319,672	826,918	530,992	318,319	820,152	213,708	138,852	
Nov-53	533,824	320,123	828,046	530,992	318,319	820,152	213,708	138,247	
Dec-53	534,532	320,574	829,173	530,992	318,319	820,152	213,708	137,645	
Jan-54	535,240	321,025	830,301	539,488	323,730	833,684	222,897	150,885	
Feb-54	535,948	321,476	831,429	539,488	323,730	833,684	222,897	150,611	
Mar-54	536,656	321,926	832,557	539,488	323,730	833,684	222,897	150,337	
Apr-54	537,364	322,377	833,684	539,488	323,730	833,684	222,897	149,673	
May-54	538,072	322,828	833,684	539,488	323,730	833,684	222,897	149,016	
Jun-54	538,780	323,279	834,831	539,488	323,730	833,684	222,897	148,363	
Jul-54	539,488	323,730	835,977	539,488	323,730	833,684	222,897	147,717	
Aug-54	540,208	324,202	837,123	539,488	323,730	833,684	222,897	147,074	
Sep-54	540,927	324,674	838,270	539,488	323,730	833,684	222,897	146,433	
Oct-54	541,646	325,147	839,416	539,488	323,730	833,684	222,897	145,795	
Nov-54	542,366	325,619	840,562	539,488	323,730	833,684	222,897	145,160	
Dec-54	543,085	326,091	841,709	539,488	323,730	833,684	222,897	144,527	
Jan-55	543,804	326,563	842,855	548,120	329,396	847,440	232,482	158,429	
Feb-55	544,524	327,035	844,001	548,120	329,396	847,440	232,482	158,141	
Mar-55	545,243	327,507	845,147	548,120	329,396	847,440	232,482	157,854	
Apr-55	545,962	327,979	846,294	548,120	329,396	847,440	232,482	157,157	
May-55	546,681	328,451	847,440	548,120	329,396	847,440	232,482	156,466	
Jun-55	547,401	328,923	847,440	548,120	329,396	847,440	232,482	155,782	
Jul-55	548,120	329,396	848,605	548,120	329,396	847,440	232,482	155,103	
Aug-55	548,851	329,876	849,771	548,120	329,396	847,440	232,482	154,427	
Sep-55	549,582	330,356	850,936	548,120	329,396	847,440	232,482	153,754	
Oct-55	550,313	330,837	852,101	548,120	329,396	847,440	232,482	153,085	
Nov-55	551,043	331,317	853,266	548,120	329,396	847,440	232,482	152,418	
Dec-55	551,774	331,797	854,431	548,120	329,396	847,440	232,482	151,754	
Jan-56	552,505	332,278	855,597	556,890	335,160	861,423	242,478	166,351	
Feb-56	553,236	332,758	856,762	556,890	335,160	861,423	242,478	166,048	
Mar-56	553,967	333,238	857,927	556,890	335,160	861,423	242,478	165,747	
Apr-56	554,698	333,719	859,092	556,890	335,160	861,423	242,478	165,015	
May-56	555,428	334,199	860,258	556,890	335,160	861,423	242,478	164,290	
Jun-56	556,159	334,680	861,423	556,890	335,160	861,423	242,478	163,571	
Jul-56	556,890	335,160	861,423	556,890	335,160	861,423	242,478	162,858	
Aug-56	557,633	335,649	862,607	556,890	335,160	861,423	242,478	162,149	
Sep-56	558,375	336,138	863,792	556,890	335,160	861,423	242,478	161,442	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables								
Month	Linear Interpolation Ada County of Non-Ag Employ. NAG1	Ada County Number of Households NHT	Linear Interpolation of Ada County Population NPT1	Annual Average Ada County Non-Ag Employ. NAGA	Annual Average Ada County Households NHTA	Annual Average Ada County Population NPTA	Ada County Nominal Per Capita Personal Income YPPC$	Ada County (2003 $) Per Capita Personal Income YPPC	
Oct-56	559,118	336,626	864,976	556,890	335,160	861,423	242,478	160,739	
Nov-56	559,860	337,115	866,161	556,890	335,160	861,423	242,478	160,039	
Dec-56	560,603	337,604	867,345	556,890	335,160	861,423	242,478	159,341	
Jan-57	561,345	338,093	868,530	565,800	341,025	875,636	252,905	174,668	
Feb-57	562,088	338,581	869,714	565,800	341,025	875,636	252,905	174,351	
Mar-57	562,830	339,070	870,899	565,800	341,025	875,636	252,905	174,034	
Apr-57	563,573	339,559	872,083	565,800	341,025	875,636	252,905	173,266	
May-57	564,315	340,048	873,267	565,800	341,025	875,636	252,905	172,504	
Jun-57	565,058	340,536	874,452	565,800	341,025	875,636	252,905	171,749	
Jul-57	565,800	341,025	875,636	565,800	341,025	875,636	252,905	171,001	
Aug-57	566,555	341,523	875,636	565,800	341,025	875,636	252,905	170,256	
Sep-57	567,309	342,020	876,840	565,800	341,025	875,636	252,905	169,514	Forecast
Oct-57	568,063	342,517	878,044	565,800	341,025	875,636	252,905	168,776	Data
Nov-57	568,818	343,015	879,248	565,800	341,025	875,636	252,905	168,040	
Dec-57	569,572	343,512	880,452	565,800	341,025	875,636	252,905	167,308	
Jan-58	570,327	344,009	881,656	574,853	346,993	890,084	263,780	183,402	
Feb-58	571,081	344,507	882,860	574,853	346,993	890,084	263,780	183,068	
Mar-58	571,835	345,004	884,064	574,853	346,993	890,084	263,780	182,736	
Apr-58	572,590	345,501	885,268	574,853	346,993	890,084	263,780	181,929	
May-58	573,344	345,999	886,472	574,853	346,993	890,084	263,780	181,129	
Jun-58	574,099	346,496	887,676	574,853	346,993	890,084	263,780	180,337	
Jul-58	574,853	346,993	888,880	574,853	346,993	890,084	263,780	179,551	
Aug-58	575,620	347,499	890,084	574,853	346,993	890,084	263,780	178,769	
Sep-58	576,386	348,005	891,308	574,853	346,993	890,084	263,780	177,990	
Oct-58	577,153	348,511	892,532	574,853	346,993	890,084	263,780	177,215	
Nov-58	577,919	349,017	893,756	574,853	346,993	890,084	263,780	176,442	
Dec-58	578,685	349,523	894,980	574,853	346,993	890,084	263,780	175,674	
Jan-59	579,452	350,029	896,204	584,051	353,066	904,771	275,122	192,572	
Feb-59	580,218	350,535	897,428	584,051	353,066	904,771	275,122	192,221	
Mar-59	580,985	351,041	898,651	584,051	353,066	904,771	275,122	191,872	
Apr-59	581,751	351,547	899,875	584,051	353,066	904,771	275,122	191,025	
May-59	582,518	352,054	901,099	584,051	353,066	904,771	275,122	190,186	
Jun-59	583,284	352,560	902,323	584,051	353,066	904,771	275,122	189,354	
Jul-59	584,051	353,066	903,547	584,051	353,066	904,771	275,122	188,529	
Aug-59	584,829	353,580	904,771	584,051	353,066	904,771	275,122	187,707	
Sep-59	585,608	354,095	904,771	584,051	353,066	904,771	275,122	186,889	
Oct-59	586,387	354,610	906,120	584,051	353,066	904,771	275,122	186,075	
Nov-59	587,166	355,125	907,470	584,051	353,066	904,771	275,122	185,265	
Dec-59	587,944	355,640	908,819	584,051	353,066	904,771	275,122	184,457	
Jan-60	588,723	356,155	910,169	593,396	359,244	919,699	286,953	202,200	
Feb-60	589,502	356,670	911,518	593,396	359,244	919,699	286,953	201,832	
Mar-60	590,281	357,185	912,867	593,396	359,244	919,699	286,953	201,466	
Apr-60	591,059	357,700	914,217	593,396	359,244	919,699	286,953	200,577	
May-60	591,838	358,214	915,566	593,396	359,244	919,699	286,953	199,695	
Jun-60	592,617	358,729	916,916	593,396	359,244	919,699	286,953	198,821	
Jul-60	593,396	359,244	918,265	593,396	359,244	919,699	286,953	197,955	
Aug-60	594,187	359,768	919,699	593,396	359,244	919,699	286,953	197,093	
Sep-60	594,978	360,292	920,964	593,396	359,244	919,699	286,953	196,234	
Oct-60	595,769	360,816	922,229	593,396	359,244	919,699	286,953	195,379	
Nov-60	596,560	361,340	923,493	593,396	359,244	919,699	286,953	194,528	
Dec-60	597,352	361,864	924,758	593,396	359,244	919,699	286,953	193,680	
Jan-61	598,143	362,388	926,022	602,890	365,531	934,875	299,291	212,310	
Feb-61	598,934	362,912	927,287	602,890	365,531	934,875	299,291	211,924	
Mar-61	599,725	363,435	928,552	602,890	365,531	934,875	299,291	211,539	
Apr-61	600,516	363,959	929,816	602,890	365,531	934,875	299,291	210,605	
May-61	601,307	364,483	931,081	602,890	365,531	934,875	299,291	209,680	
Jun-61	602,099	365,007	932,345	602,890	365,531	934,875	299,291	208,762	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables								
Month	Linear Interpolation Ada County of Non-Ag Employ. NAG1	Ada County Number of Households NHT	Linear Interpolation of Ada County Population NPT1	Annual Average Ada County Non-Ag Employ. NAGA	Annual Average Ada County Households NHTA	Annual Average Ada County Population NPTA	Ada County Nominal Per Capita Personal Income YPPC$	Ada County (2003 $) Per Capita Personal Income YPPC	
Jul-61	602,890	365,531	933,610	602,890	365,531	934,875	299,291	207,853	
Aug-61	603,694	366,064	934,875	602,890	365,531	934,875	299,291	206,947	
Sep-61	604,498	366,597	934,875	602,890	365,531	934,875	299,291	206,046	
Oct-61	605,301	367,130	936,269	602,890	365,531	934,875	299,291	205,148	
Nov-61	606,105	367,663	937,663	602,890	365,531	934,875	299,291	204,254	
Dec-61	606,909	368,196	939,058	602,890	365,531	934,875	299,291	203,364	
Jan-62	607,713	368,729	940,452	612,536	371,928	950,300	312,161	222,926	
Feb-62	608,517	369,262	941,846	612,536	371,928	950,300	312,161	222,520	
Mar-62	609,321	369,796	943,241	612,536	371,928	950,300	312,161	222,116	
Apr-62	610,125	370,329	944,635	612,536	371,928	950,300	312,161	221,136	
May-62	610,928	370,862	946,029	612,536	371,928	950,300	312,161	220,164	
Jun-62	611,732	371,395	947,424	612,536	371,928	950,300	312,161	219,200	Forecast
Jul-62	612,536	371,928	948,818	612,536	371,928	950,300	312,161	218,245	Data
Aug-62	613,353	372,470	950,300	612,536	371,928	950,300	312,161	217,295	
Sep-62	614,170	373,013	951,607	612,536	371,928	950,300	312,161	216,348	
Oct-62	614,986	373,555	952,913	612,536	371,928	950,300	312,161	215,405	
Nov-62	615,803	374,097	954,220	612,536	371,928	950,300	312,161	214,467	
Dec-62	616,620	374,640	955,527	612,536	371,928	950,300	312,161	213,533	
Jan-63	617,436	375,182	956,833	622,337	378,437	965,980	325,584	234,072	
Feb-63	618,253	375,725	958,140	622,337	378,437	965,980	325,584	233,646	
Mar-63	619,070	376,267	959,447	622,337	378,437	965,980	325,584	233,222	
Apr-63	619,887	376,809	960,753	622,337	378,437	965,980	325,584	232,193	
May-63	620,703	377,352	962,060	622,337	378,437	965,980	325,584	231,172	
Jun-63	621,520	377,894	963,367	622,337	378,437	965,980	325,584	230,160	
Jul-63	622,337	378,437	964,673	622,337	378,437	965,980	325,584	229,158	
Aug-63	623,166	378,988	965,980	622,337	378,437	965,980	325,584	228,159	
Sep-63	623,996	379,540	965,980	622,337	378,437	965,980	325,584	227,165	
Oct-63	624,826	380,092	967,421	622,337	378,437	965,980	325,584	226,176	
Nov-63	625,656	380,644	968,861	622,337	378,437	965,980	325,584	225,190	
Dec-63	626,486	381,196	970,302	622,337	378,437	965,980	325,584	224,209	
Jan-64	627,315	381,748	971,743	632,294	385,059	981,919	339,584	245,776	
Feb-64	628,145	382,300	973,184	632,294	385,059	981,919	339,584	245,329	
Mar-64	628,975	382,852	974,624	632,294	385,059	981,919	339,584	244,883	
Apr-64	629,805	383,404	976,065	632,294	385,059	981,919	339,584	243,802	
May-64	630,635	383,955	977,506	632,294	385,059	981,919	339,584	242,731	
Jun-64	631,464	384,507	978,946	632,294	385,059	981,919	339,584	241,668	
Jul-64	632,294	385,059	980,387	632,294	385,059	981,919	339,584	240,616	
Aug-64	633,137	385,621	981,919	632,294	385,059	981,919	339,584	239,567	
Sep-64	633,980	386,182	983,269	632,294	385,059	981,919	339,584	238,524	
Oct-64	634,823	386,744	984,619	632,294	385,059	981,919	339,584	237,484	
Nov-64	635,666	387,305	985,969	632,294	385,059	981,919	339,584	236,450	
Dec-64	636,509	387,867	987,319	632,294	385,059	981,919	339,584	235,420	
Jan-65	637,352	388,428	988,669	642,411	391,798	998,120	354,186	258,065	
Feb-65	638,195	388,990	990,019	642,411	391,798	998,120	354,186	257,595	
Mar-65	639,039	389,552	991,370	642,411	391,798	998,120	354,186	257,127	
Apr-65	639,882	390,113	992,720	642,411	391,798	998,120	354,186	255,992	
May-65	640,725	390,675	994,070	642,411	391,798	998,120	354,186	254,867	
Jun-65	641,568	391,236	995,420	642,411	391,798	998,120	354,186	253,752	
Jul-65	642,411	391,798	996,770	642,411	391,798	998,120	354,186	252,646	
Aug-65	643,254	392,369	998,120	642,411	391,798	998,120	354,186	251,546	
Sep-65	644,097	392,940	999,492	642,411	391,798	998,120	354,186	250,450	
Oct-65	644,940	393,512	1,000,864	642,411	391,798	998,120	354,186	249,359	
Nov-65	645,783	394,083	1,002,236	642,411	391,798	998,120	354,186	248,272	
Dec-65	646,626	394,655	1,003,608	642,411	391,798	998,120	354,186	247,191	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

Monthly Values of Exogenous Variables

Month	US Consumer Price Index CPIU	US Consumer Price Index 2003 Base CPIU03$	Boise Monthly Precip. (Inches) Precip	Boise Weighted Monthly Precip. (Inches) Wprecip	Boise Weighted Monthly Cooling Deg. Days WCDD	Boise Weighted Growing Degree Days WGDD	Boise Weighted Monthly Average Temp. WAVGT	UWI Bi-Monthly Meter Charge ($) MTR$	UWI Marginal Cost of Water ($/100 CCF) Price$	
Jan-95	150.3	81.7	2.10	3.73	0	0	32.6	12.00	0.8090	
Feb-95	150.9	82.0	0.51	3.25	0	5	36.3	12.00	0.8090	
Mar-95	151.4	82.3	1.51	2.32	0	19	40.9	12.00	0.8090	
Apr-95	151.9	82.6	1.03	2.28	0	49	44.4	12.00	0.8090	
May-95	152.2	82.7	2.36	2.97	6	176	49.4	12.00	1.0110	
Jun-95	152.5	82.9	0.88	3.32	54	467	56.7	12.00	1.0110	
Jul-95	152.5	82.9	0.59	2.36	225	904	64.7	12.00	1.0110	
Aug-95	152.9	83.1	0.06	1.06	426	1274	70.7	12.00	1.0110	
Sep-95	153.2	83.3	0.22	0.47	418	1266	70.6	12.00	1.0110	
Oct-95	153.7	83.5	0.42	0.46	227	841	63.2	12.00	0.8090	
Nov-95	153.6	83.5	2.20	1.63	57	309	52.3	12.00	0.8090	
Dec-95	153.5	83.4	2.19	3.51	0	44	43.0	12.00	0.8090	
Jan-96	154.4	83.9	1.36	3.97	0	9	36.0	12.00	0.8090	
Feb-96	154.9	84.2	1.08	3.00	0	2	33.5	12.00	0.8090	
Mar-96	155.7	84.6	1.97	2.75	0	6	37.0	12.00	0.8090	
Apr-96	156.3	84.9	1.47	3.25	0	50	43.6	12.00	0.8090	
May-96	156.6	85.1	1.67	3.29	2	178	50.1	12.00	1.0110	
Jun-96	156.7	85.2	0.21	2.51	60	483	57.1	12.00	1.0110	
Jul-96	157.0	85.3	0.12	1.11	299	1020	66.6	12.00	1.0110	
Aug-96	157.3	85.5	0.00	0.23	585	1476	73.9	12.00	1.0110	
Sep-96	157.8	85.8	0.46	0.29	537	1372	72.2	12.00	1.0110	
Oct-96	158.3	86.0	0.68	0.80	241	852	62.9	12.00	0.8090	
Nov-96	158.6	86.2	1.71	1.77	59	394	52.2	12.32	0.8310	
Dec-96	158.6	86.2	3.43	3.77	11	116	43.1	12.43	0.8383	
Jan-97	159.1	86.5	2.74	5.66	0	12	36.7	12.43	0.8383	
Feb-97	159.6	86.7	0.18	4.55	0	8	34.5	12.43	0.8383	
Mar-97	160.0	87.0	0.52	1.81	0	25	38.0	12.43	0.8383	
Apr-97	160.2	87.1	1.89	1.56	0	81	44.4	12.43	0.8383	
May-97	160.1	87.0	1.14	2.72	36	304	51.8	12.43	1.0476	
Jun-97	160.3	87.1	1.35	2.76	111	699	60.5	12.43	1.0476	
Jul-97	160.5	87.2	0.45	2.15	249	1055	67.2	12.43	1.0476	
Aug-97	160.8	87.4	0.27	1.26	475	1359	72.0	12.43	1.0476	
Sep-97	161.2	87.6	0.67	0.83	546	1429	73.2	12.43	1.0476	
Oct-97	161.6	87.8	0.55	1.08	326	1001	66.0	12.43	0.8383	
Nov-97	161.5	87.8	0.68	1.23	89	394	53.9	12.43	0.8383	Historic
Dec-97	161.3	87.7	0.65	1.28	7	69	42.6	12.43	0.8383	Data
Jan-98	161.6	87.8	2.73	2.36	0	5	36.3	12.43	0.8383	
Feb-98	161.9	88.0	1.39	3.75	0	2	37.6	12.43	0.8383	
Mar-98	162.2	88.2	0.99	3.25	0	18	41.2	12.43	0.8383	
Apr-98	162.5	88.3	0.81	2.09	2	82	44.9	12.43	0.8383	
May-98	162.8	88.5	4.40	3.51	9	223	50.3	12.43	1.0476	
Jun-98	163.0	88.6	1.21	5.41	32	468	56.7	12.43	1.0476	
Jul-98	163.2	88.7	0.49	3.66	271	971	65.8	13.24	1.1160	
Aug-98	163.4	88.8	0.00	1.10	656	1536	74.9	13.51	1.1388	
Sep-98	163.6	88.9	1.96	1.23	696	1593	75.9	13.51	1.1388	
Oct-98	164.0	89.1	0.11	2.02	388	1076	67.2	13.51	0.9113	
Nov-98	164.0	89.1	0.97	1.58	104	419	54.4	13.51	0.9113	
Dec-98	163.9	89.1	1.65	1.85	2	66	42.6	13.51	0.9113	
Jan-99	164.3	89.3	1.40	2.84	0	4	35.3	13.51	0.9113	
Feb-99	164.5	89.4	1.96	3.21	0	0	34.8	13.51	0.9113	
Mar-99	165.0	89.7	0.75	3.04	0	13	38.5	13.51	0.9113	
Apr-99	166.2	90.3	0.61	2.04	0	54	43.2	13.51	0.9113	
May-99	166.2	90.3	1.10	1.54	16	193	48.8	13.51	1.1388	
Jun-99	166.2	90.3	0.47	1.64	103	523	56.6	13.51	1.1388	
Jul-99	166.7	90.6	0.00	1.02	299	989	65.7	13.51	1.1388	
Aug-99	167.1	90.8	0.29	0.38	520	1381	72.4	13.51	1.1388	
Sep-99	167.9	91.3	0.00	0.29	515	1373	72.2	13.51	1.1388	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

Monthly Values of Exogenous Variables

Month	US Consumer Price Index CPIU	US Consumer Price Index 2003 Base CPIU03$	Boise Monthly Precip. (Inches) Precip	Boise Weighted Monthly Precip. (Inches) Wprecip	Boise Weighted Monthly Cooling Deg. Days WCDD	Boise Weighted Growing Degree Days WGDD	Boise Weighted Monthly Average Temp. WAVGT	UWI Bi-Monthly Meter Charge ($) MTR$	UWI Marginal Cost of Water ($/100 CCF) Price$	
Oct-99	168.2	91.4	0.11	0.20	248	916	64.6	13.51	0.9113	
Nov-99	168.3	91.5	1.00	0.61	41	421	55.2	13.51	0.9113	
Dec-99	168.3	91.5	0.90	1.51	1	145	45.3	13.51	0.9113	
Jan-00	168.8	91.8	1.51	2.16	0	29	36.5	13.51	0.9113	
Feb-00	169.8	92.3	2.06	2.99	0	1	35.7	13.51	0.9113	
Mar-00	171.2	93.1	1.69	3.66	0	78	40.4	13.51	0.9113	
Apr-00	171.3	93.1	1.01	3.23	38	395	45.9	13.51	0.9113	
May-00	171.5	93.2	0.83	2.27	179	911	53.2	13.51	1.1388	
Jun-00	172.4	93.7	0.14	1.41	528	1,434	60.8	13.51	1.1388	
Jul-00	172.8	93.9	0.03	0.57	1,090	2,005	68.5	13.51	1.1388	
Aug-00	172.8	93.9	0.10	0.15	1,534	2,436	74.4	13.51	1.1388	
Sep-00	173.7	94.4	0.60	0.42	1,416	2,296	73.0	14.57	1.2281	
Oct-00	174.0	94.6	2.59	1.95	755	1,608	63.8	14.57	0.9825	
Nov-00	174.1	94.6	0.68	3.23	171	778	50.3	14.57	0.9825	
Dec-00	174.0	94.6	0.80	2.38	0	191	37.5	14.57	0.9825	
Jan-01	175.1	95.2	1.07	1.68	0	0	30.8	14.57	0.9825	
Feb-01	175.8	95.6	0.49	1.72	0	0	30.0	14.57	0.9825	
Mar-01	176.2	95.8	1.07	1.56	0	98	35.4	14.57	0.9825	
Apr-01	176.9	96.2	1.20	1.92	0	334	43.7	14.57	0.9825	
May-01	177.7	96.6	0.27	1.87	166	773	51.1	14.57	1.2281	
Jun-01	178.0	96.8	0.32	1.03	590	1,419	59.8	14.57	1.2281	
Jul-01	177.5	96.5	0.15	0.53	1,057	1,972	67.8	14.57	1.2281	
Aug-01	177.5	96.5	0.00	0.31	1,467	2,367	73.9	14.57	1.2281	
Sep-01	178.3	96.9	0.44	0.30	1,561	2,439	75.3	14.57	1.2281	
Oct-01	177.7	96.6	0.86	0.87	1,008	1,900	67.5	14.57	0.9825	
Nov-01	177.4	96.4	1.52	1.84	294	1,029	55.1	14.57	0.9825	
Dec-01	176.7	96.1	1.15	2.53	13	336	43.2	14.57	0.9825	
Jan-02	177.1	96.3	0.94	2.38	0	45	34.4	14.57	0.9825	
Feb-02	177.8	96.7	0.19	1.61	0	0	32.1	14.57	0.9825	
Mar-02	178.8	97.2	1.06	1.19	0	17	35.2	14.57	0.9825	
Apr-02	179.8	97.7	0.83	1.57	0	216	41.7	14.57	0.9825	
May-02	179.8	97.7	0.01	1.37	107	720	50.4	14.57	1.2281	Historic
Jun-02	179.9	97.8	0.19	0.52	481	1,353	59.8	14.57	1.2281	Data
Jul-02	180.1	97.9	0.09	0.24	1,101	2,016	69.7	14.57	1.2281	
Aug-02	180.7	98.2	0.05	0.21	1,496	2,401	75.2	14.57	1.2281	
Sep-02	181.0	98.4	0.39	0.29	1,290	2,178	71.9	14.57	1.2281	
Oct-02	181.3	98.6	0.31	0.57	730	1,570	62.9	14.57	0.9825	
Nov-02	181.3	98.6	0.87	0.94	210	784	51.4	14.57	0.9825	
Dec-02	180.9	98.3	2.03	2.04	0	175	42.2	14.57	0.9825	
Jan-03	181.7	98.8	1.56	3.25	0	0	38.7	14.57	0.9825	
Feb-03	183.1	99.5	0.87	3.01	0	0	38.1	14.57	0.9825	
Mar-03	184.2	100.1	1.48	2.39	0	91	40.0	14.57	0.9825	
Apr-03	183.8	99.9	1.39	2.61	0	319	45.0	14.57	0.9825	
May-03	183.5	99.7	1.35	2.81	91	688	51.2	14.57	1.2281	
Jun-03	183.7	99.9	0.18	2.14	479	1,306	59.4	14.57	1.2281	
Jul-03	183.9	100.0	0.27	0.99	1,186	2,101	69.9	14.57	1.2281	
Aug-03	184.6	100.3	0.33	0.53	1,712	2,614	77.2	14.57	1.2281	
Sep-03	185.2	100.7	0.04	0.49	1,562	2,442	75.7	14.57	1.2281	
Oct-03	185.0	100.6	0.00	0.21	971	1,865	67.4	14.57	0.9825	
Nov-03	184.5	100.3	1.02	0.53	413	1,103	55.3	14.57	0.9825	
Dec-03	184.3	100.2	1.62	1.83	89	322	42.9	14.57	0.9825	
Jan-04	185.2	100.7	1.85	3.06	0	0	35.3	14.57	0.9825	
Feb-04	186.2	101.2	1.46	3.39	0	0	32.4	14.57	0.9825	
Mar-04	187.4	101.9	0.51	2.64	0	157	36.8	14.57	0.9825	
Apr-04	188.0	102.2	0.36	1.42	33	565	46.5	14.57	0.9825	
May-04	189.1	102.8	2.37	1.80	147	972	53.9	14.57	1.2281	
Jun-04	189.7	103.1	0.26	2.68	467	1,374	60.33	14.57	1.2281	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

Monthly Values of Exogenous Variables

Month	US Consumer Price Index CPIU	US Consumer Price Index 2003 Base CPIU03$	Boise Monthly Precip. (Inches) Precip	Boise Weighted Monthly Precip. (Inches) Wprecip	Boise Weighted Monthly Cooling Deg. Days WCDD	Boise Weighted Growing Degree Days WGDD	Boise Weighted Monthly Average Temp. WAVGT	UWI Bi-Monthly Meter Charge ($) MTR$	UWI Marginal Cost of Water ($/100 CCF) Price$	
Jul-04	189.4	103.0	0.59	1.74	1,054	1,969	68.89	14.57	1.2281	
Aug-04	189.5	103.0	0.38	0.91	1,499	2,402	75.05	14.57	1.2281	
Sep-04	189.9	103.2	0.25	0.80	1,332	2,215	72.85	14.57	1.2281	
Oct-04	190.9	103.8	1.53	1.21	704	1,589	63.90	14.57	0.9825	
Nov-04	191.0	103.8	0.70	2.01	170	837	52.20	14.57	0.9825	
Dec-04	190.3	103.4	1.24	2.09	0	221	41.33	14.57	0.9825	
Jan-05	190.7	103.7	0.23	1.71	0	0	35.45	14.57	0.9825	
Feb-05	191.8	104.3	0.34	1.02	0	0	34.45	14.57	0.9825	
Mar-05	193.3	105.1	1.20	1.06	0	104	38.03	14.57	0.9825	
Apr-05	194.6	105.8	1.16	1.95	0	388	44.68	14.57	0.9825	
May-05	194.4	105.7	3.96	3.74	84	780	51.53	14.57	1.2281	
Jun-05	194.5	105.7	0.91	5.00	355	1,225	58.75	14.57	1.4123	
Jul-05	195.4	106.2	0.02	2.90	909	1,824	66.93	14.57	1.4123	
Aug-05	196.4	106.8	0.00	0.48	1,501	2,403	72.63	14.57	1.4123	
Sep-05	198.8	108.1	0.32	0.17	1,464	2,345	71.68	16.71	1.5141	
Oct-05	199.2	108.3	0.44	0.54	798	1,692	63.78	16.71	1.5141	
Nov-05	197.6	107.4	1.17	1.19	206	896	52.43	16.71	1.2112	
Dec-05	196.8	107.0	3.34	3.06	9	242	40.80	16.71	1.2112	
Jan-06	198.3	107.8	1.77	4.81	0	0	32.83	16.71	1.2112	
Feb-06	198.7	108.0	0.41	3.65	0	0	31.93	16.71	1.2112	
Mar-06	199.8	108.6	2.19	2.39	0	18	36.85	16.71	1.2112	
Apr-06	201.5	109.5	1.82	3.31	0	219	43.73	16.71	1.2112	
May-06	202.5	110.1	1.20	3.52	138	753	50.90	16.71	1.5141	
Jun-06	202.9	110.3	0.82	2.52	571	1,443	58.75	16.71	1.5141	
Jul-06	203.5	110.6	0.24	1.54	1,227	2,142	66.93	16.71	1.5141	
Aug-06	203.9	110.8	0.02	0.66	1,665	2,568	72.63	16.71	1.5141	
Sep-06	202.9	110.3	0.16	0.22	1,459	2,342	71.68	16.71	1.5141	
Oct-06	201.8	109.7	0.41	0.38	800	1,668	63.78	16.71	1.2112	
Nov-06	201.5	109.5	1.43	1.21	213	874	52.43	16.71	1.2112	Historic
Dec-06	201.8	109.7	1.63	2.45	0	254	40.80	16.71	1.2112	Data
Jan-07	202.4	110.0	0.47	2.58	0	24	32.83	16.71	1.2112	
Feb-07	203.5	110.6	2.28	2.43	0	0	31.93	16.71	1.2112	
Mar-07	205.4	111.6	0.51	2.77	0	152	36.85	16.71	1.2112	
Apr-07	206.7	112.4	1.06	2.18	6	510	43.73	16.71	1.2112	
May-07	207.9	113.0	0.23	1.43	450	976	50.90	16.71	1.5141	
Jun-07	208.4	113.3	0.94	1.23	929	1,559	58.75	16.71	1.5141	
Jul-07	207.3	112.7	0.02	1.07	1,595	2,221	66.93	16.71	1.5141	
Aug-07	207.9	113.0	0.04	0.51	2,359	2,651	72.63	16.71	1.5141	
Sep-07	208.5	113.3	0.65	0.38	1,868	2,414	71.68	16.71	1.5141	
Oct-07	208.9	113.6	1.03	1.19	1,064	1,671	63.78	16.71	1.2112	
Nov-07	210.2	114.3	1.06	1.89	162	835	52.43	16.71	1.2112	
Dec-07	210.0	114.2	1.27	2.21	2	217	40.80	16.71	1.2112	
Jan-08	211.1	114.7	0.93	2.27	0	9	32.83	16.71	1.2112	
Feb-08	211.7	115.1	0.57	1.85	0	0	31.93	16.71	1.2112	
Mar-08	213.5	116.1	1.21	1.64	0	9	36.85	16.71	1.2112	
Apr-08	214.8	116.8	3.00	3.00	0	145	43.73	16.71	1.2112	
May-08	216.6	117.8	0.81	4.01	135	624	50.90	16.71	1.5141	
Jun-08	218.8	118.9	0.11	2.37	348	1,314	58.75	17.55	1.5898	
Jul-08	215.3	117.0	0.28	0.66	899	1,963	66.93	17.55	1.5898	
Aug-08	219.1	119.1	0.00	0.34	1,757	2,413	72.63	17.55	1.5898	
Sep-08	218.8	118.9	0.94	0.61	1,624	2,339	71.68	17.55	1.5898	
Oct-08	216.6	117.7	0.75	1.32	934	1,747	63.78	17.55	1.2718	
Nov-08	212.4	115.5	1.39	1.92	123	940	52.43	17.55	1.2718	
Dec-08	210.2	114.3	1.75	2.64	22	276	40.80	17.55	1.2718	
Jan-09	211.1	114.8	0.87	2.88	0	21	32.83	17.55	1.2718	
Feb-09	212.2	115.3	0.20	1.85	0	0	31.93	17.55	1.2718	
Mar-09	212.7	115.6	1.26	1.27	0	18	36.85	17.55	1.2718	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

Monthly Values of Exogenous Variables

Month	US Consumer Price Index CPIU	US Consumer Price Index 2003 Base CPIU03$	Boise Monthly Precip. (Inches) Precip	Boise Weighted Monthly Precip. (Inches) Wprecip	Boise Weighted Monthly Cooling Deg. Days WCDD	Boise Weighted Growing Degree Days WGDD	Boise Weighted Monthly Average Temp. WAVGT	UWI Bi-Monthly Meter Charge ($) MTR$	UWI Marginal Cost of Water ($/100 CCF) Price$	
Apr-09	213.2	115.9	0.72	1.72	11	224	43.73	17.55	1.2718	
May-09	213.9	116.3	0.98	1.84	303	777	50.90	17.55	1.5898	
Jun-09	215.7	117.2	1.54	2.11	546	1,375	58.75	17.55	1.5898	
Jul-09	214.6	116.7	0.08	2.07	1,040	1,049	66.93	17.55	1.5898	
Aug-09	215.8	117.3	1.79	1.75	1,831	1,403	72.63	17.55	1.5898	
Sep-09	216.0	117.4	0.01	1.84	1,845	1,301	71.68	17.55	1.5898	
Oct-09	216.0	117.4	1.39	1.60	1,532	854	63.78	17.55	1.2718	
Nov-09	216.1	117.5	0.71	1.75	342	146	52.43	17.55	1.2718	
Dec-09	216.2	117.5	1.76	2.29	0	0	40.80	17.55	1.2718	
Jan-10	216.4	117.6	1.38	2.81	0	0	32.83	17.55	1.2718	
Feb-10	216.5	117.7	0.83	2.68	0	0	31.93	17.55	1.2718	
Mar-10	216.6	117.8	1.72	2.38	0	0	36.85	17.55	1.2718	
Apr-10	216.8	117.8	1.58	2.93	2	0	43.73	17.55	1.2718	
May-10	216.9	117.9	2.30	3.59	36	56	50.90	17.55	1.5898	
Jun-10	217.0	118.0	0.81	3.50	216	525	58.75	17.55	1.5898	
Jul-10	218.1	118.6	0.11	2.02	763	1,049	66.93	17.55	1.5898	
Aug-10	218.4	118.7	0.27	0.65	1,520	1,403	72.63	17.55	1.5898	
Sep-10	218.7	118.9	0.01	0.33	1,516	1,301	71.68	17.55	1.5898	
Oct-10	219.0	119.1	1.18	0.74	1,192	854	63.78	17.55	1.2718	Historic
Nov-10	219.3	119.2	1.57	1.97	301	146	52.43	17.55	1.2718	Data
Dec-10	219.6	119.4	3.25	3.79	45	0	40.80	17.55	1.2718	
Jan-11	220.0	119.6	1.33	4.70	0	0	32.83	17.55	1.2718	
Feb-11	220.3	119.7	0.52	3.22	0	0	31.93	17.55	1.2718	
Mar-11	220.6	119.9	2.25	2.31	0	0	36.85	17.55	1.2718	
Apr-11	220.9	120.1	1.53	3.28	0	0	43.73	17.55	1.2718	
May-11	221.2	120.2	1.81	3.56	30	56	50.90	17.55	1.5898	
Jun-11	221.5	120.4	0.46	2.81	176	525	58.75	17.55	1.7011	
Jul-11	221.8	120.6	0.02	1.38	694	1,049	66.93	17.55	1.7011	
Aug-11	222.1	120.7	0.00	0.25	1,637	1,403	72.63	17.55	1.7011	
Sep-11	222.3	120.9	0.09	0.06	1,947	1,301	71.68	17.55	1.7011	
Oct-11	222.6	121.0	1.79	0.99	1,732	854	63.78	17.55	1.3608	
Nov-11	222.8	121.1	0.33	2.00	408	146	52.43	17.55	1.3608	
Dec-11	223.1	121.3	0.36	1.41	0	0	40.80	17.55	1.3608	
Jan-12	223.4	121.4	2.72	1.89	0	0	32.83	17.55	1.3608	
Feb-12	223.6	121.6	0.67	3.24	0	0	31.93	20.10	1.4388	
Mar-12	223.9	121.7	2.23	3.15	0	0	36.85	20.10	1.4388	
Apr-12	224.1	121.8	1.25	3.19	3	0	43.73	20.10	1.4388	
May-12	224.4	122.0	1.32	3.03	105	56	50.90	20.10	1.7985	
Jun-12	224.6	122.1	0.75	2.32	326	525	58.75	20.10	1.7985	Forecast
Jul-12	224.9	122.3	0.32	1.57	792	1,049	66.93	20.10	1.7985	Data
Aug-12	225.3	122.5	0.27	0.83	1,399	1,403	72.63	20.10	1.7985	
Sep-12	225.7	122.7	0.55	0.71	1,291	1,301	71.68	20.10	1.7985	
Oct-12	226.1	122.9	0.79	1.08	864	854	63.78	20.10	1.4388	
Nov-12	226.5	123.1	1.33	1.73	146	146	52.43	20.10	1.4388	
Dec-12	226.9	123.3	1.49	2.47	0	0	40.80	20.10	1.4388	
Jan-13	227.3	123.5	1.24	2.78	0	0	32.83	20.10	1.4388	
Feb-13	227.6	123.7	1.11	2.54	0	0	31.93	20.10	1.4388	
Mar-13	228.0	124.0	1.34	2.40	0	0	36.85	20.10	1.4388	
Apr-13	228.4	124.2	1.25	2.52	3	0	43.73	20.10	1.4388	
May-13	228.8	124.4	1.32	2.58	105	56	50.90	20.10	1.7985	
Jun-13	229.2	124.6	0.75	2.32	326	525	58.75	20.10	1.7985	
Jul-13	229.6	124.8	0.32	1.57	792	1,049	66.93	20.10	1.7985	
Aug-13	229.9	125.0	0.27	0.83	1,399	1,403	72.63	20.10	1.7985	
Sep-13	230.2	125.1	0.55	0.71	1,291	1,301	71.68	20.10	1.7985	
Oct-13	230.4	125.3	0.79	1.08	864	854	63.78	20.10	1.4388	
Nov-13	230.7	125.4	1.33	1.73	146	146	52.43	20.10	1.4388	
Dec-13	231.0	125.6	1.49	2.47	0	0	40.80	20.10	1.4388	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

Monthly Values of Exogenous Variables

Month	US Consumer Price Index CPIU	US Consumer Price Index 2003 Base CPIU03$	Boise Monthly Precip. (Inches) Precip	Boise Weighted Monthly Precip. (Inches) Wprecip	Boise Weighted Monthly Cooling Deg. Days WCDD	Boise Weighted Growing Degree Days WGDD	Boise Weighted Monthly Average Temp. WAVGT	UWI Bi-Monthly Meter Charge ($) MTR$	UWI Marginal Cost of Water ($/100 CCF) Price$	
Jan-14	231.3	125.7	1.24	2.78	0	0	32.83	20.10	1.4388	
Feb-14	231.5	125.9	1.11	2.54	0	0	31.93	20.10	1.4388	
Mar-14	231.8	126.0	1.34	2.40	0	0	36.85	20.10	1.4388	
Apr-14	232.1	126.2	1.25	2.52	3	0	43.73	20.10	1.4388	
May-14	232.4	126.3	1.32	2.58	105	56	50.90	20.10	1.7985	
Jun-14	232.6	126.5	0.75	2.32	326	525	58.75	20.91	1.8710	
Jul-14	232.9	126.6	0.32	1.57	792	1,049	66.93	20.91	1.8710	
Aug-14	233.2	126.8	0.27	0.83	1,399	1,403	72.63	20.91	1.8710	
Sep-14	233.6	127.0	0.55	0.71	1,291	1,301	71.68	20.91	1.8710	
Oct-14	233.9	127.1	0.79	1.08	864	854	63.78	20.91	1.4968	
Nov-14	234.2	127.3	1.33	1.73	146	146	52.43	20.91	1.4968	
Dec-14	234.6	127.5	1.49	2.47	0	0	40.80	20.91	1.4968	Forecast
Jan-15	234.9	127.7	1.24	2.78	0	0	32.83	20.91	1.4968	Data
Feb-15	235.2	127.9	1.11	2.54	0	0	31.93	20.91	1.4968	
Mar-15	235.6	128.1	1.34	2.40	0	0	36.85	20.91	1.4968	
Apr-15	235.9	128.2	1.25	2.52	3	0	43.73	20.91	1.4968	
May-15	236.2	128.4	1.32	2.58	105	56	50.90	20.91	1.8710	
Jun-15	236.6	128.6	0.75	2.32	326	525	58.75	20.91	1.8710	
Jul-15	236.9	128.8	0.32	1.57	792	1,049	66.93	20.91	1.8710	
Aug-15	237.2	129.0	0.27	0.83	1,399	1,403	72.63	20.91	1.8710	
Sep-15	237.5	129.1	0.55	0.71	1,291	1,301	71.68	20.91	1.8710	
Oct-15	237.9	129.3	0.79	1.08	864	854	63.78	20.91	1.4968	
Nov-15	238.2	129.5	1.33	1.73	146	146	52.43	20.91	1.4968	
Dec-15	238.5	129.6	1.49	2.47	0	0	40.80	20.91	1.4968	
Jan-16	238.8	129.8	1.24	2.78	0	0	32.83	20.91	1.4968	
Feb-16	239.1	130.0	1.11	2.54	0	0	31.93	20.91	1.4968	
Mar-16	239.4	130.2	1.34	2.40	0	0	36.85	20.91	1.4968	
Apr-16	239.8	130.3	1.25	2.52	3	0	43.73	20.91	1.4968	
May-16	240.1	130.5	1.32	2.58	105	56	50.90	20.91	1.8710	
Jun-16	240.4	130.7	0.75	2.32	326	525	58.75	20.91	1.8710	
Jul-16	240.7	130.8	0.32	1.57	792	1,049	66.93	20.91	1.8710	
Aug-16	241.0	131.0	0.27	0.83	1,399	1,403	72.63	20.91	1.8710	
Sep-16	241.4	131.2	0.55	0.71	1,291	1,301	71.68	20.91	1.8710	
Oct-16	241.7	131.4	0.79	1.08	864	854	63.78	20.91	1.4968	
Nov-16	242.0	131.6	1.33	1.73	146	146	52.43	20.91	1.4968	
Dec-16	242.4	131.7	1.49	2.47	0	0	40.80	20.91	1.4968	
Jan-17	242.7	131.9	1.24	2.78	0	0	32.83	20.91	1.4968	
Feb-17	243.0	132.1	1.11	2.54	0	0	31.93	20.91	1.4968	
Mar-17	243.4	132.3	1.34	2.40	0	0	36.85	20.91	1.4968	
Apr-17	243.7	132.5	1.25	2.52	3	0	43.73	20.91	1.4968	
May-17	244.0	132.7	1.32	2.58	105	56	50.90	20.91	1.8710	
Jun-17	244.4	132.8	0.75	2.32	326	525	58.75	20.91	1.8710	
Jul-17	244.7	133.0	0.32	1.57	792	1,049	66.93	20.91	1.8710	
Aug-17	245.1	133.2	0.27	0.83	1,399	1,403	72.63	20.91	1.8710	
Sep-17	245.5	133.4	0.55	0.71	1,291	1,301	71.68	20.91	1.8710	
Oct-17	245.9	133.7	0.79	1.08	864	854	63.78	20.91	1.4968	
Nov-17	246.3	133.9	1.33	1.73	146	146	52.43	20.91	1.4968	
Dec-17	246.7	134.1	1.49	2.47	0	0	40.80	20.91	1.4968	
Jan-18	247.1	134.3	1.24	2.78	0	0	32.83	20.91	1.4968	
Feb-18	247.4	134.5	1.11	2.54	0	0	31.93	20.91	1.4968	
Mar-18	247.8	134.7	1.34	2.40	0	0	36.85	20.91	1.4968	
Apr-18	248.2	134.9	1.25	2.52	3	0	43.73	20.91	1.4968	
May-18	248.6	135.1	1.32	2.58	105	56	50.90	20.91	1.8710	
Jun-18	249.0	135.4	0.75	2.32	326	525	58.75	22.38	2.0028	
Jul-18	249.4	135.6	0.32	1.57	792	1,049	66.93	22.38	2.0028	
Aug-18	249.8	135.8	0.27	0.83	1,399	1,403	72.63	22.38	2.0028	
Sep-18	250.2	136.0	0.55	0.71	1,291	1,301	71.68	22.38	2.0028	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

Monthly Values of Exogenous Variables

Month	US Consumer Price Index CPIU	US Consumer Price Index 2003 Base CPIU03$	Boise Monthly Precip. (Inches) Precip	Boise Weighted Monthly Precip. (Inches) Wprecip	Boise Weighted Monthly Cooling Deg. Days WCDD	Boise Weighted Growing Degree Days WGDD	Boise Weighted Monthly Average Temp. WAVGT	UWI Bi-Monthly Meter Charge ($) MTR$	UWI Marginal Cost of Water ($/100 CCF) Price$	
Oct-18	250.6	136.2	0.79	1.08	864	854	63.78	22.38	1.6022	
Nov-18	251.0	136.4	1.33	1.73	146	146	52.43	22.38	1.6022	
Dec-18	251.4	136.7	1.49	2.47	0	0	40.80	22.38	1.6022	
Jan-19	251.8	136.9	1.24	2.78	0	0	32.83	22.38	1.6022	
Feb-19	252.2	137.1	1.11	2.54	0	0	31.93	22.38	1.6022	
Mar-19	252.6	137.3	1.34	2.40	0	0	36.85	22.38	1.6022	
Apr-19	253.0	137.5	1.25	2.52	3	0	43.73	22.38	1.6022	
May-19	253.4	137.7	1.32	2.58	105	56	50.90	22.38	2.0028	
Jun-19	253.8	138.0	0.75	2.32	326	525	58.75	22.38	2.0028	
Jul-19	254.2	138.2	0.32	1.57	792	1,049	66.93	22.38	2.0028	
Aug-19	254.6	138.4	0.27	0.83	1,399	1,403	72.63	22.38	2.0028	
Sep-19	255.0	138.6	0.55	0.71	1,291	1,301	71.68	22.38	2.0028	Forecast
Oct-19	255.4	138.8	0.79	1.08	864	854	63.78	22.38	1.6022	Data
Nov-19	255.8	139.1	1.33	1.73	146	146	52.43	22.38	1.6022	
Dec-19	256.2	139.3	1.49	2.47	0	0	40.80	22.38	1.6022	
Jan-20	256.7	139.5	1.24	2.78	0	0	32.83	22.38	1.6022	
Feb-20	257.1	139.7	1.11	2.54	0	0	31.93	22.38	1.6022	
Mar-20	257.5	140.0	1.34	2.40	0	0	36.85	22.38	1.6022	
Apr-20	257.9	140.2	1.25	2.52	3	0	43.73	22.38	1.6022	
May-20	258.3	140.4	1.32	2.58	105	56	50.90	22.38	2.0028	
Jun-20	258.7	140.6	0.75	2.32	326	525	58.75	22.38	2.0028	
Jul-20	259.1	140.8	0.32	1.57	792	1,049	66.93	22.38	2.0028	
Aug-20	259.5	141.1	0.27	0.83	1,399	1,403	72.63	22.38	2.0028	
Sep-20	260.0	141.3	0.55	0.71	1,291	1,301	71.68	22.38	2.0028	
Oct-20	260.4	141.5	0.79	1.08	864	854	63.78	22.38	1.6022	
Nov-20	260.8	141.8	1.33	1.73	146	146	52.43	22.38	1.6022	
Dec-20	261.2	142.0	1.49	2.47	0	0	40.80	22.38	1.6022	
Jan-21	261.7	142.2	1.24	2.78	0	0	32.83	22.38	1.6022	
Feb-21	262.1	142.5	1.11	2.54	0	0	31.93	22.38	1.6022	
Mar-21	262.5	142.7	1.34	2.40	0	0	36.85	22.38	1.6022	
Apr-21	262.9	142.9	1.25	2.52	3	0	43.73	22.38	1.6022	
May-21	263.4	143.2	1.32	2.58	105	56	50.90	22.38	2.0028	
Jun-21	263.8	143.4	0.75	2.32	326	525	58.75	22.38	2.0028	
Jul-21	264.2	143.6	0.32	1.57	792	1,049	66.93	22.38	2.0028	
Aug-21	264.6	143.9	0.27	0.83	1,399	1,403	72.63	22.38	2.0028	
Sep-21	265.1	144.1	0.55	0.71	1,291	1,301	71.68	22.38	2.0028	
Oct-21	265.5	144.3	0.79	1.08	864	854	63.78	22.38	1.6022	
Nov-21	265.9	144.6	1.33	1.73	146	146	52.43	22.38	1.6022	
Dec-21	266.4	144.8	1.49	2.47	0	0	40.80	22.38	1.6022	
Jan-22	266.8	145.0	1.24	2.78	0	0	32.83	22.38	1.6022	
Feb-22	267.2	145.3	1.11	2.54	0	0	31.93	22.38	1.6022	
Mar-22	267.7	145.5	1.34	2.40	0	0	36.85	22.38	1.6022	
Apr-22	268.1	145.7	1.25	2.52	3	0	43.73	22.38	1.6022	
May-22	268.5	146.0	1.32	2.58	105	56	50.90	22.38	2.0028	
Jun-22	269.0	146.2	0.75	2.32	326	525	58.75	24.18	2.1633	
Jul-22	269.4	146.4	0.32	1.57	792	1,049	66.93	24.18	2.1633	
Aug-22	269.9	146.7	0.27	0.83	1,399	1,403	72.63	24.18	2.1633	
Sep-22	270.3	146.9	0.55	0.71	1,291	1,301	71.68	24.18	2.1633	
Oct-22	270.8	147.2	0.79	1.08	864	854	63.78	24.18	1.7306	
Nov-22	271.2	147.4	1.33	1.73	146	146	52.43	24.18	1.7306	
Dec-22	271.7	147.7	1.49	2.47	0	0	40.80	24.18	1.7306	
Jan-23	272.1	147.9	1.24	2.78	0	0	32.83	24.18	1.7306	
Feb-23	272.6	148.2	1.11	2.54	0	0	31.93	24.18	1.7306	
Mar-23	273.0	148.4	1.34	2.40	0	0	36.85	24.18	1.7306	
Apr-23	273.5	148.6	1.25	2.52	3	0	43.73	24.18	1.7306	
May-23	273.9	148.9	1.32	2.58	105	56	50.90	24.18	2.1633	
Jun-23	274.4	149.1	0.75	2.32	326	525	58.75	24.18	2.1633	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

Monthly Values of Exogenous Variables

Month	US Consumer Price Index CPIU	US Consumer Price Index 2003 Base CPIU03$	Boise Monthly Precip. (Inches) Precip	Boise Weighted Monthly Precip. (Inches) Wprecip	Boise Weighted Monthly Cooling Deg. Days WCDD	Boise Weighted Growing Degree Days WGDD	Boise Weighted Monthly Average Temp. WAVGT	UWI Bi-Monthly Meter Charge ($) MTR$	UWI Marginal Cost of Water ($/100 CCF) Price$	
Jul-23	274.8	149.4	0.32	1.57	792	1,049	66.93	24.18	2.1633	
Aug-23	275.3	149.6	0.27	0.83	1,399	1,403	72.63	24.18	2.1633	
Sep-23	275.7	149.9	0.55	0.71	1,291	1,301	71.68	24.18	2.1633	
Oct-23	276.2	150.1	0.79	1.08	864	854	63.78	24.18	1.7306	
Nov-23	276.7	150.4	1.33	1.73	146	146	52.43	24.18	1.7306	
Dec-23	277.1	150.6	1.49	2.47	0	0	40.80	24.18	1.7306	
Jan-24	277.6	150.9	1.24	2.78	0	0	32.83	24.18	1.7306	
Feb-24	278.1	151.2	1.11	2.54	0	0	31.93	24.18	1.7306	
Mar-24	278.5	151.4	1.34	2.40	0	0	36.85	24.18	1.7306	
Apr-24	279.0	151.7	1.25	2.52	3	0	43.73	24.18	1.7306	
May-24	279.5	151.9	1.32	2.58	105	56	50.90	24.18	2.1633	
Jun-24	279.9	152.2	0.75	2.32	326	525	58.75	24.18	2.1633	Forecast
Jul-24	280.4	152.4	0.32	1.57	792	1,049	66.93	24.18	2.1633	Data
Aug-24	280.9	152.7	0.27	0.83	1,399	1,403	72.63	24.18	2.1633	
Sep-24	281.3	152.9	0.55	0.71	1,291	1,301	71.68	24.18	2.1633	
Oct-24	281.8	153.2	0.79	1.08	864	854	63.78	24.18	1.7306	
Nov-24	282.2	153.4	1.33	1.73	146	146	52.43	24.18	1.7306	
Dec-24	282.7	153.7	1.49	2.47	0	0	40.80	24.18	1.7306	
Jan-25	283.2	153.9	1.24	2.78	0	0	32.83	24.18	1.7306	
Feb-25	283.6	154.2	1.11	2.54	0	0	31.93	24.18	1.7306	
Mar-25	284.1	154.4	1.34	2.40	0	0	36.85	24.18	1.7306	
Apr-25	284.5	154.7	1.25	2.52	3	0	43.73	24.18	1.7306	
May-25	285.0	154.9	1.32	2.58	105	56	50.90	24.18	2.1633	
Jun-25	285.4	155.2	0.75	2.32	326	525	58.75	24.18	2.1633	
Jul-25	285.9	155.4	0.32	1.57	792	1,049	66.93	24.18	2.1633	
Aug-25	286.4	155.7	0.27	0.83	1,399	1,403	72.63	24.18	2.1633	
Sep-25	286.8	155.9	0.55	0.71	1,291	1,301	71.68	24.18	2.1633	
Oct-25	287.3	156.2	0.79	1.08	864	854	63.78	24.18	1.7306	
Nov-25	287.8	156.4	1.33	1.73	146	146	52.43	24.18	1.7306	
Dec-25	288.2	156.7	1.49	2.47	0	0	40.80	24.18	1.7306	
Jan-26	288.7	156.9	1.24	2.78	0	0	32.83	24.18	1.7306	
Feb-26	289.2	157.2	1.11	2.54	0	0	31.93	24.18	1.7306	
Mar-26	289.6	157.4	1.34	2.40	0	0	36.85	24.18	1.7306	
Apr-26	290.1	157.7	1.25	2.52	3	0	43.73	24.18	1.7306	
May-26	290.6	158.0	1.32	2.58	105	56	50.90	24.18	2.1633	
Jun-26	291.0	158.2	0.75	2.32	326	525	58.75	26.16	2.3407	
Jul-26	291.5	158.5	0.32	1.57	792	1,049	66.93	26.16	2.3407	
Aug-26	292.0	158.7	0.27	0.83	1,399	1,403	72.63	26.16	2.3407	
Sep-26	292.5	159.0	0.55	0.71	1,291	1,301	71.68	26.16	2.3407	
Oct-26	292.9	159.2	0.79	1.08	864	854	63.78	26.16	1.8726	
Nov-26	293.4	159.5	1.33	1.73	146	146	52.43	26.16	1.8726	
Dec-26	293.9	159.7	1.49	2.47	0	0	40.80	26.16	1.8726	
Jan-27	294.4	160.0	1.24	2.78	0	0	32.83	26.16	1.8726	
Feb-27	294.8	160.3	1.11	2.54	0	0	31.93	26.16	1.8726	
Mar-27	295.3	160.5	1.34	2.40	0	0	36.85	26.16	1.8726	
Apr-27	295.8	160.8	1.25	2.52	3	0	43.73	26.16	1.8726	
May-27	296.3	161.0	1.32	2.58	105	56	50.90	26.16	2.3407	
Jun-27	296.7	161.3	0.75	2.32	326	525	58.75	26.16	2.3407	
Jul-27	297.2	161.6	0.32	1.57	792	1,049	66.93	26.16	2.3407	
Aug-27	297.7	161.8	0.27	0.83	1,399	1,403	72.63	26.16	2.3407	
Sep-27	298.2	162.1	0.55	0.71	1,291	1,301	71.68	26.16	2.3407	
Oct-27	298.7	162.3	0.79	1.08	864	854	63.78	26.16	1.8726	
Nov-27	299.1	162.6	1.33	1.73	146	146	52.43	26.16	1.8726	
Dec-27	299.6	162.9	1.49	2.47	0	0	40.80	26.16	1.8726	
Jan-28	300.1	163.1	1.24	2.78	0	0	32.83	26.16	1.8726	
Feb-28	300.6	163.4	1.11	2.54	0	0	31.93	26.16	1.8726	
Mar-28	301.1	163.7	1.34	2.40	0	0	36.85	26.16	1.8726	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

Monthly Values of Exogenous Variables

Month	US Consumer Price Index CPIU	US Consumer Price Index 2003 Base CPIU03$	Boise Monthly Precip. (Inches) Precip	Boise Weighted Monthly Precip. (Inches) Wprecip	Boise Weighted Monthly Cooling Deg. Days WCDD	Boise Weighted Growing Degree Days WGDD	Boise Weighted Monthly Average Temp. WAVGT	UWI Bi-Monthly Meter Charge ($) MTR$	UWI Marginal Cost of Water ($/100 CCF) Price$	
Apr-28	301.6	163.9	1.25	2.52	3	0	43.73	26.16	1.8726	
May-28	302.0	164.2	1.32	2.58	105	56	50.90	26.16	2.3407	
Jun-28	302.5	164.4	0.75	2.32	326	525	58.75	26.16	2.3407	
Jul-28	303.0	164.7	0.32	1.57	792	1,049	66.93	26.16	2.3407	
Aug-28	303.5	165.0	0.27	0.83	1,399	1,403	72.63	26.16	2.3407	
Sep-28	304.0	165.2	0.55	0.71	1,291	1,301	71.68	26.16	2.3407	
Oct-28	304.5	165.5	0.79	1.08	864	854	63.78	26.16	1.8726	
Nov-28	305.0	165.8	1.33	1.73	146	146	52.43	26.16	1.8726	
Dec-28	305.5	166.0	1.49	2.47	0	0	40.80	26.16	1.8726	
Jan-29	306.0	166.3	1.24	2.78	0	0	32.83	26.16	1.8726	
Feb-29	306.4	166.6	1.11	2.54	0	0	31.93	26.16	1.8726	
Mar-29	306.9	166.8	1.34	2.40	0	0	36.85	26.16	1.8726	Forecast
Apr-29	307.4	167.1	1.25	2.52	3	0	43.73	26.16	1.8726	Data
May-29	307.9	167.4	1.32	2.58	105	56	50.90	26.16	2.3407	
Jun-29	308.4	167.6	0.75	2.32	326	525	58.75	26.16	2.3407	
Jul-29	308.9	167.9	0.32	1.57	792	1,049	66.93	26.16	2.3407	
Aug-29	309.4	168.2	0.27	0.83	1,399	1,403	72.63	26.16	2.3407	
Sep-29	309.9	168.5	0.55	0.71	1,291	1,301	71.68	26.16	2.3407	
Oct-29	310.4	168.7	0.79	1.08	864	854	63.78	26.16	1.8726	
Nov-29	310.9	169.0	1.33	1.73	146	146	52.43	26.16	1.8726	
Dec-29	311.4	169.3	1.49	2.47	0	0	40.80	26.16	1.8726	
Jan-30	311.9	169.5	1.24	2.78	0	0	32.83	26.16	1.8726	
Feb-30	312.4	169.8	1.11	2.54	0	0	31.93	26.16	1.8726	
Mar-30	312.9	170.1	1.34	2.40	0	0	36.85	26.16	1.8726	
Apr-30	313.4	170.4	1.25	2.52	3	0	43.73	26.16	1.8726	
May-30	313.9	170.6	1.32	2.58	105	56	50.90	26.16	2.3407	
Jun-30	314.4	170.9	0.75	2.32	326	525	58.75	28.26	2.5287	
Jul-30	314.9	171.2	0.32	1.57	792	1,049	66.93	28.26	2.5287	
Aug-30	315.4	171.5	0.27	0.83	1,399	1,403	72.63	28.26	2.5287	
Sep-30	315.9	171.7	0.55	0.71	1,291	1,301	71.68	28.26	2.5287	
Oct-30	316.5	172.0	0.79	1.08	864	854	63.78	28.26	2.0229	
Nov-30	317.0	172.3	1.33	1.73	146	146	52.43	28.26	2.0229	
Dec-30	317.5	172.6	1.49	2.47	0	0	40.80	28.26	2.0229	
Jan-31	318.0	172.9	1.24	2.78	0	0	32.83	28.26	2.0229	
Feb-31	318.5	173.1	1.11	2.54	0	0	31.93	28.26	2.0229	
Mar-31	319.0	173.4	1.34	2.40	0	0	36.85	28.26	2.0229	
Apr-31	319.6	173.7	1.25	2.52	3	0	43.73	28.26	2.0229	
May-31	320.1	174.0	1.32	2.58	105	56	50.90	28.26	2.5287	
Jun-31	320.6	174.3	0.75	2.32	326	525	58.75	28.26	2.5287	
Jul-31	321.1	174.5	0.32	1.57	792	1,049	66.93	28.26	2.5287	
Aug-31	321.6	174.8	0.27	0.83	1,399	1,403	72.63	28.26	2.5287	
Sep-31	322.2	175.1	0.55	0.71	1,291	1,301	71.68	28.26	2.5287	
Oct-31	322.7	175.4	0.79	1.08	864	854	63.78	28.26	2.0229	
Nov-31	323.2	175.7	1.33	1.73	146	146	52.43	28.26	2.0229	
Dec-31	323.8	176.0	1.49	2.47	0	0	40.80	28.26	2.0229	
Jan-32	324.3	176.3	1.24	2.78	0	0	32.83	28.26	2.0229	
Feb-32	324.8	176.6	1.11	2.54	0	0	31.93	28.26	2.0229	
Mar-32	325.4	176.9	1.34	2.40	0	0	36.85	28.26	2.0229	
Apr-32	325.9	177.2	1.25	2.52	3	0	43.73	28.26	2.0229	
May-32	326.4	177.4	1.32	2.58	105	56	50.90	28.26	2.5287	
Jun-32	327.0	177.7	0.75	2.32	326	525	58.75	28.26	2.5287	
Jul-32	327.5	178.0	0.32	1.57	792	1,049	66.93	28.26	2.5287	
Aug-32	328.1	178.3	0.27	0.83	1,399	1,403	72.63	28.26	2.5287	
Sep-32	328.6	178.6	0.55	0.71	1,291	1,301	71.68	28.26	2.5287	
Oct-32	329.2	178.9	0.79	1.08	864	854	63.78	28.26	2.0229	
Nov-32	329.7	179.2	1.33	1.73	146	146	52.43	28.26	2.0229	
Dec-32	330.3	179.5	1.49	2.47	0	0	40.80	28.26	2.0229	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

Monthly Values of Exogenous Variables

Month	US Consumer Price Index CPIU	US Consumer Price Index 2003 Base CPIU03$	Boise Monthly Precip. (Inches) Precip	Boise Weighted Monthly Precip. (Inches) Wprecip	Boise Weighted Monthly Cooling Deg. Days WCDD	Boise Weighted Growing Degree Days WGDD	Boise Weighted Monthly Average Temp. WAVGT	UWI Bi-Monthly Meter Charge ($) MTR$	UWI Marginal Cost of Water ($/100 CCF) Price$	
Jan-33	330.8	179.8	1.24	2.78	0	0	32.83	28.26	2.0229	
Feb-33	331.4	180.1	1.11	2.54	0	0	31.93	28.26	2.0229	
Mar-33	331.9	180.4	1.34	2.40	0	0	36.85	28.26	2.0229	
Apr-33	332.5	180.7	1.25	2.52	3	0	43.73	28.26	2.0229	
May-33	333.0	181.0	1.32	2.58	105	56	50.90	28.26	2.5287	
Jun-33	333.6	181.3	0.75	2.32	326	525	58.75	28.26	2.5287	
Jul-33	334.1	181.6	0.32	1.57	792	1,049	66.93	28.26	2.5287	
Aug-33	334.7	181.9	0.27	0.83	1,399	1,403	72.63	28.26	2.5287	
Sep-33	335.2	182.2	0.55	0.71	1,291	1,301	71.68	28.26	2.5287	
Oct-33	335.8	182.5	0.79	1.08	864	854	63.78	28.26	2.0229	
Nov-33	336.3	182.8	1.33	1.73	146	146	52.43	28.26	2.0229	
Dec-33	336.9	183.1	1.49	2.47	0	0	40.80	28.26	2.0229	Forecast
Jan-34	337.5	183.4	1.24	2.78	0	0	32.83	28.26	2.0229	Data
Feb-34	338.0	183.7	1.11	2.54	0	0	31.93	28.26	2.0229	
Mar-34	338.6	184.0	1.34	2.40	0	0	36.85	28.26	2.0229	
Apr-34	339.1	184.3	1.25	2.52	3	0	43.73	28.26	2.0229	
May-34	339.7	184.7	1.32	2.58	105	56	50.90	28.26	2.5287	
Jun-34	340.2	185.0	0.75	2.32	326	525	58.75	30.58	2.7365	
Jul-34	340.8	185.3	0.32	1.57	792	1,049	66.93	30.58	2.7365	
Aug-34	341.4	185.6	0.27	0.83	1,399	1,403	72.63	30.58	2.7365	
Sep-34	342.0	185.9	0.55	0.71	1,291	1,301	71.68	30.58	2.7365	
Oct-34	342.6	186.2	0.79	1.08	864	854	63.78	30.58	2.1892	
Nov-34	343.2	186.5	1.33	1.73	146	146	52.43	30.58	2.1892	
Dec-34	343.8	186.9	1.49	2.47	0	0	40.80	30.58	2.1892	
Jan-35	344.4	187.2	1.24	2.78	0	0	32.83	30.58	2.1892	
Feb-35	344.9	187.5	1.11	2.54	0	0	31.93	30.58	2.1892	
Mar-35	345.5	187.8	1.34	2.40	0	0	36.85	30.58	2.1892	
Apr-35	346.1	188.2	1.25	2.52	3	0	43.73	30.58	2.1892	
May-35	346.7	188.5	1.32	2.58	105	56	50.90	30.58	2.7365	
Jun-35	347.3	188.8	0.75	2.32	326	525	58.75	30.58	2.7365	
Jul-35	347.9	189.1	0.32	1.57	792	1,049	66.93	30.58	2.7365	
Aug-35	348.5	189.4	0.27	0.83	1,399	1,403	72.63	30.58	2.7365	
Sep-35	349.1	189.8	0.55	0.71	1,291	1,301	71.68	30.58	2.7365	
Oct-35	349.7	190.1	0.79	1.08	864	854	63.78	30.58	2.1892	
Nov-35	350.3	190.4	1.33	1.73	146	146	52.43	30.58	2.1892	
Dec-35	350.9	190.7	1.49	2.47	0	0	40.80	30.58	2.1892	
Jan-36	351.5	191.0	1.24	2.78	0	0	32.83	30.58	2.1892	
Feb-36	352.0	191.4	1.11	2.54	0	0	31.93	30.58	2.1892	
Mar-36	352.6	191.7	1.34	2.40	0	0	36.85	30.58	2.1892	
Apr-36	353.2	192.0	1.25	2.52	3	0	43.73	30.58	2.1892	
May-36	353.8	192.3	1.32	2.58	105	56	50.90	30.58	2.7365	
Jun-36	354.4	192.7	0.75	2.32	326	525	58.75	30.58	2.7365	
Jul-36	355.0	193.0	0.32	1.57	792	1,049	66.93	30.58	2.7365	
Aug-36	355.6	193.3	0.27	0.83	1,399	1,403	72.63	30.58	2.7365	
Sep-36	356.2	193.6	0.55	0.71	1,291	1,301	71.68	30.58	2.7365	
Oct-36	356.8	194.0	0.79	1.08	864	854	63.78	30.58	2.1892	
Nov-36	357.4	194.3	1.33	1.73	146	146	52.43	30.58	2.1892	
Dec-36	358.0	194.6	1.49	2.47	0	0	40.80	30.58	2.1892	
Jan-37	358.6	194.9	1.24	2.78	0	0	32.83	30.58	2.1892	
Feb-37	359.2	195.3	1.11	2.54	0	0	31.93	30.58	2.1892	
Mar-37	359.8	195.6	1.34	2.40	0	0	36.85	30.58	2.1892	
Apr-37	360.4	195.9	1.25	2.52	3	0	43.73	30.58	2.1892	
May-37	361.0	196.2	1.32	2.58	105	56	50.90	30.58	2.7365	
Jun-37	361.6	196.6	0.75	2.32	326	525	58.75	30.58	2.7365	
Jul-37	362.2	196.9	0.32	1.57	792	1,049	66.93	30.58	2.7365	
Aug-37	362.8	197.2	0.27	0.83	1,399	1,403	72.63	30.58	2.7365	
Sep-37	363.4	197.6	0.55	0.71	1,291	1,301	71.68	30.58	2.7365	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

Monthly Values of Exogenous Variables

Month	US Consumer Price Index CPIU	US Consumer Price Index 2003 Base CPIU03$	Boise Monthly Precip. (Inches) Precip	Boise Weighted Monthly Precip. (Inches) Wprecip	Boise Weighted Monthly Cooling Deg. Days WCDD	Boise Weighted Growing Degree Days WGDD	Boise Weighted Monthly Average Temp. WAVGT	UWI Bi-Monthly Meter Charge ($) MTR$	UWI Marginal Cost of Water ($/100 CCF) Price$	
Oct-37	364.0	197.9	0.79	1.08	864	854	63.78	30.58	2.1892	
Nov-37	364.6	198.2	1.33	1.73	146	146	52.43	30.58	2.1892	
Dec-37	365.2	198.5	1.49	2.47	0	0	40.80	30.58	2.1892	
Jan-38	365.9	198.9	1.24	2.78	0	0	32.83	30.58	2.1892	
Feb-38	366.5	199.2	1.11	2.54	0	0	31.93	30.58	2.1892	
Mar-38	367.1	199.5	1.34	2.40	0	0	36.85	30.58	2.1892	
Apr-38	367.7	199.9	1.25	2.52	3	0	43.73	30.58	2.1892	
May-38	368.3	200.2	1.32	2.58	105	56	50.90	30.58	2.7365	
Jun-38	368.9	200.5	0.75	2.32	326	525	58.75	33.16	2.9669	
Jul-38	369.5	200.9	0.32	1.57	792	1,049	66.93	33.16	2.9669	
Aug-38	370.1	201.2	0.27	0.83	1,399	1,403	72.63	33.16	2.9669	
Sep-38	370.8	201.5	0.55	0.71	1,291	1,301	71.68	33.16	2.9669	Forecast
Oct-38	371.4	201.9	0.79	1.08	864	854	63.78	33.16	2.3735	Data
Nov-38	372.0	202.2	1.33	1.73	146	146	52.43	33.16	2.3735	
Dec-38	372.6	202.6	1.49	2.47	0	0	40.80	33.16	2.3735	
Jan-39	373.3	202.9	1.24	2.78	0	0	32.83	33.16	2.3735	
Feb-39	373.9	203.2	1.11	2.54	0	0	31.93	33.16	2.3735	
Mar-39	374.5	203.6	1.34	2.40	0	0	36.85	33.16	2.3735	
Apr-39	375.1	203.9	1.25	2.52	3	0	43.73	33.16	2.3735	
May-39	375.8	204.3	1.32	2.58	105	56	50.90	33.16	2.9669	
Jun-39	376.4	204.6	0.75	2.32	326	525	58.75	33.16	2.9669	
Jul-39	377.0	204.9	0.32	1.57	792	1,049	66.93	33.16	2.9669	
Aug-39	377.6	205.3	0.27	0.83	1,399	1,403	72.63	33.16	2.9669	
Sep-39	378.3	205.6	0.55	0.71	1,291	1,301	71.68	33.16	2.9669	
Oct-39	378.9	206.0	0.79	1.08	864	854	63.78	33.16	2.3735	
Nov-39	379.5	206.3	1.33	1.73	146	146	52.43	33.16	2.3735	
Dec-39	380.2	206.7	1.49	2.47	0	0	40.80	33.16	2.3735	
Jan-40	380.8	207.0	1.24	2.78	0	0	32.83	33.16	2.3735	
Feb-40	381.4	207.3	1.11	2.54	0	0	31.93	33.16	2.3735	
Mar-40	382.1	207.7	1.34	2.40	0	0	36.85	33.16	2.3735	
Apr-40	382.7	208.0	1.25	2.52	3	0	43.73	33.16	2.3735	
May-40	383.3	208.4	1.32	2.58	105	56	50.90	33.16	2.9669	
Jun-40	384.0	208.7	0.75	2.32	326	525	58.75	33.16	2.9669	
Jul-40	384.6	209.1	0.32	1.57	792	1,049	66.93	33.16	2.9669	
Aug-40	385.3	209.4	0.27	0.83	1,399	1,403	72.63	33.16	2.9669	
Sep-40	386.0	209.8	0.55	0.71	1,291	1,301	71.68	33.16	2.9669	
Oct-40	386.7	210.2	0.79	1.08	864	854	63.78	33.16	2.3735	
Nov-40	387.3	210.6	1.33	1.73	146	146	52.43	33.16	2.3735	
Dec-40	388.0	210.9	1.49	2.47	0	0	40.80	33.16	2.3735	
Jan-41	388.7	211.3	1.24	2.78	0	0	32.83	33.16	2.3735	
Feb-41	389.4	211.7	1.11	2.54	0	0	31.93	33.16	2.3735	
Mar-41	390.1	212.0	1.34	2.40	0	0	36.85	33.16	2.3735	
Apr-41	390.8	212.4	1.25	2.52	3	0	43.73	33.16	2.3735	
May-41	391.4	212.8	1.32	2.58	105	56	50.90	33.16	2.9669	
Jun-41	392.1	213.2	0.75	2.32	326	525	58.75	35.81	2.9669	
Jul-41	392.8	213.5	0.32	1.57	792	1,049	66.93	35.81	2.9669	
Aug-41	393.5	213.9	0.27	0.83	1,399	1,403	72.63	35.81	2.9669	
Sep-41	394.2	214.3	0.55	0.71	1,291	1,301	71.68	35.81	2.9669	
Oct-41	394.9	214.6	0.79	1.08	864	854	63.78	35.81	2.3735	
Nov-41	395.5	215.0	1.33	1.73	146	146	52.43	35.81	2.3735	
Dec-41	396.2	215.4	1.49	2.47	0	0	40.80	35.81	2.3735	
Jan-42	396.9	215.8	1.24	2.78	0	0	32.83	35.81	2.3735	
Feb-42	397.6	216.1	1.11	2.54	0	0	31.93	35.81	2.3735	
Mar-42	398.3	216.5	1.34	2.40	0	0	36.85	35.81	2.3735	
Apr-42	399.0	216.9	1.25	2.52	3	0	43.73	35.81	2.3735	
May-42	399.6	217.2	1.32	2.58	105	56	50.90	35.81	2.9669	
Jun-42	400.3	217.6	0.75	2.32	326	525	58.75	38.86	3.2197	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

Monthly Values of Exogenous Variables

Month	US Consumer Price Index CPIU	US Consumer Price Index 2003 Base CPIU03$	Boise Monthly Precip. (Inches) Precip	Boise Weighted Monthly Precip. (Inches) Wprecip	Boise Weighted Monthly Cooling Deg. Days WCDD	Boise Weighted Growing Degree Days WGDD	Boise Weighted Monthly Average Temp. WAVGT	UWI Bi-Monthly Meter Charge ($) MTR$	UWI Marginal Cost of Water ($/100 CCF) Price$	
Jul-42	401.0	218.0	0.32	1.57	792	1,049	66.93	38.86	3.2197	
Aug-42	401.7	218.4	0.27	0.83	1,399	1,403	72.63	38.86	3.2197	
Sep-42	402.4	218.7	0.55	0.71	1,291	1,301	71.68	38.86	3.2197	
Oct-42	403.1	219.1	0.79	1.08	864	854	63.78	38.86	2.5758	
Nov-42	403.8	219.5	1.33	1.73	146	146	52.43	38.86	2.5758	
Dec-42	404.5	219.9	1.49	2.47	0	0	40.80	38.86	2.5758	
Jan-43	405.2	220.3	1.24	2.78	0	0	32.83	38.86	2.5758	
Feb-43	405.9	220.6	1.11	2.54	0	0	31.93	38.86	2.5758	
Mar-43	406.6	221.0	1.34	2.40	0	0	36.85	38.86	2.5758	
Apr-43	407.3	221.4	1.25	2.52	3	0	43.73	38.86	2.5758	
May-43	408.0	221.8	1.32	2.58	105	56	50.90	38.86	3.2197	
Jun-43	408.7	222.2	0.75	2.32	326	525	58.75	38.86	3.2197	Forecast
Jul-43	409.4	222.5	0.32	1.57	792	1,049	66.93	38.86	3.2197	Data
Aug-43	410.1	222.9	0.27	0.83	1,399	1,403	72.63	38.86	3.2197	
Sep-43	410.8	223.3	0.55	0.71	1,291	1,301	71.68	38.86	3.2197	
Oct-43	411.6	223.7	0.79	1.08	864	854	63.78	38.86	2.5758	
Nov-43	412.3	224.1	1.33	1.73	146	146	52.43	38.86	2.5758	
Dec-43	413.0	224.5	1.49	2.47	0	0	40.80	38.86	2.5758	
Jan-44	413.7	224.9	1.24	2.78	0	0	32.83	38.86	2.5758	
Feb-44	414.4	225.3	1.11	2.54	0	0	31.93	38.86	2.5758	
Mar-44	415.1	225.7	1.34	2.40	0	0	36.85	38.86	2.5758	
Apr-44	415.9	226.1	1.25	2.52	3	0	43.73	38.86	2.5758	
May-44	416.6	226.4	1.32	2.58	105	56	50.90	38.86	3.2197	
Jun-44	417.3	226.8	0.75	2.32	326	525	58.75	38.86	3.2197	
Jul-44	418.0	227.2	0.32	1.57	792	1,049	66.93	38.86	3.2197	
Aug-44	418.7	227.6	0.27	0.83	1,399	1,403	72.63	38.86	3.2197	
Sep-44	419.5	228.0	0.55	0.71	1,291	1,301	71.68	38.86	3.2197	
Oct-44	420.2	228.4	0.79	1.08	864	854	63.78	38.86	2.5758	
Nov-44	420.9	228.8	1.33	1.73	146	146	52.43	38.86	2.5758	
Dec-44	421.7	229.2	1.49	2.47	0	0	40.80	38.86	2.5758	
Jan-45	422.4	229.6	1.24	2.78	0	0	32.83	38.86	2.5758	
Feb-45	423.1	230.0	1.11	2.54	0	0	31.93	38.86	2.5758	
Mar-45	423.9	230.4	1.34	2.40	0	0	36.85	38.86	2.5758	
Apr-45	424.6	230.8	1.25	2.52	3	0	43.73	38.86	2.5758	
May-45	425.3	231.2	1.32	2.58	105	56	50.90	38.86	3.2197	
Jun-45	426.0	231.6	0.75	2.32	326	525	58.75	38.86	3.2197	
Jul-45	426.8	232.0	0.32	1.57	792	1,049	66.93	38.86	3.2197	
Aug-45	427.5	232.4	0.27	0.83	1,399	1,403	72.63	38.86	3.2197	
Sep-45	428.3	232.8	0.55	0.71	1,291	1,301	71.68	38.86	3.2197	
Oct-45	429.0	233.2	0.79	1.08	864	854	63.78	38.86	2.5758	
Nov-45	429.8	233.6	1.33	1.73	146	146	52.43	38.86	2.5758	
Dec-45	430.5	234.0	1.49	2.47	0	0	40.80	38.86	2.5758	
Jan-46	431.3	234.4	1.24	2.78	0	0	32.83	38.86	2.5758	
Feb-46	432.0	234.8	1.11	2.54	0	0	31.93	38.86	2.5758	
Mar-46	432.8	235.2	1.34	2.40	0	0	36.85	38.86	2.5758	
Apr-46	433.5	235.6	1.25	2.52	3	0	43.73	38.86	2.5758	
May-46	434.2	236.1	1.32	2.58	105	56	50.90	38.86	3.2197	
Jun-46	435.0	236.5	0.75	2.32	326	525	58.75	42.23	3.4986	
Jul-46	435.7	236.9	0.32	1.57	792	1,049	66.93	42.23	3.4986	
Aug-46	436.5	237.3	0.27	0.83	1,399	1,403	72.63	42.23	3.4986	
Sep-46	437.3	237.7	0.55	0.71	1,291	1,301	71.68	42.23	3.4986	
Oct-46	438.0	238.1	0.79	1.08	864	854	63.78	42.23	2.7989	
Nov-46	438.8	238.5	1.33	1.73	146	146	52.43	42.23	2.7989	
Dec-46	439.6	238.9	1.49	2.47	0	0	40.80	42.23	2.7989	
Jan-47	440.3	239.4	1.24	2.78	0	0	32.83	42.23	2.7989	
Feb-47	441.1	239.8	1.11	2.54	0	0	31.93	42.23	2.7989	
Mar-47	441.8	240.2	1.34	2.40	0	0	36.85	42.23	2.7989	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

Monthly Values of Exogenous Variables

Month	US Consumer Price Index CPIU	US Consumer Price Index 2003 Base CPIU03$	Boise Monthly Precip. (Inches) Precip	Boise Weighted Monthly Precip. (Inches) Wprecip	Boise Weighted Monthly Cooling Deg. Days WCDD	Boise Weighted Growing Degree Days WGDD	Boise Weighted Monthly Average Temp. WAVGT	UWI Bi-Monthly Meter Charge ($) MTR$	UWI Marginal Cost of Water ($/100 CCF) Price$	
Apr-47	442.6	240.6	1.25	2.52	3	0	43.73	42.23	2.7989	
May-47	443.4	241.0	1.32	2.58	105	56	50.90	42.23	3.4986	
Jun-47	444.1	241.4	0.75	2.32	326	525	58.75	42.23	3.4986	
Jul-47	444.9	241.8	0.32	1.57	792	1,049	66.93	42.23	3.4986	
Aug-47	445.7	242.3	0.27	0.83	1,399	1,403	72.63	42.23	3.4986	
Sep-47	446.4	242.7	0.55	0.71	1,291	1,301	71.68	42.23	3.4986	
Oct-47	447.2	243.1	0.79	1.08	864	854	63.78	42.23	2.7989	
Nov-47	448.0	243.5	1.33	1.73	146	146	52.43	42.23	2.7989	
Dec-47	448.8	244.0	1.49	2.47	0	0	40.80	42.23	2.7989	
Jan-48	449.6	244.4	1.24	2.78	0	0	32.83	42.23	2.7989	
Feb-48	450.3	244.8	1.11	2.54	0	0	31.93	42.23	2.7989	
Mar-48	451.1	245.2	1.34	2.40	0	0	36.85	42.23	2.7989	Forecast
Apr-48	451.9	245.7	1.25	2.52	3	0	43.73	42.23	2.7989	Data
May-48	452.7	246.1	1.32	2.58	105	56	50.90	42.23	3.4986	
Jun-48	453.5	246.5	0.75	2.32	326	525	58.75	42.23	3.4986	
Jul-48	454.2	246.9	0.32	1.57	792	1,049	66.93	42.23	3.4986	
Aug-48	455.0	247.4	0.27	0.83	1,399	1,403	72.63	42.23	3.4986	
Sep-48	455.8	247.8	0.55	0.71	1,291	1,301	71.68	42.23	3.4986	
Oct-48	456.6	248.2	0.79	1.08	864	854	63.78	42.23	2.7989	
Nov-48	457.4	248.6	1.33	1.73	146	146	52.43	42.23	2.7989	
Dec-48	458.2	249.1	1.49	2.47	0	0	40.80	42.23	2.7989	
Jan-49	459.0	249.5	1.24	2.78	0	0	32.83	42.23	2.7989	
Feb-49	459.8	249.9	1.11	2.54	0	0	31.93	42.23	2.7989	
Mar-49	460.6	250.4	1.34	2.40	0	0	36.85	42.23	2.7989	
Apr-49	461.4	250.8	1.25	2.52	3	0	43.73	42.23	2.7989	
May-49	462.2	251.2	1.32	2.58	105	56	50.90	42.23	3.4986	
Jun-49	463.0	251.7	0.75	2.32	326	525	58.75	42.23	3.4986	
Jul-49	463.8	252.1	0.32	1.57	792	1,049	66.93	42.23	3.4986	
Aug-49	464.6	252.5	0.27	0.83	1,399	1,403	72.63	42.23	3.4986	
Sep-49	465.4	253.0	0.55	0.71	1,291	1,301	71.68	42.23	3.4986	
Oct-49	466.2	253.4	0.79	1.08	864	854	63.78	42.23	2.7989	
Nov-49	467.0	253.9	1.33	1.73	146	146	52.43	42.23	2.7989	
Dec-49	467.8	254.3	1.49	2.47	0	0	40.80	42.23	2.7989	
Jan-50	468.6	254.8	1.24	2.78	0	0	32.83	42.23	2.7989	
Feb-50	469.5	255.2	1.11	2.54	0	0	31.93	42.23	2.7989	
Mar-50	470.3	255.6	1.34	2.40	0	0	36.85	42.23	2.7989	
Apr-50	471.1	256.1	1.25	2.52	3	0	43.73	42.23	2.7989	
May-50	471.9	256.5	1.32	2.58	105	56	50.90	42.23	3.4986	
Jun-50	472.7	257.0	0.75	2.32	326	525	58.75	45.89	3.6735	
Jul-50	473.5	257.4	0.32	1.57	792	1,049	66.93	45.89	3.6735	
Aug-50	474.3	257.8	0.27	0.83	1,399	1,403	72.63	45.89	3.6735	
Sep-50	475.2	258.3	0.55	0.71	1,291	1,301	71.68	45.89	3.6735	
Oct-50	476.0	258.8	0.79	1.08	864	854	63.78	45.89	2.9388	
Nov-50	476.8	259.2	1.33	1.73	146	146	52.43	45.89	2.9388	
Dec-50	477.7	259.7	1.49	2.47	0	0	40.80	45.89	2.9388	
Jan-51	478.5	260.1	1.24	2.78	0	0	32.83	45.89	2.9388	
Feb-51	479.3	260.6	1.11	2.54	0	0	31.93	45.89	2.9388	
Mar-51	480.1	261.0	1.34	2.40	0	0	36.85	45.89	2.9388	
Apr-51	481.0	261.5	1.25	2.52	3	0	43.73	45.89	2.9388	
May-51	481.8	261.9	1.32	2.58	105	56	50.90	45.89	3.6735	
Jun-51	482.6	262.4	0.75	2.32	326	525	58.75	45.89	3.6735	
Jul-51	483.5	262.8	0.32	1.57	792	1,049	66.93	45.89	3.6735	
Aug-51	484.3	263.3	0.27	0.83	1,399	1,403	72.63	45.89	3.6735	
Sep-51	485.1	263.7	0.55	0.71	1,291	1,301	71.68	45.89	3.6735	
Oct-51	486.0	264.2	0.79	1.08	864	854	63.78	45.89	2.9388	
Nov-51	486.8	264.6	1.33	1.73	146	146	52.43	45.89	2.9388	
Dec-51	487.7	265.1	1.49	2.47	0	0	40.80	45.89	2.9388	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

Monthly Values of Exogenous Variables

Month	US Consumer Price Index CPIU	US Consumer Price Index 2003 Base CPIU03$	Boise Monthly Precip. (Inches) Precip	Boise Weighted Monthly Precip. (Inches) Wprecip	Boise Weighted Monthly Cooling Deg. Days WCDD	Boise Weighted Growing Degree Days WGDD	Boise Weighted Monthly Average Temp. WAVGT	UWI Bi-Monthly Meter Charge ($) MTR$	UWI Marginal Cost of Water ($/100 CCF) Price$	
Jan-52	488.5	265.6	1.24	2.78	0	0	32.83	45.89	2.9388	
Feb-52	489.4	266.0	1.11	2.54	0	0	31.93	45.89	2.9388	
Mar-52	490.2	266.5	1.34	2.40	0	0	36.85	45.89	2.9388	
Apr-52	491.1	266.9	1.25	2.52	3	0	43.73	45.89	2.9388	
May-52	491.9	267.4	1.32	2.58	105	56	50.90	45.89	3.6735	
Jun-52	492.8	267.9	0.75	2.32	326	525	58.75	45.89	3.6735	
Jul-52	493.6	268.3	0.32	1.57	792	1,049	66.93	45.89	3.6735	
Aug-52	494.5	268.8	0.27	0.83	1,399	1,403	72.63	45.89	3.6735	
Sep-52	495.3	269.3	0.55	0.71	1,291	1,301	71.68	45.89	3.6735	
Oct-52	496.2	269.7	0.79	1.08	864	854	63.78	45.89	2.9388	
Nov-52	497.1	270.2	1.33	1.73	146	146	52.43	45.89	2.9388	
Dec-52	497.9	270.7	1.49	2.47	0	0	40.80	45.89	2.9388	Forecast
Jan-53	498.8	271.1	1.24	2.78	0	0	32.83	45.89	2.9388	Data
Feb-53	499.7	271.6	1.11	2.54	0	0	31.93	45.89	2.9388	
Mar-53	500.5	272.1	1.34	2.40	0	0	36.85	45.89	2.9388	
Apr-53	501.4	272.5	1.25	2.52	3	0	43.73	45.89	2.9388	
May-53	502.2	273.0	1.32	2.58	105	56	50.90	45.89	3.6735	
Jun-53	503.1	273.5	0.75	2.32	326	525	58.75	45.89	3.6735	
Jul-53	504.0	274.0	0.32	1.57	792	1,049	66.93	45.89	3.6735	
Aug-53	504.9	274.4	0.27	0.83	1,399	1,403	72.63	45.89	3.6735	
Sep-53	505.7	274.9	0.55	0.71	1,291	1,301	71.68	45.89	3.6735	
Oct-53	506.6	275.4	0.79	1.08	864	854	63.78	45.89	2.9388	
Nov-53	507.5	275.9	1.33	1.73	146	146	52.43	45.89	2.9388	
Dec-53	508.4	276.4	1.49	2.47	0	0	40.80	45.89	2.9388	
Jan-54	509.3	276.8	1.24	2.78	0	0	32.83	45.89	2.9388	
Feb-54	510.1	277.3	1.11	2.54	0	0	31.93	45.89	2.9388	
Mar-54	511.0	277.8	1.34	2.40	0	0	36.85	45.89	2.9388	
Apr-54	511.9	278.3	1.25	2.52	3	0	43.73	45.89	2.9388	
May-54	512.8	278.8	1.32	2.58	105	56	50.90	45.89	3.6735	
Jun-54	513.7	279.2	0.75	2.32	326	525	58.75	49.87	3.8572	
Jul-54	514.6	279.7	0.32	1.57	792	1,049	66.93	49.87	3.8572	
Aug-54	515.5	280.2	0.27	0.83	1,399	1,403	72.63	49.87	3.8572	
Sep-54	516.4	280.7	0.55	0.71	1,291	1,301	71.68	49.87	3.8572	
Oct-54	517.3	281.2	0.79	1.08	864	854	63.78	49.87	3.0857	
Nov-54	518.2	281.7	1.33	1.73	146	146	52.43	49.87	3.0857	
Dec-54	519.1	282.2	1.49	2.47	0	0	40.80	49.87	3.0857	
Jan-55	520.0	282.6	1.24	2.78	0	0	32.83	49.87	3.0857	
Feb-55	520.9	283.1	1.11	2.54	0	0	31.93	49.87	3.0857	
Mar-55	521.8	283.6	1.34	2.40	0	0	36.85	49.87	3.0857	
Apr-55	522.7	284.1	1.25	2.52	3	0	43.73	49.87	3.0857	
May-55	523.6	284.6	1.32	2.58	105	56	50.90	49.87	3.8572	
Jun-55	524.5	285.1	0.75	2.32	326	525	58.75	49.87	3.8572	
Jul-55	525.4	285.6	0.32	1.57	792	1,049	66.93	49.87	3.8572	
Aug-55	526.3	286.1	0.27	0.83	1,399	1,403	72.63	49.87	3.8572	
Sep-55	527.2	286.6	0.55	0.71	1,291	1,301	71.68	49.87	3.8572	
Oct-55	528.1	287.1	0.79	1.08	864	854	63.78	49.87	3.0857	
Nov-55	529.0	287.6	1.33	1.73	146	146	52.43	49.87	3.0857	
Dec-55	530.0	288.1	1.49	2.47	0	0	40.80	49.87	3.0857	
Jan-56	530.9	288.6	1.24	2.78	0	0	32.83	49.87	3.0857	
Feb-56	531.8	289.1	1.11	2.54	0	0	31.93	49.87	3.0857	
Mar-56	532.7	289.6	1.34	2.40	0	0	36.85	49.87	3.0857	
Apr-56	533.6	290.1	1.25	2.52	3	0	43.73	49.87	3.0857	
May-56	534.6	290.6	1.32	2.58	105	56	50.90	49.87	3.8572	
Jun-56	535.5	291.1	0.75	2.32	326	525	58.75	49.87	3.8572	
Jul-56	536.4	291.6	0.32	1.57	792	1,049	66.93	49.87	3.8572	
Aug-56	537.3	292.1	0.27	0.83	1,399	1,403	72.63	49.87	3.8572	
Sep-56	538.3	292.6	0.55	0.71	1,291	1,301	71.68	49.87	3.8572	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

Monthly Values of Exogenous Variables

Month	US Consumer Price Index CPIU	US Consumer Price Index 2003 Base CPIU03$	Boise Monthly Precip. (Inches) Precip	Boise Weighted Monthly Precip. (Inches) Wprecip	Boise Weighted Monthly Cooling Deg. Days WCDD	Boise Weighted Growing Degree Days WGDD	Boise Weighted Monthly Average Temp. WAVGT	UWI Bi-Monthly Meter Charge ($) MTR$	UWI Marginal Cost of Water ($/100 CCF) Price$	
Oct-56	539.2	293.1	0.79	1.08	864	854	63.78	49.87	3.0857	
Nov-56	540.2	293.6	1.33	1.73	146	146	52.43	49.87	3.0857	
Dec-56	541.1	294.1	1.49	2.47	0	0	40.80	49.87	3.0857	
Jan-57	542.0	294.6	1.24	2.78	0	0	32.83	49.87	3.0857	
Feb-57	543.0	295.2	1.11	2.54	0	0	31.93	49.87	3.0857	
Mar-57	543.9	295.7	1.34	2.40	0	0	36.85	49.87	3.0857	
Apr-57	544.8	296.2	1.25	2.52	3	0	43.73	49.87	3.0857	
May-57	545.8	296.7	1.32	2.58	105	56	50.90	49.87	3.8572	
Jun-57	546.7	297.2	0.75	2.32	326	525	58.75	49.87	3.8572	
Jul-57	547.7	297.7	0.32	1.57	792	1,049	66.93	49.87	3.8572	
Aug-57	548.6	298.2	0.27	0.83	1,399	1,403	72.63	49.87	3.8572	
Sep-57	549.6	298.7	0.55	0.71	1,291	1,301	71.68	49.87	3.8572	Forecast
Oct-57	550.5	299.3	0.79	1.08	864	854	63.78	49.87	3.0857	Data
Nov-57	551.5	299.8	1.33	1.73	146	146	52.43	49.87	3.0857	
Dec-57	552.5	300.3	1.49	2.47	0	0	40.80	49.87	3.0857	
Jan-58	553.4	300.8	1.24	2.78	0	0	32.83	49.87	3.0857	
Feb-58	554.4	301.4	1.11	2.54	0	0	31.93	49.87	3.0857	
Mar-58	555.3	301.9	1.34	2.40	0	0	36.85	49.87	3.0857	
Apr-58	556.3	302.4	1.25	2.52	3	0	43.73	49.87	3.0857	
May-58	557.2	302.9	1.32	2.58	105	56	50.90	49.87	3.8572	
Jun-58	558.2	303.4	0.75	2.32	326	525	58.75	54.19	4.0500	
Jul-58	559.2	304.0	0.32	1.57	792	1,049	66.93	54.19	4.0500	
Aug-58	560.1	304.5	0.27	0.83	1,399	1,403	72.63	54.19	4.0500	
Sep-58	561.1	305.0	0.55	0.71	1,291	1,301	71.68	54.19	4.0500	
Oct-58	562.1	305.6	0.79	1.08	864	854	63.78	54.19	3.2400	
Nov-58	563.1	306.1	1.33	1.73	146	146	52.43	54.19	3.2400	
Dec-58	564.1	306.6	1.49	2.47	0	0	40.80	54.19	3.2400	
Jan-59	565.0	307.1	1.24	2.78	0	0	32.83	54.19	3.2400	
Feb-59	566.0	307.7	1.11	2.54	0	0	31.93	54.19	3.2400	
Mar-59	567.0	308.2	1.34	2.40	0	0	36.85	54.19	3.2400	
Apr-59	568.0	308.7	1.25	2.52	3	0	43.73	54.19	3.2400	
May-59	568.9	309.3	1.32	2.58	105	56	50.90	54.19	4.0500	
Jun-59	569.9	309.8	0.75	2.32	326	525	58.75	54.19	4.0500	
Jul-59	570.9	310.3	0.32	1.57	792	1,049	66.93	54.19	4.0500	
Aug-59	571.9	310.9	0.27	0.83	1,399	1,403	72.63	54.19	4.0500	
Sep-59	572.9	311.4	0.55	0.71	1,291	1,301	71.68	54.19	4.0500	
Oct-59	573.9	312.0	0.79	1.08	864	854	63.78	54.19	3.2400	
Nov-59	574.9	312.5	1.33	1.73	146	146	52.43	54.19	3.2400	
Dec-59	575.9	313.1	1.49	2.47	0	0	40.80	54.19	3.2400	
Jan-60	576.9	313.6	1.24	2.78	0	0	32.83	54.19	3.2400	
Feb-60	577.9	314.1	1.11	2.54	0	0	31.93	54.19	3.2400	
Mar-60	578.9	314.7	1.34	2.40	0	0	36.85	54.19	3.2400	
Apr-60	579.9	315.2	1.25	2.52	3	0	43.73	54.19	3.2400	
May-60	580.9	315.8	1.32	2.58	105	56	50.90	54.19	4.0500	
Jun-60	581.9	316.3	0.75	2.32	326	525	58.75	54.19	4.0500	
Jul-60	582.9	316.9	0.32	1.57	792	1,049	66.93	54.19	4.0500	
Aug-60	583.9	317.4	0.27	0.83	1,399	1,403	72.63	54.19	4.0500	
Sep-60	584.9	318.0	0.55	0.71	1,291	1,301	71.68	54.19	4.0500	
Oct-60	586.0	318.5	0.79	1.08	864	854	63.78	54.19	3.2400	
Nov-60	587.0	319.1	1.33	1.73	146	146	52.43	54.19	3.2400	
Dec-60	588.0	319.6	1.49	2.47	0	0	40.80	54.19	3.2400	
Jan-61	589.0	320.2	1.24	2.78	0	0	32.83	54.19	3.2400	
Feb-61	590.0	320.7	1.11	2.54	0	0	31.93	54.19	3.2400	
Mar-61	591.1	321.3	1.34	2.40	0	0	36.85	54.19	3.2400	
Apr-61	592.1	321.8	1.25	2.52	3	0	43.73	54.19	3.2400	
May-61	593.1	322.4	1.32	2.58	105	56	50.90	54.19	4.0500	
Jun-61	594.1	323.0	0.75	2.32	326	525	58.75	54.19	4.0500	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

Monthly Values of Exogenous Variables

Month	US Consumer Price Index CPIU	US Consumer Price Index 2003 Base CPIU03$	Boise Monthly Precip. (Inches) Precip	Boise Weighted Monthly Precip. (Inches) Wprecip	Boise Weighted Monthly Cooling Deg. Days WCDD	Boise Weighted Growing Degree Days WGDD	Boise Weighted Monthly Average Temp. WAVGT	UWI Bi-Monthly Meter Charge ($) MTR$	UWI Marginal Cost of Water ($/100 CCF) Price$	
Jul-61	595.1	323.5	0.32	1.57	792	1,049	66.93	54.19	4.0500	
Aug-61	596.2	324.1	0.27	0.83	1,399	1,403	72.63	54.19	4.0500	
Sep-61	597.2	324.6	0.55	0.71	1,291	1,301	71.68	54.19	4.0500	
Oct-61	598.3	325.2	0.79	1.08	864	854	63.78	54.19	3.2400	
Nov-61	599.3	325.8	1.33	1.73	146	146	52.43	54.19	3.2400	
Dec-61	600.3	326.3	1.49	2.47	0	0	40.80	54.19	3.2400	
Jan-62	601.4	326.9	1.24	2.78	0	0	32.83	54.19	3.2400	
Feb-62	602.4	327.5	1.11	2.54	0	0	31.93	54.19	3.2400	
Mar-62	603.5	328.0	1.34	2.40	0	0	36.85	54.19	3.2400	
Apr-62	604.5	328.6	1.25	2.52	3	0	43.73	54.19	3.2400	
May-62	605.5	329.2	1.32	2.58	105	56	50.90	54.19	4.0500	
Jun-62	606.6	329.7	0.75	2.32	326	525	58.75	58.89	4.2525	Forecast
Jul-62	607.6	330.3	0.32	1.57	792	1,049	66.93	58.89	4.2525	Data
Aug-62	608.7	330.9	0.27	0.83	1,399	1,403	72.63	58.89	4.2525	
Sep-62	609.8	331.5	0.55	0.71	1,291	1,301	71.68	58.89	4.2525	
Oct-62	610.8	332.0	0.79	1.08	864	854	63.78	58.89	3.4020	
Nov-62	611.9	332.6	1.33	1.73	146	146	52.43	58.89	3.4020	
Dec-62	612.9	333.2	1.49	2.47	0	0	40.80	58.89	3.4020	
Jan-63	614.0	333.8	1.24	2.78	0	0	32.83	58.89	3.4020	
Feb-63	615.1	334.4	1.11	2.54	0	0	31.93	58.89	3.4020	
Mar-63	616.1	334.9	1.34	2.40	0	0	36.85	58.89	3.4020	
Apr-63	617.2	335.5	1.25	2.52	3	0	43.73	58.89	3.4020	
May-63	618.3	336.1	1.32	2.58	105	56	50.90	58.89	4.2525	
Jun-63	619.3	336.7	0.75	2.32	326	525	58.75	58.89	4.2525	
Jul-63	620.4	337.2	0.32	1.57	792	1,049	66.93	58.89	4.2525	
Aug-63	621.5	337.8	0.27	0.83	1,399	1,403	72.63	58.89	4.2525	
Sep-63	622.6	338.4	0.55	0.71	1,291	1,301	71.68	58.89	4.2525	
Oct-63	623.6	339.0	0.79	1.08	864	854	63.78	58.89	3.4020	
Nov-63	624.7	339.6	1.33	1.73	146	146	52.43	58.89	3.4020	
Dec-63	625.8	340.2	1.49	2.47	0	0	40.80	58.89	3.4020	
Jan-64	626.9	340.8	1.24	2.78	0	0	32.83	58.89	3.4020	
Feb-64	628.0	341.4	1.11	2.54	0	0	31.93	58.89	3.4020	
Mar-64	629.1	342.0	1.34	2.40	0	0	36.85	58.89	3.4020	
Apr-64	630.2	342.6	1.25	2.52	3	0	43.73	58.89	3.4020	
May-64	631.2	343.1	1.32	2.58	105	56	50.90	58.89	4.2525	
Jun-64	632.3	343.7	0.75	2.32	326	525	58.75	58.89	4.2525	
Jul-64	633.4	344.3	0.32	1.57	792	1,049	66.93	58.89	4.2525	
Aug-64	634.5	344.9	0.27	0.83	1,399	1,403	72.63	58.89	4.2525	
Sep-64	635.6	345.5	0.55	0.71	1,291	1,301	71.68	58.89	4.2525	
Oct-64	636.7	346.1	0.79	1.08	864	854	63.78	58.89	3.4020	
Nov-64	637.9	346.7	1.33	1.73	146	146	52.43	58.89	3.4020	
Dec-64	639.0	347.3	1.49	2.47	0	0	40.80	58.89	3.4020	
Jan-65	640.1	347.9	1.24	2.78	0	0	32.83	58.89	3.4020	
Feb-65	641.2	348.5	1.11	2.54	0	0	31.93	58.89	3.4020	
Mar-65	642.3	349.1	1.34	2.40	0	0	36.85	58.89	3.4020	
Apr-65	643.4	349.7	1.25	2.52	3	0	43.73	58.89	3.4020	
May-65	644.5	350.4	1.32	2.58	105	56	50.90	58.89	4.2525	
Jun-65	645.6	351.0	0.75	2.32	326	525	58.75	58.89	4.2525	
Jul-65	646.7	351.6	0.32	1.57	792	1,049	66.93	58.89	4.2525	
Aug-65	647.9	352.2	0.27	0.83	1,399	1,403	72.63	58.89	4.2525	
Sep-65	649.0	352.8	0.55	0.71	1,291	1,301	71.68	58.89	4.2525	
Oct-65	650.1	353.4	0.79	1.08	864	854	63.78	58.89	3.4020	
Nov-65	651.2	354.0	1.33	1.73	146	146	52.43	58.89	3.4020	
Dec-65	652.4	354.6	1.49	2.47	0	0	40.80	58.89	3.4020	

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables											
	Monthly Values of Binary Variables											
Month	Bmay	Bjune	Bjul	Baug	Bsep	Boct	Bnov	Bdec	Bin1	Bin2	SouthC	Trend
Jan-95	0	0	0	0	0	0	0	0	0	0	0	232
Feb-95	0	0	0	0	0	0	0	0	0	0	0	233
Mar-95	0	0	0	0	0	0	0	0	0	0	0	234
Apr-95	0	0	0	0	0	0	0	0	0	0	0	235
May-95	1	0	0	0	0	0	0	0	0	0	0	236
Jun-95	0	1	0	0	0	0	0	0	0	0	0	237
Jul-95	0	0	1	0	0	0	0	0	0	0	0	238
Aug-95	0	0	0	1	0	0	0	0	0	0	0	239
Sep-95	0	0	0	0	1	0	0	0	0	0	0	240
Oct-95	0	0	0	0	0	1	0	0	0	0	0	241
Nov-95	0	0	0	0	0	0	1	0	0	0	0	242
Dec-95	0	0	0	0	0	0	0	1	0	0	0	243
Jan-96	0	0	0	0	0	0	0	0	0	0	0	244
Feb-96	0	0	0	0	0	0	0	0	0	0	0	245
Mar-96	0	0	0	0	0	0	0	0	0	0	0	246
Apr-96	0	0	0	0	0	0	0	0	0	0	0	247
May-96	1	0	0	0	0	0	0	0	0	0	0	248
Jun-96	0	1	0	0	0	0	0	0	0	0	0	249
Jul-96	0	0	1	0	0	0	0	0	0	0	0	250
Aug-96	0	0	0	1	0	0	0	0	0	0	0	251
Sep-96	0	0	0	0	1	0	0	0	0	0	0	252
Oct-96	0	0	0	0	0	1	0	0	0	0	0	253
Nov-96	0	0	0	0	0	0	1	0	0	0	0	254
Dec-96	0	0	0	0	0	0	0	1	0	0	0	255
Jan-97	0	0	0	0	0	0	0	0	0	0	0	256
Feb-97	0	0	0	0	0	0	0	0	0	0	0	257
Mar-97	0	0	0	0	0	0	0	0	0	0	0	258
Apr-97	0	0	0	0	0	0	0	0	0	0	0	259
May-97	1	0	0	0	0	0	0	0	0	0	0	260
Jun-97	0	1	0	0	0	0	0	0	0	0	0	261
Jul-97	0	0	1	0	0	0	0	0	0	0	0	262
Aug-97	0	0	0	1	0	0	0	0	0	0	0	263
Sep-97	0	0	0	0	1	0	0	0	0	0	0	264
Oct-97	0	0	0	0	0	1	0	0	0	0	0	265
Nov-97	0	0	0	0	0	0	1	0	0	0	0	266
Dec-97	0	0	0	0	0	0	0	1	0	0	0	267
Jan-98	0	0	0	0	0	0	0	0	0	0	0	268
Feb-98	0	0	0	0	0	0	0	0	0	0	0	269
Mar-98	0	0	0	0	0	0	0	0	0	0	0	270
Apr-98	0	0	0	0	0	0	0	0	0	0	0	271
May-98	1	0	0	0	0	0	0	0	0	0	0	272
Jun-98	0	1	0	0	0	0	0	0	0	0	0	273
Jul-98	0	0	1	0	0	0	0	0	0	0	0	274
Aug-98	0	0	0	1	0	0	0	0	0	0	0	275
Sep-98	0	0	0	0	1	0	0	0	0	0	0	276
Oct-98	0	0	0	0	0	1	0	0	0	0	0	277
Nov-98	0	0	0	0	0	0	1	0	0	0	0	278
Dec-98	0	0	0	0	0	0	0	1	0	0	0	279
Jan-99	0	0	0	0	0	0	0	0	0	1	1	280
Feb-99	0	0	0	0	0	0	0	0	0	1	1	281
Mar-99	0	0	0	0	0	0	0	0	0	1	1	282
Apr-99	0	0	0	0	0	0	0	0	0	1	1	283
May-99	1	0	0	0	0	0	0	0	0	1	1	284
Jun-99	0	1	0	0	0	0	0	0	0	1	1	285
Jul-99	0	0	1	0	0	0	0	0	0	1	1	286
Aug-99	0	0	0	1	0	0	0	0	0	1	1	287
Sep-99	0	0	0	0	1	0	0	0	0	1	1	288

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables											
	Monthly Values of Binary Variables											
Month	Bmay	Bjune	Bjul	Baug	Bsep	Boct	Bnov	Bdec	Bin1	Bin2	SouthC	Trend
Oct-99	0	0	0	0	0	1	0	0	0	1	1	289
Nov-99	0	0	0	0	0	0	1	0	0	1	1	290
Dec-99	0	0	0	0	0	0	0	1	0	1	1	291
Jan-00	0	0	0	0	0	0	0	0	0	1	1	292
Feb-00	0	0	0	0	0	0	0	0	0	1	1	293
Mar-00	0	0	0	0	0	0	0	0	0	1	1	294
Apr-00	0	0	0	0	0	0	0	0	0	1	1	295
May-00	1	0	0	0	0	0	0	0	0	1	1	296
Jun-00	0	1	0	0	0	0	0	0	0	1	1	297
Jul-00	0	0	1	0	0	0	0	0	0	1	1	298
Aug-00	0	0	0	1	0	0	0	0	0	1	1	299
Sep-00	0	0	0	0	1	0	0	0	0	1	1	300
Oct-00	0	0	0	0	0	1	0	0	0	1	1	301
Nov-00	0	0	0	0	0	0	1	0	0	1	1	302
Dec-00	0	0	0	0	0	0	0	1	0	1	1	303
Jan-01	0	0	0	0	0	0	0	0	0	1	1	304
Feb-01	0	0	0	0	0	0	0	0	0	1	1	305
Mar-01	0	0	0	0	0	0	0	0	0	1	1	306
Apr-01	0	0	0	0	0	0	0	0	0	1	1	307
May-01	1	0	0	0	0	0	0	0	0	1	1	308
Jun-01	0	1	0	0	0	0	0	0	0	1	1	309
Jul-01	0	0	1	0	0	0	0	0	0	1	1	310
Aug-01	0	0	0	1	0	0	0	0	0	1	1	311
Sep-01	0	0	0	0	1	0	0	0	0	1	1	312
Oct-01	0	0	0	0	0	1	0	0	0	1	1	313
Nov-01	0	0	0	0	0	0	1	0	0	1	1	314
Dec-01	0	0	0	0	0	0	0	1	0	1	1	315
Jan-02	0	0	0	0	0	0	0	0	0	1	1	316
Feb-02	0	0	0	0	0	0	0	0	0	1	1	317
Mar-02	0	0	0	0	0	0	0	0	0	1	1	318
Apr-02	0	0	0	0	0	0	0	0	0	1	1	319
May-02	1	0	0	0	0	0	0	0	0	1	1	320
Jun-02	0	1	0	0	0	0	0	0	0	1	1	321
Jul-02	0	0	1	0	0	0	0	0	0	1	1	322
Aug-02	0	0	0	1	0	0	0	0	0	1	1	323
Sep-02	0	0	0	0	1	0	0	0	0	1	1	324
Oct-02	0	0	0	0	0	1	0	0	0	1	1	325
Nov-02	0	0	0	0	0	0	1	0	0	1	1	326
Dec-02	0	0	0	0	0	0	0	1	0	1	1	327
Jan-03	0	0	0	0	0	0	0	0	0	1	1	328
Feb-03	0	0	0	0	0	0	0	0	0	1	1	329
Mar-03	0	0	0	0	0	0	0	0	0	1	1	330
Apr-03	0	0	0	0	0	0	0	0	0	1	1	331
May-03	1	0	0	0	0	0	0	0	0	1	1	332
Jun-03	0	1	0	0	0	0	0	0	0	1	1	333
Jul-03	0	0	1	0	0	0	0	0	0	1	1	334
Aug-03	0	0	0	1	0	0	0	0	0	1	1	335
Sep-03	0	0	0	0	1	0	0	0	0	1	1	336
Oct-03	0	0	0	0	0	1	0	0	0	1	1	337
Nov-03	0	0	0	0	0	0	1	0	0	1	1	338
Dec-03	0	0	0	0	0	0	0	1	0	1	1	339
Jan-04	0	0	0	0	0	0	0	0	0	1	1	340
Feb-04	0	0	0	0	0	0	0	0	0	1	1	341
Mar-04	0	0	0	0	0	0	0	0	0	1	1	342
Apr-04	0	0	0	0	0	0	0	0	0	1	1	343
May-04	1	0	0	0	0	0	0	0	0	1	1	344
Jun-04	0	1	0	0	0	0	0	0	0	1	1	345

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables											
	Monthly Values of Binary Variables											
Month	Bmay	Bjune	Bjul	Baug	Bsep	Boct	Bnov	Bdec	Bin1	Bin2	SouthC	Trend
Jul-04	0	0	1	0	0	0	0	0	0	1	1	346
Aug-04	0	0	0	1	0	0	0	0	0	1	1	347
Sep-04	0	0	0	0	1	0	0	0	0	1	1	348
Oct-04	0	0	0	0	0	1	0	0	0	1	1	349
Nov-04	0	0	0	0	0	0	1	0	0	1	1	350
Dec-04	0	0	0	0	0	0	0	1	0	1	1	351
Jan-05	0	0	0	0	0	0	0	0	0	1	1	352
Feb-05	0	0	0	0	0	0	0	0	0	1	1	353
Mar-05	0	0	0	0	0	0	0	0	0	1	1	354
Apr-05	0	0	0	0	0	0	0	0	0	1	1	355
May-05	1	0	0	0	0	0	0	0	0	1	1	356
Jun-05	0	1	0	0	0	0	0	0	0	1	1	357
Jul-05	0	0	1	0	0	0	0	0	0	1	1	358
Aug-05	0	0	0	1	0	0	0	0	0	1	1	359
Sep-05	0	0	0	0	1	0	0	0	0	1	1	360
Oct-05	0	0	0	0	0	1	0	0	0	1	1	361
Nov-05	0	0	0	0	0	0	1	0	0	1	1	362
Dec-05	0	0	0	0	0	0	0	1	0	1	1	363
Jan-06	0	0	0	0	0	0	0	0	0	1	1	364
Feb-06	0	0	0	0	0	0	0	0	0	1	1	365
Mar-06	0	0	0	0	0	0	0	0	0	1	1	366
Apr-06	0	0	0	0	0	0	0	0	0	1	1	367
May-06	1	0	0	0	0	0	0	0	0	1	1	368
Jun-06	0	1	0	0	0	0	0	0	0	1	1	369
Jul-06	0	0	1	0	0	0	0	0	0	1	1	370
Aug-06	0	0	0	1	0	0	0	0	0	1	1	371
Sep-06	0	0	0	0	1	0	0	0	0	1	1	372
Oct-06	0	0	0	0	0	1	0	0	0	1	1	373
Nov-06	0	0	0	0	0	0	1	0	0	1	1	374
Dec-06	0	0	0	0	0	0	0	1	0	1	1	375
Jan-07	0	0	0	0	0	0	0	0	0	1	1	376
Feb-07	0	0	0	0	0	0	0	0	0	1	1	377
Mar-07	0	0	0	0	0	0	0	0	0	1	1	378
Apr-07	0	0	0	0	0	0	0	0	0	1	1	379
May-07	1	0	0	0	0	0	0	0	0	1	1	380
Jun-07	0	1	0	0	0	0	0	0	0	1	1	381
Jul-07	0	0	1	0	0	0	0	0	0	1	1	382
Aug-07	0	0	0	1	0	0	0	0	0	1	1	383
Sep-07	0	0	0	0	1	0	0	0	0	1	1	384
Oct-07	0	0	0	0	0	1	0	0	0	1	1	385
Nov-07	0	0	0	0	0	0	1	0	0	1	1	386
Dec-07	0	0	0	0	0	0	0	1	0	1	1	387
Jan-08	0	0	0	0	0	0	0	0	0	1	1	388
Feb-08	0	0	0	0	0	0	0	0	0	1	1	389
Mar-08	0	0	0	0	0	0	0	0	0	1	1	390
Apr-08	0	0	0	0	0	0	0	0	0	1	1	391
May-08	1	0	0	0	0	0	0	0	0	1	1	392
Jun-08	0	1	0	0	0	0	0	0	0	1	1	393
Jul-08	0	0	1	0	0	0	0	0	0	1	1	394
Aug-08	0	0	0	1	0	0	0	0	0	1	1	395
Sep-08	0	0	0	0	1	0	0	0	0	1	1	396
Oct-08	0	0	0	0	0	1	0	0	0	1	1	397
Nov-08	0	0	0	0	0	0	1	0	0	1	1	398
Dec-08	0	0	0	0	0	0	0	1	0	1	1	399
Jan-09	0	0	0	0	0	0	0	0	0	1	1	400
Feb-09	0	0	0	0	0	0	0	0	0	1	1	401
Mar-09	0	0	0	0	0	0	0	0	0	1	1	402

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables											
	Monthly Values of Binary Variables											
Month	Bmay	Bjune	Bjul	Baug	Bsep	Boct	Bnov	Bdec	Bin1	Bin2	SouthC	Trend
Apr-09	0	0	0	0	0	0	0	0	0	1	1	403
May-09	1	0	0	0	0	0	0	0	0	1	1	404
Jun-09	0	1	0	0	0	0	0	0	0	1	1	405
Jul-09	0	0	1	0	0	0	0	0	0	1	1	406
Aug-09	0	0	0	1	0	0	0	0	0	1	1	407
Sep-09	0	0	0	0	1	0	0	0	0	1	1	408
Oct-09	0	0	0	0	0	1	0	0	0	1	1	409
Nov-09	0	0	0	0	0	0	1	0	0	1	1	410
Dec-09	0	0	0	0	0	0	0	1	0	1	1	411
Jan-10	0	0	0	0	0	0	0	0	0	1	1	412
Feb-10	0	0	0	0	0	0	0	0	0	1	1	413
Mar-10	0	0	0	0	0	0	0	0	0	1	1	414
Apr-10	0	0	0	0	0	0	0	0	0	1	1	415
May-10	1	0	0	0	0	0	0	0	0	1	1	416
Jun-10	0	1	0	0	0	0	0	0	0	1	1	417
Jul-10	0	0	1	0	0	0	0	0	0	1	1	418
Aug-10	0	0	0	1	0	0	0	0	0	1	1	419
Sep-10	0	0	0	0	1	0	0	0	0	1	1	420
Oct-10	0	0	0	0	0	1	0	0	0	1	1	421
Nov-10	0	0	0	0	0	0	1	0	0	1	1	422
Dec-10	0	0	0	0	0	0	0	1	0	1	1	423
Jan-11	0	0	0	0	0	0	0	0	0	1	1	424
Feb-11	0	0	0	0	0	0	0	0	0	1	1	425
Mar-11	0	0	0	0	0	0	0	0	0	1	1	426
Apr-11	0	0	0	0	0	0	0	0	0	1	1	427
May-11	1	0	0	0	0	0	0	0	0	1	1	428
Jun-11	0	1	0	0	0	0	0	0	0	1	1	429
Jul-11	0	0	1	0	0	0	0	0	0	1	1	430
Aug-11	0	0	0	1	0	0	0	0	0	1	1	431
Sep-11	0	0	0	0	1	0	0	0	0	1	1	432
Oct-11	0	0	0	0	0	1	0	0	0	1	1	433
Nov-11	0	0	0	0	0	0	1	0	0	1	1	434
Dec-11	0	0	0	0	0	0	0	1	0	1	1	435
Jan-12	0	0	0	0	0	0	0	0	0	1	1	436
Feb-12	0	0	0	0	0	0	0	0	0	1	1	437
Mar-12	0	0	0	0	0	0	0	0	0	1	1	438
Apr-12	0	0	0	0	0	0	0	0	0	1	1	439
May-12	1	0	0	0	0	0	0	0	0	1	1	440
Jun-12	0	1	0	0	0	0	0	0	0	1	1	441
Jul-12	0	0	1	0	0	0	0	0	0	1	1	442
Aug-12	0	0	0	1	0	0	0	0	0	1	1	443
Sep-12	0	0	0	0	1	0	0	0	0	1	1	444
Oct-12	0	0	0	0	0	1	0	0	0	1	1	445
Nov-12	0	0	0	0	0	0	1	0	0	1	1	446
Dec-12	0	0	0	0	0	0	0	1	0	1	1	447
Jan-13	0	0	0	0	0	0	0	0	0	1	1	448
Feb-13	0	0	0	0	0	0	0	0	0	1	1	449
Mar-13	0	0	0	0	0	0	0	0	0	1	1	450
Apr-13	0	0	0	0	0	0	0	0	0	1	1	451
May-13	1	0	0	0	0	0	0	0	0	1	1	452
Jun-13	0	1	0	0	0	0	0	0	0	1	1	453
Jul-13	0	0	1	0	0	0	0	0	0	1	1	454
Aug-13	0	0	0	1	0	0	0	0	0	1	1	455
Sep-13	0	0	0	0	1	0	0	0	0	1	1	456
Oct-13	0	0	0	0	0	1	0	0	0	1	1	457
Nov-13	0	0	0	0	0	0	1	0	0	1	1	458
Dec-13	0	0	0	0	0	0	0	1	0	1	1	459

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables											
	Monthly Values of Binary Variables											
Month	Bmay	Bjune	Bjul	Baug	Bsep	Boct	Bnov	Bdec	Bin1	Bin2	SouthC	Trend
Jan-14	0	0	0	0	0	0	0	0	0	1	1	460
Feb-14	0	0	0	0	0	0	0	0	0	1	1	461
Mar-14	0	0	0	0	0	0	0	0	0	1	1	462
Apr-14	0	0	0	0	0	0	0	0	0	1	1	463
May-14	1	0	0	0	0	0	0	0	0	1	1	464
Jun-14	0	1	0	0	0	0	0	0	0	1	1	465
Jul-14	0	0	1	0	0	0	0	0	0	1	1	466
Aug-14	0	0	0	1	0	0	0	0	0	1	1	467
Sep-14	0	0	0	0	1	0	0	0	0	1	1	468
Oct-14	0	0	0	0	0	1	0	0	0	1	1	469
Nov-14	0	0	0	0	0	0	1	0	0	1	1	470
Dec-14	0	0	0	0	0	0	0	1	0	1	1	471
Jan-15	0	0	0	0	0	0	0	0	0	1	1	472
Feb-15	0	0	0	0	0	0	0	0	0	1	1	473
Mar-15	0	0	0	0	0	0	0	0	0	1	1	474
Apr-15	0	0	0	0	0	0	0	0	0	1	1	475
May-15	1	0	0	0	0	0	0	0	0	1	1	476
Jun-15	0	1	0	0	0	0	0	0	0	1	1	477
Jul-15	0	0	1	0	0	0	0	0	0	1	1	478
Aug-15	0	0	0	1	0	0	0	0	0	1	1	479
Sep-15	0	0	0	0	1	0	0	0	0	1	1	480
Oct-15	0	0	0	0	0	1	0	0	0	1	1	481
Nov-15	0	0	0	0	0	0	1	0	0	1	1	482
Dec-15	0	0	0	0	0	0	0	1	0	1	1	483
Jan-16	0	0	0	0	0	0	0	0	0	1	1	484
Feb-16	0	0	0	0	0	0	0	0	0	1	1	485
Mar-16	0	0	0	0	0	0	0	0	0	1	1	486
Apr-16	0	0	0	0	0	0	0	0	0	1	1	487
May-16	1	0	0	0	0	0	0	0	0	1	1	488
Jun-16	0	1	0	0	0	0	0	0	0	1	1	489
Jul-16	0	0	1	0	0	0	0	0	0	1	1	490
Aug-16	0	0	0	1	0	0	0	0	0	1	1	491
Sep-16	0	0	0	0	1	0	0	0	0	1	1	492
Oct-16	0	0	0	0	0	1	0	0	0	1	1	493
Nov-16	0	0	0	0	0	0	1	0	0	1	1	494
Dec-16	0	0	0	0	0	0	0	1	0	1	1	495
Jan-17	0	0	0	0	0	0	0	0	0	1	1	496
Feb-17	0	0	0	0	0	0	0	0	0	1	1	497
Mar-17	0	0	0	0	0	0	0	0	0	1	1	498
Apr-17	0	0	0	0	0	0	0	0	0	1	1	499
May-17	1	0	0	0	0	0	0	0	0	1	1	500
Jun-17	0	1	0	0	0	0	0	0	0	1	1	501
Jul-17	0	0	1	0	0	0	0	0	0	1	1	502
Aug-17	0	0	0	1	0	0	0	0	0	1	1	503
Sep-17	0	0	0	0	1	0	0	0	0	1	1	504
Oct-17	0	0	0	0	0	1	0	0	0	1	1	505
Nov-17	0	0	0	0	0	0	1	0	0	1	1	506
Dec-17	0	0	0	0	0	0	0	1	0	1	1	507
Jan-18	0	0	0	0	0	0	0	0	0	1	1	508
Feb-18	0	0	0	0	0	0	0	0	0	1	1	509
Mar-18	0	0	0	0	0	0	0	0	0	1	1	510
Apr-18	0	0	0	0	0	0	0	0	0	1	1	511
May-18	1	0	0	0	0	0	0	0	0	1	1	512
Jun-18	0	1	0	0	0	0	0	0	0	1	1	513
Jul-18	0	0	1	0	0	0	0	0	0	1	1	514
Aug-18	0	0	0	1	0	0	0	0	0	1	1	515
Sep-18	0	0	0	0	1	0	0	0	0	1	1	516

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables											
	Monthly Values of Binary Variables											
Month	Bmay	Bjune	Bjul	Baug	Bsep	Boct	Bnov	Bdec	Bin1	Bin2	SouthC	Trend
Oct-18	0	0	0	0	0	1	0	0	0	1	1	517
Nov-18	0	0	0	0	0	0	1	0	0	1	1	518
Dec-18	0	0	0	0	0	0	0	1	0	1	1	519
Jan-19	0	0	0	0	0	0	0	0	0	1	1	520
Feb-19	0	0	0	0	0	0	0	0	0	1	1	521
Mar-19	0	0	0	0	0	0	0	0	0	1	1	522
Apr-19	0	0	0	0	0	0	0	0	0	1	1	523
May-19	1	0	0	0	0	0	0	0	0	1	1	524
Jun-19	0	1	0	0	0	0	0	0	0	1	1	525
Jul-19	0	0	1	0	0	0	0	0	0	1	1	526
Aug-19	0	0	0	1	0	0	0	0	0	1	1	527
Sep-19	0	0	0	0	1	0	0	0	0	1	1	528
Oct-19	0	0	0	0	0	1	0	0	0	1	1	529
Nov-19	0	0	0	0	0	0	1	0	0	1	1	530
Dec-19	0	0	0	0	0	0	0	1	0	1	1	531
Jan-20	0	0	0	0	0	0	0	0	0	1	1	532
Feb-20	0	0	0	0	0	0	0	0	0	1	1	533
Mar-20	0	0	0	0	0	0	0	0	0	1	1	534
Apr-20	0	0	0	0	0	0	0	0	0	1	1	535
May-20	1	0	0	0	0	0	0	0	0	1	1	536
Jun-20	0	1	0	0	0	0	0	0	0	1	1	537
Jul-20	0	0	1	0	0	0	0	0	0	1	1	538
Aug-20	0	0	0	1	0	0	0	0	0	1	1	539
Sep-20	0	0	0	0	1	0	0	0	0	1	1	540
Oct-20	0	0	0	0	0	1	0	0	0	1	1	541
Nov-20	0	0	0	0	0	0	1	0	0	1	1	542
Dec-20	0	0	0	0	0	0	0	1	0	1	1	543
Jan-21	0	0	0	0	0	0	0	0	0	1	1	544
Feb-21	0	0	0	0	0	0	0	0	0	1	1	545
Mar-21	0	0	0	0	0	0	0	0	0	1	1	546
Apr-21	0	0	0	0	0	0	0	0	0	1	1	547
May-21	1	0	0	0	0	0	0	0	0	1	1	548
Jun-21	0	1	0	0	0	0	0	0	0	1	1	549
Jul-21	0	0	1	0	0	0	0	0	0	1	1	550
Aug-21	0	0	0	1	0	0	0	0	0	1	1	551
Sep-21	0	0	0	0	1	0	0	0	0	1	1	552
Oct-21	0	0	0	0	0	1	0	0	0	1	1	553
Nov-21	0	0	0	0	0	0	1	0	0	1	1	554
Dec-21	0	0	0	0	0	0	0	1	0	1	1	555
Jan-22	0	0	0	0	0	0	0	0	0	1	1	556
Feb-22	0	0	0	0	0	0	0	0	0	1	1	557
Mar-22	0	0	0	0	0	0	0	0	0	1	1	558
Apr-22	0	0	0	0	0	0	0	0	0	1	1	559
May-22	1	0	0	0	0	0	0	0	0	1	1	560
Jun-22	0	1	0	0	0	0	0	0	0	1	1	561
Jul-22	0	0	1	0	0	0	0	0	0	1	1	562
Aug-22	0	0	0	1	0	0	0	0	0	1	1	563
Sep-22	0	0	0	0	1	0	0	0	0	1	1	564
Oct-22	0	0	0	0	0	1	0	0	0	1	1	565
Nov-22	0	0	0	0	0	0	1	0	0	1	1	566
Dec-22	0	0	0	0	0	0	0	1	0	1	1	567
Jan-23	0	0	0	0	0	0	0	0	0	1	1	568
Feb-23	0	0	0	0	0	0	0	0	0	1	1	569
Mar-23	0	0	0	0	0	0	0	0	0	1	1	570
Apr-23	0	0	0	0	0	0	0	0	0	1	1	571
May-23	1	0	0	0	0	0	0	0	0	1	1	572
Jun-23	0	1	0	0	0	0	0	0	0	1	1	573

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables											
	Monthly Values of Binary Variables											
Month	Bmay	Bjune	Bjul	Baug	Bsep	Boct	Bnov	Bdec	Bin1	Bin2	SouthC	Trend
Jul-23	0	0	1	0	0	0	0	0	0	1	1	574
Aug-23	0	0	0	1	0	0	0	0	0	1	1	575
Sep-23	0	0	0	0	1	0	0	0	0	1	1	576
Oct-23	0	0	0	0	0	1	0	0	0	1	1	577
Nov-23	0	0	0	0	0	0	1	0	0	1	1	578
Dec-23	0	0	0	0	0	0	0	1	0	1	1	579
Jan-24	0	0	0	0	0	0	0	0	0	1	1	580
Feb-24	0	0	0	0	0	0	0	0	0	1	1	581
Mar-24	0	0	0	0	0	0	0	0	0	1	1	582
Apr-24	0	0	0	0	0	0	0	0	0	1	1	583
May-24	1	0	0	0	0	0	0	0	0	1	1	584
Jun-24	0	1	0	0	0	0	0	0	0	1	1	585
Jul-24	0	0	1	0	0	0	0	0	0	1	1	586
Aug-24	0	0	0	1	0	0	0	0	0	1	1	587
Sep-24	0	0	0	0	1	0	0	0	0	1	1	588
Oct-24	0	0	0	0	0	1	0	0	0	1	1	589
Nov-24	0	0	0	0	0	0	1	0	0	1	1	590
Dec-24	0	0	0	0	0	0	0	1	0	1	1	591
Jan-25	0	0	0	0	0	0	0	0	0	1	1	592
Feb-25	0	0	0	0	0	0	0	0	0	1	1	593
Mar-25	0	0	0	0	0	0	0	0	0	1	1	594
Apr-25	0	0	0	0	0	0	0	0	0	1	1	595
May-25	1	0	0	0	0	0	0	0	0	1	1	596
Jun-25	0	1	0	0	0	0	0	0	0	1	1	597
Jul-25	0	0	1	0	0	0	0	0	0	1	1	598
Aug-25	0	0	0	1	0	0	0	0	0	1	1	599
Sep-25	0	0	0	0	1	0	0	0	0	1	1	600
Oct-25	0	0	0	0	0	1	0	0	0	1	1	601
Nov-25	0	0	0	0	0	0	1	0	0	1	1	602
Dec-25	0	0	0	0	0	0	0	1	0	1	1	603
Jan-26	0	0	0	0	0	0	0	0	0	1	1	604
Feb-26	0	0	0	0	0	0	0	0	0	1	1	605
Mar-26	0	0	0	0	0	0	0	0	0	1	1	606
Apr-26	0	0	0	0	0	0	0	0	0	1	1	607
May-26	1	0	0	0	0	0	0	0	0	1	1	608
Jun-26	0	1	0	0	0	0	0	0	0	1	1	609
Jul-26	0	0	1	0	0	0	0	0	0	1	1	610
Aug-26	0	0	0	1	0	0	0	0	0	1	1	611
Sep-26	0	0	0	0	1	0	0	0	0	1	1	612
Oct-26	0	0	0	0	0	1	0	0	0	1	1	613
Nov-26	0	0	0	0	0	0	1	0	0	1	1	614
Dec-26	0	0	0	0	0	0	0	1	0	1	1	615
Jan-27	0	0	0	0	0	0	0	0	0	1	1	616
Feb-27	0	0	0	0	0	0	0	0	0	1	1	617
Mar-27	0	0	0	0	0	0	0	0	0	1	1	618
Apr-27	0	0	0	0	0	0	0	0	0	1	1	619
May-27	1	0	0	0	0	0	0	0	0	1	1	620
Jun-27	0	1	0	0	0	0	0	0	0	1	1	621
Jul-27	0	0	1	0	0	0	0	0	0	1	1	622
Aug-27	0	0	0	1	0	0	0	0	0	1	1	623
Sep-27	0	0	0	0	1	0	0	0	0	1	1	624
Oct-27	0	0	0	0	0	1	0	0	0	1	1	625
Nov-27	0	0	0	0	0	0	1	0	0	1	1	626
Dec-27	0	0	0	0	0	0	0	1	0	1	1	627
Jan-28	0	0	0	0	0	0	0	0	0	1	1	628
Feb-28	0	0	0	0	0	0	0	0	0	1	1	629
Mar-28	0	0	0	0	0	0	0	0	0	1	1	630

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables											
	Monthly Values of Binary Variables											
Month	Bmay	Bjune	Bjul	Baug	Bsep	Boct	Bnov	Bdec	Bin1	Bin2	SouthC	Trend
Apr-28	0	0	0	0	0	0	0	0	0	1	1	631
May-28	1	0	0	0	0	0	0	0	0	1	1	632
Jun-28	0	1	0	0	0	0	0	0	0	1	1	633
Jul-28	0	0	1	0	0	0	0	0	0	1	1	634
Aug-28	0	0	0	1	0	0	0	0	0	1	1	635
Sep-28	0	0	0	0	1	0	0	0	0	1	1	636
Oct-28	0	0	0	0	0	1	0	0	0	1	1	637
Nov-28	0	0	0	0	0	0	1	0	0	1	1	638
Dec-28	0	0	0	0	0	0	0	1	0	1	1	639
Jan-29	0	0	0	0	0	0	0	0	0	1	1	640
Feb-29	0	0	0	0	0	0	0	0	0	1	1	641
Mar-29	0	0	0	0	0	0	0	0	0	1	1	642
Apr-29	0	0	0	0	0	0	0	0	0	1	1	643
May-29	1	0	0	0	0	0	0	0	0	1	1	644
Jun-29	0	1	0	0	0	0	0	0	0	1	1	645
Jul-29	0	0	1	0	0	0	0	0	0	1	1	646
Aug-29	0	0	0	1	0	0	0	0	0	1	1	647
Sep-29	0	0	0	0	1	0	0	0	0	1	1	648
Oct-29	0	0	0	0	0	1	0	0	0	1	1	649
Nov-29	0	0	0	0	0	0	1	0	0	1	1	650
Dec-29	0	0	0	0	0	0	0	1	0	1	1	651
Jan-30	0	0	0	0	0	0	0	0	0	1	1	652
Feb-30	0	0	0	0	0	0	0	0	0	1	1	653
Mar-30	0	0	0	0	0	0	0	0	0	1	1	654
Apr-30	0	0	0	0	0	0	0	0	0	1	1	655
May-30	1	0	0	0	0	0	0	0	0	1	1	656
Jun-30	0	1	0	0	0	0	0	0	0	1	1	657
Jul-30	0	0	1	0	0	0	0	0	0	1	1	658
Aug-30	0	0	0	1	0	0	0	0	0	1	1	659
Sep-30	0	0	0	0	1	0	0	0	0	1	1	660
Oct-30	0	0	0	0	0	1	0	0	0	1	1	661
Nov-30	0	0	0	0	0	0	1	0	0	1	1	662
Dec-30	0	0	0	0	0	0	0	1	0	1	1	663
Jan-31	0	0	0	0	0	0	0	0	0	1	1	664
Feb-31	0	0	0	0	0	0	0	0	0	1	1	665
Mar-31	0	0	0	0	0	0	0	0	0	1	1	666
Apr-31	0	0	0	0	0	0	0	0	0	1	1	667
May-31	1	0	0	0	0	0	0	0	0	1	1	668
Jun-31	0	1	0	0	0	0	0	0	0	1	1	669
Jul-31	0	0	1	0	0	0	0	0	0	1	1	670
Aug-31	0	0	0	1	0	0	0	0	0	1	1	671
Sep-31	0	0	0	0	1	0	0	0	0	1	1	672
Oct-31	0	0	0	0	0	1	0	0	0	1	1	673
Nov-31	0	0	0	0	0	0	1	0	0	1	1	674
Dec-31	0	0	0	0	0	0	0	1	0	1	1	675
Jan-32	0	0	0	0	0	0	0	0	0	1	1	676
Feb-32	0	0	0	0	0	0	0	0	0	1	1	677
Mar-32	0	0	0	0	0	0	0	0	0	1	1	678
Apr-32	0	0	0	0	0	0	0	0	0	1	1	679
May-32	1	0	0	0	0	0	0	0	0	1	1	680
Jun-32	0	1	0	0	0	0	0	0	0	1	1	681
Jul-32	0	0	1	0	0	0	0	0	0	1	1	682
Aug-32	0	0	0	1	0	0	0	0	0	1	1	683
Sep-32	0	0	0	0	1	0	0	0	0	1	1	684
Oct-32	0	0	0	0	0	1	0	0	0	1	1	685
Nov-32	0	0	0	0	0	0	1	0	0	1	1	686
Dec-32	0	0	0	0	0	0	0	1	0	1	1	687

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables											
	Monthly Values of Binary Variables											
Month	Bmay	Bjune	Bjul	Baug	Bsep	Boct	Bnov	Bdec	Bin1	Bin2	SouthC	Trend
Jan-33	0	0	0	0	0	0	0	0	0	1	1	688
Feb-33	0	0	0	0	0	0	0	0	0	1	1	689
Mar-33	0	0	0	0	0	0	0	0	0	1	1	690
Apr-33	0	0	0	0	0	0	0	0	0	1	1	691
May-33	1	0	0	0	0	0	0	0	0	1	1	692
Jun-33	0	1	0	0	0	0	0	0	0	1	1	693
Jul-33	0	0	1	0	0	0	0	0	0	1	1	694
Aug-33	0	0	0	1	0	0	0	0	0	1	1	695
Sep-33	0	0	0	0	1	0	0	0	0	1	1	696
Oct-33	0	0	0	0	0	1	0	0	0	1	1	697
Nov-33	0	0	0	0	0	0	1	0	0	1	1	698
Dec-33	0	0	0	0	0	0	0	1	0	1	1	699
Jan-34	0	0	0	0	0	0	0	0	0	1	1	700
Feb-34	0	0	0	0	0	0	0	0	0	1	1	701
Mar-34	0	0	0	0	0	0	0	0	0	1	1	702
Apr-34	0	0	0	0	0	0	0	0	0	1	1	703
May-34	1	0	0	0	0	0	0	0	0	1	1	704
Jun-34	0	1	0	0	0	0	0	0	0	1	1	705
Jul-34	0	0	1	0	0	0	0	0	0	1	1	706
Aug-34	0	0	0	1	0	0	0	0	0	1	1	707
Sep-34	0	0	0	0	1	0	0	0	0	1	1	708
Oct-34	0	0	0	0	0	1	0	0	0	1	1	709
Nov-34	0	0	0	0	0	0	1	0	0	1	1	710
Dec-34	0	0	0	0	0	0	0	1	0	1	1	711
Jan-35	0	0	0	0	0	0	0	0	0	1	1	712
Feb-35	0	0	0	0	0	0	0	0	0	1	1	713
Mar-35	0	0	0	0	0	0	0	0	0	1	1	714
Apr-35	0	0	0	0	0	0	0	0	0	1	1	715
May-35	1	0	0	0	0	0	0	0	0	1	1	716
Jun-35	0	1	0	0	0	0	0	0	0	1	1	717
Jul-35	0	0	1	0	0	0	0	0	0	1	1	718
Aug-35	0	0	0	1	0	0	0	0	0	1	1	719
Sep-35	0	0	0	0	1	0	0	0	0	1	1	720
Oct-35	0	0	0	0	0	1	0	0	0	1	1	721
Nov-35	0	0	0	0	0	0	1	0	0	1	1	722
Dec-35	0	0	0	0	0	0	0	1	0	1	1	723
Jan-36	0	0	0	0	0	0	0	0	0	1	1	724
Feb-36	0	0	0	0	0	0	0	0	0	1	1	725
Mar-36	0	0	0	0	0	0	0	0	0	1	1	726
Apr-36	0	0	0	0	0	0	0	0	0	1	1	727
May-36	1	0	0	0	0	0	0	0	0	1	1	728
Jun-36	0	1	0	0	0	0	0	0	0	1	1	729
Jul-36	0	0	1	0	0	0	0	0	0	1	1	730
Aug-36	0	0	0	1	0	0	0	0	0	1	1	731
Sep-36	0	0	0	0	1	0	0	0	0	1	1	732
Oct-36	0	0	0	0	0	1	0	0	0	1	1	733
Nov-36	0	0	0	0	0	0	1	0	0	1	1	734
Dec-36	0	0	0	0	0	0	0	1	0	1	1	735
Jan-37	0	0	0	0	0	0	0	0	0	1	1	736
Feb-37	0	0	0	0	0	0	0	0	0	1	1	737
Mar-37	0	0	0	0	0	0	0	0	0	1	1	738
Apr-37	0	0	0	0	0	0	0	0	0	1	1	739
May-37	1	0	0	0	0	0	0	0	0	1	1	740
Jun-37	0	1	0	0	0	0	0	0	0	1	1	741
Jul-37	0	0	1	0	0	0	0	0	0	1	1	742
Aug-37	0	0	0	1	0	0	0	0	0	1	1	743
Sep-37	0	0	0	0	1	0	0	0	0	1	1	744

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables											
	Monthly Values of Binary Variables											
Month	Bmay	Bjune	Bjul	Baug	Bsep	Boct	Bnov	Bdec	Bin1	Bin2	SouthC	Trend
Oct-37	0	0	0	0	0	1	0	0	0	1	1	745
Nov-37	0	0	0	0	0	0	1	0	0	1	1	746
Dec-37	0	0	0	0	0	0	0	1	0	1	1	747
Jan-38	0	0	0	0	0	0	0	0	0	1	1	748
Feb-38	0	0	0	0	0	0	0	0	0	1	1	749
Mar-38	0	0	0	0	0	0	0	0	0	1	1	750
Apr-38	0	0	0	0	0	0	0	0	0	1	1	751
May-38	1	0	0	0	0	0	0	0	0	1	1	752
Jun-38	0	1	0	0	0	0	0	0	0	1	1	753
Jul-38	0	0	1	0	0	0	0	0	0	1	1	754
Aug-38	0	0	0	1	0	0	0	0	0	1	1	755
Sep-38	0	0	0	0	1	0	0	0	0	1	1	756
Oct-38	0	0	0	0	0	1	0	0	0	1	1	757
Nov-38	0	0	0	0	0	0	1	0	0	1	1	758
Dec-38	0	0	0	0	0	0	0	1	0	1	1	759
Jan-39	0	0	0	0	0	0	0	0	0	1	1	760
Feb-39	0	0	0	0	0	0	0	0	0	1	1	761
Mar-39	0	0	0	0	0	0	0	0	0	1	1	762
Apr-39	0	0	0	0	0	0	0	0	0	1	1	763
May-39	1	0	0	0	0	0	0	0	0	1	1	764
Jun-39	0	1	0	0	0	0	0	0	0	1	1	765
Jul-39	0	0	1	0	0	0	0	0	0	1	1	766
Aug-39	0	0	0	1	0	0	0	0	0	1	1	767
Sep-39	0	0	0	0	1	0	0	0	0	1	1	768
Oct-39	0	0	0	0	0	1	0	0	0	1	1	769
Nov-39	0	0	0	0	0	0	1	0	0	1	1	770
Dec-39	0	0	0	0	0	0	0	1	0	1	1	771
Jan-40	0	0	0	0	0	0	0	0	0	1	1	772
Feb-40	0	0	0	0	0	0	0	0	0	1	1	773
Mar-40	0	0	0	0	0	0	0	0	0	1	1	774
Apr-40	0	0	0	0	0	0	0	0	0	1	1	775
May-40	1	0	0	0	0	0	0	0	0	1	1	776
Jun-40	0	1	0	0	0	0	0	0	0	1	1	777
Jul-40	0	0	1	0	0	0	0	0	0	1	1	778
Aug-40	0	0	0	1	0	0	0	0	0	1	1	779
Sep-40	0	0	0	0	1	0	0	0	0	1	1	780
Oct-40	0	0	0	0	0	1	0	0	0	1	1	781
Nov-40	0	0	0	0	0	0	1	0	0	1	1	782
Dec-40	0	0	0	0	0	0	0	1	0	1	1	783
Jan-41	0	0	0	0	0	0	0	0	0	1	1	784
Feb-41	0	0	0	0	0	0	0	0	0	1	1	785
Mar-41	0	0	0	0	0	0	0	0	0	1	1	786
Apr-41	0	0	0	0	0	0	0	0	0	1	1	787
May-41	1	0	0	0	0	0	0	0	0	1	1	788
Jun-41	0	1	0	0	0	0	0	0	0	1	1	789
Jul-41	0	0	1	0	0	0	0	0	0	1	1	790
Aug-41	0	0	0	1	0	0	0	0	0	1	1	791
Sep-41	0	0	0	0	1	0	0	0	0	1	1	792
Oct-41	0	0	0	0	0	1	0	0	0	1	1	793
Nov-41	0	0	0	0	0	0	1	0	0	1	1	794
Dec-41	0	0	0	0	0	0	0	1	0	1	1	795
Jan-42	0	0	0	0	0	0	0	0	0	1	1	796
Feb-42	0	0	0	0	0	0	0	0	0	1	1	797
Mar-42	0	0	0	0	0	0	0	0	0	1	1	798
Apr-42	0	0	0	0	0	0	0	0	0	1	1	799
May-42	1	0	0	0	0	0	0	0	0	1	1	800
Jun-42	0	1	0	0	0	0	0	0	0	1	1	801

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables											
	Monthly Values of Binary Variables											
Month	Bmay	Bjune	Bjul	Baug	Bsep	Boct	Bnov	Bdec	Bin1	Bin2	SouthC	Trend
Jul-42	0	0	1	0	0	0	0	0	0	1	1	802
Aug-42	0	0	0	1	0	0	0	0	0	1	1	803
Sep-42	0	0	0	0	1	0	0	0	0	1	1	804
Oct-42	0	0	0	0	0	1	0	0	0	1	1	805
Nov-42	0	0	0	0	0	0	1	0	0	1	1	806
Dec-42	0	0	0	0	0	0	0	1	0	1	1	807
Jan-43	0	0	0	0	0	0	0	0	0	1	1	808
Feb-43	0	0	0	0	0	0	0	0	0	1	1	809
Mar-43	0	0	0	0	0	0	0	0	0	1	1	810
Apr-43	0	0	0	0	0	0	0	0	0	1	1	811
May-43	1	0	0	0	0	0	0	0	0	1	1	812
Jun-43	0	1	0	0	0	0	0	0	0	1	1	813
Jul-43	0	0	1	0	0	0	0	0	0	1	1	814
Aug-43	0	0	0	1	0	0	0	0	0	1	1	815
Sep-43	0	0	0	0	1	0	0	0	0	1	1	816
Oct-43	0	0	0	0	0	1	0	0	0	1	1	817
Nov-43	0	0	0	0	0	0	1	0	0	1	1	818
Dec-43	0	0	0	0	0	0	0	1	0	1	1	819
Jan-44	0	0	0	0	0	0	0	0	0	1	1	820
Feb-44	0	0	0	0	0	0	0	0	0	1	1	821
Mar-44	0	0	0	0	0	0	0	0	0	1	1	822
Apr-44	0	0	0	0	0	0	0	0	0	1	1	823
May-44	1	0	0	0	0	0	0	0	0	1	1	824
Jun-44	0	1	0	0	0	0	0	0	0	1	1	825
Jul-44	0	0	1	0	0	0	0	0	0	1	1	826
Aug-44	0	0	0	1	0	0	0	0	0	1	1	827
Sep-44	0	0	0	0	1	0	0	0	0	1	1	828
Oct-44	0	0	0	0	0	1	0	0	0	1	1	829
Nov-44	0	0	0	0	0	0	1	0	0	1	1	830
Dec-44	0	0	0	0	0	0	0	1	0	1	1	831
Jan-45	0	0	0	0	0	0	0	0	0	1	1	832
Feb-45	0	0	0	0	0	0	0	0	0	1	1	833
Mar-45	0	0	0	0	0	0	0	0	0	1	1	834
Apr-45	0	0	0	0	0	0	0	0	0	1	1	835
May-45	1	0	0	0	0	0	0	0	0	1	1	836
Jun-45	0	1	0	0	0	0	0	0	0	1	1	837
Jul-45	0	0	1	0	0	0	0	0	0	1	1	838
Aug-45	0	0	0	1	0	0	0	0	0	1	1	839
Sep-45	0	0	0	0	1	0	0	0	0	1	1	840
Oct-45	0	0	0	0	0	1	0	0	0	1	1	841
Nov-45	0	0	0	0	0	0	1	0	0	1	1	842
Dec-45	0	0	0	0	0	0	0	1	0	1	1	843
Jan-46	0	0	0	0	0	0	0	0	0	1	1	844
Feb-46	0	0	0	0	0	0	0	0	0	1	1	845
Mar-46	0	0	0	0	0	0	0	0	0	1	1	846
Apr-46	0	0	0	0	0	0	0	0	0	1	1	847
May-46	1	0	0	0	0	0	0	0	0	1	1	848
Jun-46	0	1	0	0	0	0	0	0	0	1	1	849
Jul-46	0	0	1	0	0	0	0	0	0	1	1	850
Aug-46	0	0	0	1	0	0	0	0	0	1	1	851
Sep-46	0	0	0	0	1	0	0	0	0	1	1	852
Oct-46	0	0	0	0	0	1	0	0	0	1	1	853
Nov-46	0	0	0	0	0	0	1	0	0	1	1	854
Dec-46	0	0	0	0	0	0	0	1	0	1	1	855
Jan-47	0	0	0	0	0	0	0	0	0	1	1	856
Feb-47	0	0	0	0	0	0	0	0	0	1	1	857
Mar-47	0	0	0	0	0	0	0	0	0	1	1	858

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables											
	Monthly Values of Binary Variables											
Month	Bmay	Bjune	Bjul	Baug	Bsep	Boct	Bnov	Bdec	Bin1	Bin2	SouthC	Trend
Apr-47	0	0	0	0	0	0	0	0	0	1	1	859
May-47	1	0	0	0	0	0	0	0	0	1	1	860
Jun-47	0	1	0	0	0	0	0	0	0	1	1	861
Jul-47	0	0	1	0	0	0	0	0	0	1	1	862
Aug-47	0	0	0	1	0	0	0	0	0	1	1	863
Sep-47	0	0	0	0	1	0	0	0	0	1	1	864
Oct-47	0	0	0	0	0	1	0	0	0	1	1	865
Nov-47	0	0	0	0	0	0	1	0	0	1	1	866
Dec-47	0	0	0	0	0	0	0	1	0	1	1	867
Jan-48	0	0	0	0	0	0	0	0	0	1	1	868
Feb-48	0	0	0	0	0	0	0	0	0	1	1	869
Mar-48	0	0	0	0	0	0	0	0	0	1	1	870
Apr-48	0	0	0	0	0	0	0	0	0	1	1	871
May-48	1	0	0	0	0	0	0	0	0	1	1	872
Jun-48	0	1	0	0	0	0	0	0	0	1	1	873
Jul-48	0	0	1	0	0	0	0	0	0	1	1	874
Aug-48	0	0	0	1	0	0	0	0	0	1	1	875
Sep-48	0	0	0	0	1	0	0	0	0	1	1	876
Oct-48	0	0	0	0	0	1	0	0	0	1	1	877
Nov-48	0	0	0	0	0	0	1	0	0	1	1	878
Dec-48	0	0	0	0	0	0	0	1	0	1	1	879
Jan-49	0	0	0	0	0	0	0	0	0	1	1	880
Feb-49	0	0	0	0	0	0	0	0	0	1	1	881
Mar-49	0	0	0	0	0	0	0	0	0	1	1	882
Apr-49	0	0	0	0	0	0	0	0	0	1	1	883
May-49	1	0	0	0	0	0	0	0	0	1	1	884
Jun-49	0	1	0	0	0	0	0	0	0	1	1	885
Jul-49	0	0	1	0	0	0	0	0	0	1	1	886
Aug-49	0	0	0	1	0	0	0	0	0	1	1	887
Sep-49	0	0	0	0	1	0	0	0	0	1	1	888
Oct-49	0	0	0	0	0	1	0	0	0	1	1	889
Nov-49	0	0	0	0	0	0	1	0	0	1	1	890
Dec-49	0	0	0	0	0	0	0	1	0	1	1	891
Jan-50	0	0	0	0	0	0	0	0	0	1	1	892
Feb-50	0	0	0	0	0	0	0	0	0	1	1	893
Mar-50	0	0	0	0	0	0	0	0	0	1	1	894
Apr-50	0	0	0	0	0	0	0	0	0	1	1	895
May-50	1	0	0	0	0	0	0	0	0	1	1	896
Jun-50	0	1	0	0	0	0	0	0	0	1	1	897
Jul-50	0	0	1	0	0	0	0	0	0	1	1	898
Aug-50	0	0	0	1	0	0	0	0	0	1	1	899
Sep-50	0	0	0	0	1	0	0	0	0	1	1	900
Oct-50	0	0	0	0	0	1	0	0	0	1	1	901
Nov-50	0	0	0	0	0	0	1	0	0	1	1	902
Dec-50	0	0	0	0	0	0	0	1	0	1	1	903
Jan-51	0	0	0	0	0	0	0	0	0	1	1	904
Feb-51	0	0	0	0	0	0	0	0	0	1	1	905
Mar-51	0	0	0	0	0	0	0	0	0	1	1	906
Apr-51	0	0	0	0	0	0	0	0	0	1	1	907
May-51	1	0	0	0	0	0	0	0	0	1	1	908
Jun-51	0	1	0	0	0	0	0	0	0	1	1	909
Jul-51	0	0	1	0	0	0	0	0	0	1	1	910
Aug-51	0	0	0	1	0	0	0	0	0	1	1	911
Sep-51	0	0	0	0	1	0	0	0	0	1	1	912
Oct-51	0	0	0	0	0	1	0	0	0	1	1	913
Nov-51	0	0	0	0	0	0	1	0	0	1	1	914
Dec-51	0	0	0	0	0	0	0	1	0	1	1	915

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables											
	Monthly Values of Binary Variables											
Month	Bmay	Bjune	Bjul	Baug	Bsep	Boct	Bnov	Bdec	Bin1	Bin2	SouthC	Trend
Jan-52	0	0	0	0	0	0	0	0	0	1	1	916
Feb-52	0	0	0	0	0	0	0	0	0	1	1	917
Mar-52	0	0	0	0	0	0	0	0	0	1	1	918
Apr-52	0	0	0	0	0	0	0	0	0	1	1	919
May-52	1	0	0	0	0	0	0	0	0	1	1	920
Jun-52	0	1	0	0	0	0	0	0	0	1	1	921
Jul-52	0	0	1	0	0	0	0	0	0	1	1	922
Aug-52	0	0	0	1	0	0	0	0	0	1	1	923
Sep-52	0	0	0	0	1	0	0	0	0	1	1	924
Oct-52	0	0	0	0	0	1	0	0	0	1	1	925
Nov-52	0	0	0	0	0	0	1	0	0	1	1	926
Dec-52	0	0	0	0	0	0	0	1	0	1	1	927
Jan-53	0	0	0	0	0	0	0	0	0	1	1	928
Feb-53	0	0	0	0	0	0	0	0	0	1	1	929
Mar-53	0	0	0	0	0	0	0	0	0	1	1	930
Apr-53	0	0	0	0	0	0	0	0	0	1	1	931
May-53	1	0	0	0	0	0	0	0	0	1	1	932
Jun-53	0	1	0	0	0	0	0	0	0	1	1	933
Jul-53	0	0	1	0	0	0	0	0	0	1	1	934
Aug-53	0	0	0	1	0	0	0	0	0	1	1	935
Sep-53	0	0	0	0	1	0	0	0	0	1	1	936
Oct-53	0	0	0	0	0	1	0	0	0	1	1	937
Nov-53	0	0	0	0	0	0	1	0	0	1	1	938
Dec-53	0	0	0	0	0	0	0	1	0	1	1	939
Jan-54	0	0	0	0	0	0	0	0	0	1	1	940
Feb-54	0	0	0	0	0	0	0	0	0	1	1	941
Mar-54	0	0	0	0	0	0	0	0	0	1	1	942
Apr-54	0	0	0	0	0	0	0	0	0	1	1	943
May-54	1	0	0	0	0	0	0	0	0	1	1	944
Jun-54	0	1	0	0	0	0	0	0	0	1	1	945
Jul-54	0	0	1	0	0	0	0	0	0	1	1	946
Aug-54	0	0	0	1	0	0	0	0	0	1	1	947
Sep-54	0	0	0	0	1	0	0	0	0	1	1	948
Oct-54	0	0	0	0	0	1	0	0	0	1	1	949
Nov-54	0	0	0	0	0	0	1	0	0	1	1	950
Dec-54	0	0	0	0	0	0	0	1	0	1	1	951
Jan-55	0	0	0	0	0	0	0	0	0	1	1	952
Feb-55	0	0	0	0	0	0	0	0	0	1	1	953
Mar-55	0	0	0	0	0	0	0	0	0	1	1	954
Apr-55	0	0	0	0	0	0	0	0	0	1	1	955
May-55	1	0	0	0	0	0	0	0	0	1	1	956
Jun-55	0	1	0	0	0	0	0	0	0	1	1	957
Jul-55	0	0	1	0	0	0	0	0	0	1	1	958
Aug-55	0	0	0	1	0	0	0	0	0	1	1	959
Sep-55	0	0	0	0	1	0	0	0	0	1	1	960
Oct-55	0	0	0	0	0	1	0	0	0	1	1	961
Nov-55	0	0	0	0	0	0	1	0	0	1	1	962
Dec-55	0	0	0	0	0	0	0	1	0	1	1	963
Jan-56	0	0	0	0	0	0	0	0	0	1	1	964
Feb-56	0	0	0	0	0	0	0	0	0	1	1	965
Mar-56	0	0	0	0	0	0	0	0	0	1	1	966
Apr-56	0	0	0	0	0	0	0	0	0	1	1	967
May-56	1	0	0	0	0	0	0	0	0	1	1	968
Jun-56	0	1	0	0	0	0	0	0	0	1	1	969
Jul-56	0	0	1	0	0	0	0	0	0	1	1	970
Aug-56	0	0	0	1	0	0	0	0	0	1	1	971
Sep-56	0	0	0	0	1	0	0	0	0	1	1	972

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

	Monthly Values of Exogenous Variables											
	Monthly Values of Binary Variables											
Month	Bmay	Bjune	Bjul	Baug	Bsep	Boct	Bnov	Bdec	Bin1	Bin2	SouthC	Trend
Oct-56	0	0	0	0	0	1	0	0	0	1	1	973
Nov-56	0	0	0	0	0	0	1	0	0	1	1	974
Dec-56	0	0	0	0	0	0	0	1	0	1	1	975
Jan-57	0	0	0	0	0	0	0	0	0	1	1	976
Feb-57	0	0	0	0	0	0	0	0	0	1	1	977
Mar-57	0	0	0	0	0	0	0	0	0	1	1	978
Apr-57	0	0	0	0	0	0	0	0	0	1	1	979
May-57	1	0	0	0	0	0	0	0	0	1	1	980
Jun-57	0	1	0	0	0	0	0	0	0	1	1	981
Jul-57	0	0	1	0	0	0	0	0	0	1	1	982
Aug-57	0	0	0	1	0	0	0	0	0	1	1	983
Sep-57	0	0	0	0	1	0	0	0	0	1	1	984
Oct-57	0	0	0	0	0	1	0	0	0	1	1	985
Nov-57	0	0	0	0	0	0	1	0	0	1	1	986
Dec-57	0	0	0	0	0	0	0	1	0	1	1	987
Jan-58	0	0	0	0	0	0	0	0	0	1	1	988
Feb-58	0	0	0	0	0	0	0	0	0	1	1	989
Mar-58	0	0	0	0	0	0	0	0	0	1	1	990
Apr-58	0	0	0	0	0	0	0	0	0	1	1	991
May-58	1	0	0	0	0	0	0	0	0	1	1	992
Jun-58	0	1	0	0	0	0	0	0	0	1	1	993
Jul-58	0	0	1	0	0	0	0	0	0	1	1	994
Aug-58	0	0	0	1	0	0	0	0	0	1	1	995
Sep-58	0	0	0	0	1	0	0	0	0	1	1	996
Oct-58	0	0	0	0	0	1	0	0	0	1	1	997
Nov-58	0	0	0	0	0	0	1	0	0	1	1	998
Dec-58	0	0	0	0	0	0	0	1	0	1	1	999
Jan-59	0	0	0	0	0	0	0	0	0	1	1	1000
Feb-59	0	0	0	0	0	0	0	0	0	1	1	1001
Mar-59	0	0	0	0	0	0	0	0	0	1	1	1002
Apr-59	0	0	0	0	0	0	0	0	0	1	1	1003
May-59	1	0	0	0	0	0	0	0	0	1	1	1004
Jun-59	0	1	0	0	0	0	0	0	0	1	1	1005
Jul-59	0	0	1	0	0	0	0	0	0	1	1	1006
Aug-59	0	0	0	1	0	0	0	0	0	1	1	1007
Sep-59	0	0	0	0	1	0	0	0	0	1	1	1008
Oct-59	0	0	0	0	0	1	0	0	0	1	1	1009
Nov-59	0	0	0	0	0	0	1	0	0	1	1	1010
Dec-59	0	0	0	0	0	0	0	1	0	1	1	1011
Jan-60	0	0	0	0	0	0	0	0	0	1	1	1012
Feb-60	0	0	0	0	0	0	0	0	0	1	1	1013
Mar-60	0	0	0	0	0	0	0	0	0	1	1	1014
Apr-60	0	0	0	0	0	0	0	0	0	1	1	1015
May-60	1	0	0	0	0	0	0	0	0	1	1	1016
Jun-60	0	1	0	0	0	0	0	0	0	1	1	1017
Jul-60	0	0	1	0	0	0	0	0	0	1	1	1018
Aug-60	0	0	0	1	0	0	0	0	0	1	1	1019
Sep-60	0	0	0	0	1	0	0	0	0	1	1	1020
Oct-60	0	0	0	0	0	1	0	0	0	1	1	1021
Nov-60	0	0	0	0	0	0	1	0	0	1	1	1022
Dec-60	0	0	0	0	0	0	0	1	0	1	1	1023
Jan-61	0	0	0	0	0	0	0	0	0	1	1	1024
Feb-61	0	0	0	0	0	0	0	0	0	1	1	1025
Mar-61	0	0	0	0	0	0	0	0	0	1	1	1026
Apr-61	0	0	0	0	0	0	0	0	0	1	1	1027
May-61	1	0	0	0	0	0	0	0	0	1	1	1028
Jun-61	0	1	0	0	0	0	0	0	0	1	1	1029

Appendix A - Table A4
Suez: Exogenous Variables used in the Monthly Water Demand Forecast 2012 to 2065

Month	Monthly Values of Exogenous Variables											
	Monthly Values of Binary Variables											
	Bmay	Bjune	Bjul	Baug	Bsep	Boct	Bnov	Bdec	Bin1	Bin2	SouthC	Trend
Jul-61	0	0	1	0	0	0	0	0	0	1	1	1030
Aug-61	0	0	0	1	0	0	0	0	0	1	1	1031
Sep-61	0	0	0	0	1	0	0	0	0	1	1	1032
Oct-61	0	0	0	0	0	1	0	0	0	1	1	1033
Nov-61	0	0	0	0	0	0	1	0	0	1	1	1034
Dec-61	0	0	0	0	0	0	0	1	0	1	1	1035
Jan-62	0	0	0	0	0	0	0	0	0	1	1	1036
Feb-62	0	0	0	0	0	0	0	0	0	1	1	1037
Mar-62	0	0	0	0	0	0	0	0	0	1	1	1038
Apr-62	0	0	0	0	0	0	0	0	0	1	1	1039
May-62	1	0	0	0	0	0	0	0	0	1	1	1040
Jun-62	0	1	0	0	0	0	0	0	0	1	1	1041
Jul-62	0	0	1	0	0	0	0	0	0	1	1	1042
Aug-62	0	0	0	1	0	0	0	0	0	1	1	1043
Sep-62	0	0	0	0	1	0	0	0	0	1	1	1044
Oct-62	0	0	0	0	0	1	0	0	0	1	1	1045
Nov-62	0	0	0	0	0	0	1	0	0	1	1	1046
Dec-62	0	0	0	0	0	0	0	1	0	1	1	1047
Jan-63	0	0	0	0	0	0	0	0	0	1	1	1048
Feb-63	0	0	0	0	0	0	0	0	0	1	1	1049
Mar-63	0	0	0	0	0	0	0	0	0	1	1	1050
Apr-63	0	0	0	0	0	0	0	0	0	1	1	1051
May-63	1	0	0	0	0	0	0	0	0	1	1	1052
Jun-63	0	1	0	0	0	0	0	0	0	1	1	1053
Jul-63	0	0	1	0	0	0	0	0	0	1	1	1054
Aug-63	0	0	0	1	0	0	0	0	0	1	1	1055
Sep-63	0	0	0	0	1	0	0	0	0	1	1	1056
Oct-63	0	0	0	0	0	1	0	0	0	1	1	1057
Nov-63	0	0	0	0	0	0	1	0	0	1	1	1058
Dec-63	0	0	0	0	0	0	0	1	0	1	1	1059
Jan-64	0	0	0	0	0	0	0	0	0	1	1	1060
Feb-64	0	0	0	0	0	0	0	0	0	1	1	1061
Mar-64	0	0	0	0	0	0	0	0	0	1	1	1062
Apr-64	0	0	0	0	0	0	0	0	0	1	1	1063
May-64	1	0	0	0	0	0	0	0	0	1	1	1064
Jun-64	0	1	0	0	0	0	0	0	0	1	1	1065
Jul-64	0	0	1	0	0	0	0	0	0	1	1	1066
Aug-64	0	0	0	1	0	0	0	0	0	1	1	1067
Sep-64	0	0	0	0	1	0	0	0	0	1	1	1068
Oct-64	0	0	0	0	0	1	0	0	0	1	1	1069
Nov-64	0	0	0	0	0	0	1	0	0	1	1	1070
Dec-64	0	0	0	0	0	0	0	1	0	1	1	1071
Jan-65	0	0	0	0	0	0	0	0	0	1	1	1072
Feb-65	0	0	0	0	0	0	0	0	0	1	1	1073
Mar-65	0	0	0	0	0	0	0	0	0	1	1	1074
Apr-65	0	0	0	0	0	0	0	0	0	1	1	1075
May-65	1	0	0	0	0	0	0	0	0	1	1	1076
Jun-65	0	1	0	0	0	0	0	0	0	1	1	1077
Jul-65	0	0	1	0	0	0	0	0	0	1	1	1078
Aug-65	0	0	0	1	0	0	0	0	0	1	1	1079
Sep-65	0	0	0	0	1	0	0	0	0	1	1	1080
Oct-65	0	0	0	0	0	1	0	0	0	1	1	1081
Nov-65	0	0	0	0	0	0	1	0	0	1	1	1082
Dec-65	0	0	0	0	0	0	0	1	0	1	1	1083

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Suez Water Idaho Inc.

Appendix A
to
Suez
Master Water Plan 2015-2065

Water Demand Forecasts
for the Years 2012 to 2065

Table A5
COMPASS Forecast of Ada County Population and Households by TAZ in 5 Year Increments for the Years 2010 to 2040

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Appendix A - Table A5

COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
1	Downtown Boise	100%	17	8	17	8	17	8	17	8	16	8	16	8	16	8
2	Downtown Boise	100%	3	2	3	2	3	2	3	2	3	2	3	2	3	2
3	Downtown Boise	100%	1	1	1	1	1	1	1	1	1	1	1	1	0	0
4	Downtown Boise	100%	59	49	59	49	63	49	64	50	70	51	71	52	79	54
5	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Downtown Boise	100%	172	128	172	128	176	128	180	131	190	135	199	141	214	148
7	Downtown Boise	100%	18	12	18	12	18	12	18	12	17	12	17	12	17	12
8	Downtown Boise	100%	70	45	72	46	68	46	74	50	79	56	90	64	96	72
9	Downtown Boise	100%	65	53	64	52	67	52	69	53	75	55	79	58	89	62
10	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Downtown Boise	100%	153	103	153	103	148	103	151	105	149	108	155	112	156	117
12	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Downtown Boise	100%	71	49	77	53	75	53	75	53	73	53	73	53	71	53
14	Downtown Boise	100%	168	92	168	92	156	92	161	95	156	99	165	105	162	112
15	Downtown Boise	100%	109	84	109	84	110	84	111	85	113	86	115	87	117	88
16	Downtown Boise	100%	136	75	140	77	141	77	161	88	195	105	238	128	289	154
17	Downtown Boise	100%	83	60	83	60	82	60	96	70	115	85	142	105	170	128
18	Downtown Boise	100%	274	186	275	187	267	187	274	192	276	200	291	211	298	224
19	Downtown Boise	100%	109	11	109	11	107	11	140	24	186	45	251	73	315	107
20	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Downtown Boise	100%	4	4	4	4	4	4	4	4	5	4	5	4	5	4
22	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Downtown Boise	100%	57	46	57	46	60	46	60	46	64	46	65	47	70	48
25	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Downtown Boise	100%	53	41	53	41	54	41	61	47	74	56	90	68	110	83
28	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Downtown Boise	100%	9	7	9	7	10	7	10	7	10	7	12	8	14	9
31	Downtown Boise	100%	120	89	120	89	119	89	123	92	128	96	135	101	144	108
32	Downtown Boise	100%	9	6	9	6	9	6	9	6	9	6	9	6	9	6
33	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Downtown Boise	100%	8	5	8	5	8	5	8	5	8	5	8	5	8	5
35	Downtown Boise	100%	17	12	17	12	17	12	19	14	24	18	31	23	39	29
36	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	Downtown Boise	100%	15	11	15	11	15	11	18	13	21	16	27	20	35	26
39	Downtown Boise	100%	69	52	69	52	71	52	72	53	77	55	81	58	89	62
40	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Downtown Boise	100%	0	0	0	0	0	0	0	0	2	1	3	2	5	3
42	Downtown Boise	100%	0	0	0	0	0	0	9	6	23	15	41	27	62	42
43	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Downtown Boise	100%	18	10	18	10	17	10	18	11	20	13	23	15	26	18
45	Downtown Boise	100%	4	1	4	1	3	1	3	1	1	1	1	1	0	0
46	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	Downtown Boise	100%	2	2	2	2	2	2	8	7	20	15	34	26	59	40

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COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
48	Downtown Boise	100%	18	11	16	10	15	10	32	21	56	39	90	63	121	91
49	Downtown Boise	100%	3	2	3	2	3	2	3	2	3	2	3	2	4	3
50	Downtown Boise	100%	451	295	451	295	441	295	445	298	440	302	448	307	447	314
51	Downtown Boise	100%	4	4	4	4	5	4	19	14	50	30	87	52	154	77
52	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Downtown Boise	100%	2	1	0	0	0	0	60	33	137	84	249	153	338	234
54	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Downtown Boise	100%	0	0	0	0	0	0	38	25	95	63	172	114	259	175
56	Downtown Boise	100%	2	1	2	1	1	1	1	1	1	1	1	1	0	0
57	Downtown Boise	100%	413	236	502	287	477	288	479	289	452	289	452	289	425	289
58	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	Downtown Boise	100%	434	89	434	89	460	89	472	93	520	99	547	107	607	115
60	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	Downtown Boise	100%	172	0	172	0	172	0	172	0	172	0	172	0	172	0
62	Downtown Boise	100%	75	56	75	56	75	56	75	56	76	57	77	58	78	59
63	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	Downtown Boise	100%	2	2	2	2	2	2	24	21	67	51	120	91	203	137
65	Downtown Boise	100%	87	68	87	68	88	68	106	82	137	104	176	134	223	168
66	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	Downtown Boise	100%	38	23	38	23	36	23	49	31	65	43	89	59	110	77
69	Downtown Boise	100%	156	133	156	133	168	133	179	142	210	155	234	173	280	194
70	Downtown Boise	100%	0	0	0	0	0	0	44	26	119	66	216	120	353	184
71	Downtown Boise	100%	3	3	3	3	3	3	3	3	4	3	4	3	4	3
72	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Downtown Boise	100%	2	1	2	1	1	1	1	1	1	1	1	1	0	0
74	Downtown Boise	100%	0	0	0	0	0	0	39	24	102	61	183	110	288	168
75	Downtown Boise	100%	88	45	90	46	87	47	91	49	91	52	96	55	97	59
76	East End	100%	599	319	601	320	581	322	583	323	560	323	560	323	537	323
77	East End	100%	634	359	636	360	621	361	629	366	624	373	639	382	638	392
78	East End	100%	516	248	522	251	518	255	529	260	524	264	534	269	535	276
79	East End	100%	2,013	777	2,070	799	2,130	831	2,179	850	2,165	854	2,165	854	2,172	866
80	East End	100%	316	51	316	51	316	51	344	63	385	81	443	106	510	135
81	East End	100%	541	249	543	250	532	251	537	253	532	257	542	262	539	267
82	East End	100%	369	146	374	148	372	152	380	155	370	156	370	156	362	158
83	East End	100%	48	19	48	19	46	19	51	21	56	24	65	28	76	34
84	East End	100%	379	179	383	181	381	182	386	184	388	187	394	190	398	194
85	East End	100%	196	119	196	119	196	119	196	119	196	119	196	119	196	119
86	East End	100%	780	460	780	460	760	460	765	463	752	468	762	474	752	481
87	East End	100%	70	48	70	48	69	48	70	49	70	50	72	51	72	52
88	East End	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	East End	100%	101	55	101	55	99	55	99	55	98	56	100	57	100	58
90	East End	100%	422	167	435	172	388	181	399	186	328	186	328	186	258	187
91	Southeast Boise	100%	156	116	157	117	163	117	175	126	201	140	229	159	270	182
92	Southeast Boise	100%	177	111	177	111	176	111	179	113	182	116	187	119	192	123
93	Southeast Boise	100%	351	161	355	163	363	167	411	189	478	221	569	263	679	315
94	Southeast Boise	100%	408	218	410	219	406	219	406	219	402	219	402	219	398	219

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COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
95	Southeast Boise	100%	471	285	473	286	458	286	458	286	443	286	443	286	428	286
96	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Southeast Boise	100%	664	420	664	420	629	420	653	436	650	460	697	493	706	531
98	Southeast Boise	100%	284	126	286	127	281	127	283	128	281	130	286	132	286	135
99	Southeast Boise	100%	496	325	496	325	475	325	475	325	454	325	454	325	433	325
100	Southeast Boise	100%	466	291	466	291	443	291	458	301	455	316	485	337	491	361
101	Southeast Boise	100%	395	206	397	207	391	209	397	212	393	215	400	219	401	225
102	Southeast Boise	100%	426	269	428	270	413	271	421	276	415	283	429	293	429	305
103	Southeast Boise	100%	1,017	0	1,017	0	1,017	0	1,017	0	1,017	0	1,017	0	1,017	0
104	Southeast Boise	100%	210	118	210	118	203	118	295	171	426	255	614	368	807	500
105	Southeast Boise	100%	507	242	509	243	490	243	506	251	512	264	544	281	558	300
106	Southeast Boise	100%	167	81	169	82	170	82	199	96	247	119	312	150	386	185
107	Southeast Boise	100%	84	53	86	54	86	55	86	55	84	55	84	55	83	55
108	Southeast Boise	100%	790	425	790	425	757	425	772	433	759	445	786	461	783	481
109	Southeast Boise	100%	77	46	77	46	79	46	106	62	151	87	209	120	280	158
110	Southeast Boise	100%	1,090	491	1,097	494	1,067	497	1,264	589	1,513	730	1,903	918	2,280	1,140
111	Southeast Boise	100%	1,014	461	1,021	464	996	468	1,237	581	1,551	754	2,030	987	2,504	1,261
112	Southeast Boise	100%	621	268	635	274	624	281	837	377	1,105	521	1,512	713	1,904	941
113	Southeast Boise	100%	511	192	516	194	498	197	705	279	966	404	1,365	571	1,735	769
114	Southeast Boise	100%	768	339	773	341	761	345	774	351	766	357	781	364	782	375
115	Southeast Boise	100%	858	393	884	405	870	406	876	409	867	413	878	418	873	424
116	Southeast Boise	100%	1,427	691	1,489	721	1,581	778	1,615	795	1,621	811	1,659	830	1,686	858
117	Southeast Boise	100%	709	375	735	389	748	405	763	413	745	413	745	413	727	413
118	Southeast Boise	100%	349	173	349	173	341	173	367	186	397	206	449	233	497	264
119	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	Southeast Boise	100%	1,217	542	1,217	542	1,183	542	1,194	547	1,179	556	1,205	568	1,196	581
121	Southeast Boise	100%	468	235	470	236	466	238	480	245	489	254	510	265	528	279
122	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	Southeast Boise	100%	658	248	658	248	652	248	654	249	653	251	661	254	664	258
125	Southeast Boise	100%	586	241	588	242	578	242	589	247	595	254	618	264	632	275
126	Southeast-Barber Valley	100%	0	0	83	33	255	95	419	156	697	243	1,027	358	1,515	496
127	Southeast Boise	100%	32	12	32	12	34	12	67	24	126	43	202	69	306	100
128	Southeast-Barber Valley	100%	6	3	318	159	643	322	777	389	929	466	1,120	562	1,369	688
129	Southeast-Barber Valley	50%	1,256	481	1,562	598	1,896	731	2,075	800	2,061	800	2,061	800	2,047	800
130	Southeast-Barber Valley	20%	14	5	17	6	14	6	16	7	17	9	21	11	19	13
131	Southeast Boise	0%	15	5	39	13	40	13	40	13	41	13	41	13	42	13
132	Southeast-Barber Valley	100%	386	148	511	196	609	236	619	240	613	240	613	240	609	241
133	Southeast Boise	100%	527	189	535	192	535	193	535	193	533	193	533	193	530	193
134	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Southeast Boise	100%	568	232	570	233	562	235	565	236	552	236	552	236	539	236
136	Southeast Boise	100%	526	220	538	225	530	225	534	227	533	230	542	234	545	239
137	Southeast Boise	100%	491	218	509	226	537	241	546	245	549	249	560	254	568	260
138	Southeast Boise	100%	831	331	834	332	829	333	832	334	827	335	832	337	830	339
139	Southeast Boise	100%	351	176	353	177	350	177	350	177	349	178	350	179	349	180
140	Southeast Boise	100%	941	405	943	406	926	406	935	410	932	416	950	424	954	434
141	Southeast Boise	100%	526	218	533	221	525	221	539	227	553	237	584	250	609	265

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COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
142	Southeast Boise	100%	592	229	592	229	584	229	584	229	576	229	576	229	569	229
143	Southeast Boise	100%	134	57	136	58	136	58	141	60	147	63	157	67	166	71
144	Southeast Boise	100%	436	184	438	185	432	185	432	185	425	185	425	185	418	185
145	Southeast Boise	100%	913	363	958	381	957	392	972	398	942	398	942	398	911	397
146	Southeast Boise	100%	787	301	787	301	786	301	786	301	786	301	786	301	785	301
147	Southeast Boise	100%	330	118	495	177	627	220	690	242	703	242	703	242	716	242
148	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	Southeast Boise	100%	629	246	637	249	599	249	599	249	561	249	561	249	517	246
151	Southeast Boise	100%	2,616	959	2,621	961	2,588	964	2,594	966	2,552	966	2,552	966	2,492	959
152	Southeast Boise	100%	1,181	366	1,216	377	1,277	399	1,312	410	1,302	410	1,302	410	1,291	410
153	Southeast Boise	100%	235	83	235	83	247	83	247	83	259	83	259	83	271	83
154	Southeast Boise	100%	76	31	76	31	76	31	76	31	76	31	76	31	76	31
155	Southeast Boise	100%	281	136	281	136	271	136	275	138	270	141	278	145	278	151
156	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Southeast Boise	100%	1,472	499	1,490	505	1,480	509	1,486	511	1,465	511	1,465	511	1,447	512
159	Southeast Boise	100%	836	265	839	266	837	269	862	277	884	288	927	302	969	320
160	Southeast Boise	100%	4	2	150	75	482	205	529	225	608	225	608	225	686	225
161	Southeast Boise	100%	75	20	75	20	74	20	74	20	73	20	73	20	75	21
162	Southeast Boise	100%	2	1	2	1	2	1	2	1	3	2	5	3	5	4
163	Southeast Boise	100%	476	245	476	245	470	247	478	251	477	256	489	262	493	270
164	Southeast Boise	100%	699	293	720	302	750	319	766	326	764	330	771	333	777	341
165	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Southeast Boise	100%	314	156	314	156	278	156	303	170	299	192	344	221	339	255
169	Blacks Creek Rural	100%	1	0	0	0	0	0	0	0	0	0	0	0	0	0
170	Blacks Creek Rural	100%	1	0	0	0	0	0	0	0	0	0	0	0	0	0
171	Blacks Creek Rural	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	Blacks Creek Rural	15%	4	2	4	2	4	2	4	2	4	2	6	3	8	4
173	Blacks Creek Rural	0%	3,047	0	3,047	0	3,047	0	3,047	0	3,047	0	3,047	0	3,047	0
174	Blacks Creek Rural	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	Blacks Creek Rural	100%	4	2	4	2	4	2	4	2	4	2	4	2	4	2
176	Blacks Creek Rural	15%	4	1	4	1	3	1	3	1	3	1	3	1	0	0
177	Blacks Creek Rural	0%	1	0	0	0	0	0	0	0	0	0	0	0	0	0
178	Southeast Boise	100%	1	1	1	1	1	1	1	1	2	1	2	1	0	0
179	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183	Airport	100%	16	11	16	11	18	11	18	11	21	11	21	11	0	0
184	Airport	100%	7	3	7	3	6	3	6	3	6	3	6	3	5	3
185	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
186	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187	Airport	100%	4	1	4	1	3	1	3	1	3	1	3	1	0	0
188	Airport	100%	9	4	9	4	8	4	8	4	7	4	7	4	6	4

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COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
189	Airport	100%	1	1	1	1	1	1	1	1	2	1	2	1	0	0
190	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192	Airport	100%	2	2	2	2	2	2	2	2	2	2	2	2	3	2
193	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194	Airport	100%	2	1	2	1	2	1	2	1	2	1	2	1	0	0
195	Airport	100%	138	54	143	56	138	57	138	57	129	57	129	57	0	0
196	Airport	100%	344	133	349	135	333	135	343	139	343	146	365	155	371	166
197	Airport	100%	21	7	21	7	21	7	21	7	21	7	21	7	21	7
198	Airport	100%	2	2	2	2	2	2	2	2	2	2	2	2	3	2
199	Airport	100%	2	1	2	1	2	1	2	1	2	1	2	1	0	0
200	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202	Southeast Boise	100%	13	5	13	5	13	5	13	5	13	5	13	5	13	5
203	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204	Southwest Boise	100%	18	5	18	5	17	5	24	7	31	10	41	13	49	17
205	Southwest Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206	Southwest Boise	100%	0	0	3	1	3	1	3	1	3	1	3	1	0	0
207	Southwest Boise	100%	552	195	560	198	567	203	575	206	570	207	573	208	571	210
208	Southwest Boise	100%	609	217	626	223	641	231	661	238	678	247	708	258	738	272
209	Southwest Boise	100%	158	54	161	55	156	55	165	58	173	63	192	70	208	78
210	Southwest Boise	100%	160	105	232	152	367	235	400	256	421	263	424	265	460	281
211	Southwest Boise	100%	167	60	170	61	169	61	169	61	169	61	169	61	166	60
212	Southwest Boise	100%	152	45	152	45	152	45	152	45	152	45	152	45	153	45
213	Southwest Boise	100%	186	78	188	79	187	80	189	81	188	82	190	83	189	84
214	Southwest Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215	Airport	100%	16	5	16	5	16	5	16	5	16	5	16	5	16	5
216	Airport	100%	9	4	9	4	9	4	9	4	12	5	15	6	18	7
217	Airport	100%	8	5	10	6	9	6	9	6	9	6	9	6	8	6
218	Southwest Boise	100%	1,035	377	1,137	414	1,309	482	1,406	518	1,396	520	1,396	520	1,394	525
219	Southwest Boise	100%	1,083	383	1,083	383	1,065	384	1,065	384	1,045	384	1,045	384	1,025	384
220	Southwest Boise	100%	1,951	659	1,963	663	1,946	666	1,963	672	1,957	679	1,983	688	1,993	701
221	Southwest Boise	100%	726	262	734	265	719	265	719	265	703	265	703	265	690	266
222	Southwest Boise	100%	880	273	899	279	897	282	904	284	892	284	892	284	880	284
223	Southwest Boise	100%	683	220	767	247	776	260	809	271	793	277	807	282	803	293
224	Southwest Boise	100%	831	272	834	273	831	273	879	289	951	314	1,051	347	1,164	386
225	Southwest Boise	100%	673	217	673	217	662	217	668	219	667	222	679	226	685	232
226	Southwest Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227	Southwest Boise	100%	653	197	656	198	654	199	654	199	648	199	648	199	636	197
228	Southwest Boise	100%	449	150	449	150	441	150	441	150	432	150	432	150	424	150
229	Southwest Boise	100%	591	199	594	200	584	200	584	200	574	200	574	200	562	199
230	Southwest Boise	100%	188	69	188	69	186	69	186	69	183	69	183	69	184	70
231	Southwest Boise	100%	683	235	686	236	679	237	679	237	668	237	668	237	655	236
232	Southwest Boise	100%	404	141	407	142	399	142	405	144	405	147	416	151	424	157
233	Southwest Boise	100%	703	242	732	252	770	272	807	285	797	289	802	291	810	302
234	Southwest Boise	100%	213	76	219	78	226	81	284	102	366	132	477	172	605	219
235	Southwest Boise	100%	259	94	259	94	265	94	324	115	426	148	556	193	721	245

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COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
236	Southwest Boise	100%	136	49	136	49	138	49	138	49	139	49	139	49	144	50
237	Southwest Boise	100%	408	132	411	133	403	133	578	191	836	282	1,197	404	1,586	547
238	Southwest Boise	100%	212	71	212	71	218	71	218	71	224	71	224	71	229	71
239	Southwest Boise	100%	116	43	116	43	114	43	137	52	171	66	217	84	265	105
240	Southwest Boise	100%	405	129	405	129	401	129	401	129	397	129	397	129	392	129
241	Southwest Boise	100%	1,331	504	1,439	545	1,496	572	1,533	586	1,518	586	1,518	586	1,501	585
242	Southwest Boise	100%	1,150	435	1,153	436	1,140	437	1,143	438	1,128	438	1,128	438	1,117	440
243	Southwest Boise	100%	501	159	504	160	495	160	501	162	501	165	513	169	519	174
244	Southwest Boise	100%	182	73	184	74	178	74	178	74	171	74	171	74	162	73
245	Airport	100%	300	113	305	115	310	119	321	123	320	125	325	127	329	131
246	Southwest Boise	100%	154	51	190	63	233	80	262	90	258	92	258	92	266	99
247	Airport	100%	8	3	8	3	8	3	8	3	8	3	8	3	8	3
248	Southwest Boise	100%	993	427	1,000	430	1,003	436	1,028	447	1,044	459	1,078	474	1,115	496
249	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
251	Southwest Boise	100%	789	280	803	285	794	288	799	290	782	290	782	290	761	289
252	Southwest Boise	100%	588	229	683	266	760	302	806	320	789	320	789	320	773	320
253	Southwest Boise	100%	249	87	255	89	255	90	309	109	387	138	496	177	622	224
254	Southwest Boise	100%	536	196	686	251	840	307	889	325	889	325	889	325	892	326
255	Southwest Boise	100%	932	344	1,073	396	1,226	468	1,331	508	1,395	551	1,526	603	1,648	675
256	Southwest Boise	100%	330	116	367	129	378	134	386	137	386	138	386	138	388	140
257	Southwest Boise	100%	932	311	935	312	921	312	927	314	918	316	927	319	924	323
258	Southwest Boise	100%	786	268	795	271	787	271	790	272	785	273	787	274	782	275
259	Southwest Boise	100%	198	76	808	310	1,691	700	2,186	905	2,571	1,155	3,279	1,473	3,840	1,886
260	Southwest Boise	100%	770	284	773	285	766	286	771	288	767	290	775	293	775	297
261	Southwest Boise	100%	506	179	509	180	497	180	502	182	501	186	514	191	515	196
262	Southwest Boise	100%	2,765	761	2,972	818	2,886	887	3,661	1,125	4,149	1,443	5,336	1,856	5,917	2,371
263	Southwest Boise	100%	996	311	1,262	394	1,650	538	1,840	600	1,934	660	2,142	731	2,333	835
264	Southwest Boise	30%	152	55	158	57	175	61	241	84	344	116	469	158	645	210
265	Southwest Boise	100%	408	141	420	145	438	152	449	156	450	157	450	157	453	159
266	Southwest Boise	0%	4	2	4	2	5	2	30	13	77	30	134	52	223	78
267	Southwest Boise	50%	1,304	446	1,345	460	1,357	469	1,418	490	1,474	515	1,566	547	1,668	589
268	Southwest Boise	100%	1	1	1	1	2	1	42	27	143	68	258	123	492	186
269	Southwest Boise	100%	183	63	183	63	181	63	181	63	178	63	181	64	182	65
270	Southwest Boise	0%	167	48	320	92	494	150	567	172	591	190	650	209	702	240
271	Southwest Boise	0%	58	20	61	21	62	22	62	22	61	22	61	22	60	22
272	Southwest Boise	100%	133	52	136	53	130	53	130	53	124	53	124	53	119	53
273	Southwest Boise	100%	464	131	464	131	456	131	463	133	464	136	478	140	489	146
274	Southwest Boise	0%	74	25	74	25	71	25	80	28	88	32	101	37	113	43
275	Southwest Boise	0%	299	96	299	96	292	96	353	116	437	147	562	189	688	237
276	Southwest Boise	100%	101	37	98	36	103	37	292	105	599	212	1,006	356	1,509	525
277	Southwest Boise	100%	1,580	528	1,583	529	1,567	529	1,567	529	1,552	529	1,552	529	1,536	529
278	Southwest Boise	0%	66	34	93	48	99	51	114	59	134	69	157	81	186	96
279	Southwest Boise	100%	94	34	97	35	97	35	164	59	269	96	410	146	580	205
280	Airport	100%	1	1	1	1	1	1	1	1	2	1	2	1	0	0
281	Southwest Boise	100%	493	195	496	196	490	196	490	196	485	196	485	196	480	196
282	Southwest Boise	100%	1,500	508	1,538	521	1,561	537	1,590	547	1,571	549	1,571	549	1,566	556

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COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
283	Ten Mile Creek Rural	85%	3	1	3	1	3	1	3	1	3	1	3	1	0	0
284	Ten Mile Creek Rural	100%	98	45	102	47	103	50	107	52	100	52	100	52	92	51
285	Ten Mile Creek Rural	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
286	Southwest Boise	100%	21	8	26	10	22	10	22	10	18	10	19	11	16	12
287	Ten Mile Creek Rural	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
288	Ten Mile Creek Rural	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
289	Southwest Boise	100%	51	21	51	21	51	21	51	21	51	21	51	21	51	21
290	Ten Mile Creek Rural	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
291	Ten Mile Creek Rural	100%	10	5	10	5	10	5	12	6	14	7	17	9	21	11
292	Ten Mile Creek Rural	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
293	Southwest Boise	100%	1,631	534	1,658	543	1,636	547	1,704	570	1,761	602	1,884	644	1,991	696
294	Southwest Boise	100%	1,216	395	1,216	395	1,207	395	1,252	410	1,315	434	1,412	466	1,516	504
295	Southwest Boise	100%	306	88	309	89	274	90	286	94	260	100	284	109	257	119
296	Southwest Boise	0%	20	7	20	7	20	7	20	7	20	7	20	7	20	7
297	Southwest Boise	100%	249	87	249	87	241	87	241	87	233	87	233	87	224	87
298	Ten Mile Creek Rural	0%	44	16	47	17	48	17	48	17	50	17	50	17	51	17
299	Ten Mile Creek Rural	0%	2,123	0	2,123	0	2,123	0	2,123	0	2,123	0	2,123	0	2,123	0
300	Ten Mile Creek Rural	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
301	Ten Mile Creek Rural	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
302	Ten Mile Creek Rural	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
303	Ten Mile Creek Rural	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
304	Ten Mile Creek Rural	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
305	Ten Mile Creek Rural	100%	73	24	73	24	70	24	73	25	75	27	83	30	90	34
306	Ten Mile Creek Rural	0%	624	211	633	214	615	218	632	224	618	230	636	237	630	247
307	Ten Mile Creek Rural	0%	18	6	21	7	24	8	32	11	47	16	67	23	86	30
308	Ten Mile Creek Rural	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
309	Ten Mile Creek Rural	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
310	Ten Mile Creek Rural	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
311	Ten Mile Creek Rural	0%	37	12	37	12	37	12	37	12	37	12	37	12	37	12
312	Ten Mile Creek Rural	100%	21	7	21	7	21	7	21	7	21	7	21	7	21	7
313	Ten Mile Creek Rural	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
314	Ten Mile Creek Rural	0%	97	32	97	32	92	32	92	32	87	32	87	32	82	32
315	Ten Mile Creek Rural	15%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
316	Ten Mile Creek Rural	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
317	Southwest Boise	0%	42	16	42	16	40	16	40	16	41	17	43	18	44	19
318	Southwest Boise	0%	62	26	64	27	64	27	64	27	63	27	63	27	65	28
319	Ten Mile Creek Rural	0%	206	70	209	71	202	72	202	72	193	72	196	73	189	74
320	Ten Mile Creek Rural	0%	34	15	34	15	32	15	32	15	31	16	33	17	32	18
321	Ten Mile Creek Rural	0%	66	24	69	25	65	25	65	25	61	25	61	25	58	25
322	Ten Mile Creek Rural	0%	53	18	53	18	51	18	51	18	50	18	50	18	48	18
323	Ten Mile Creek Rural	0%	26	11	31	13	37	16	42	18	41	18	41	18	41	18
324	Southwest Boise	100%	24	11	24	11	24	11	24	11	25	11	25	11	25	11
325	Southwest Boise	100%	8	4	8	4	8	4	8	4	8	4	10	5	12	6
326	Central Bench	100%	935	0	935	0	935	0	935	0	935	0	935	0	935	0
327	Central Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
328	Central Bench	100%	932	414	934	415	903	417	921	425	908	436	937	450	933	467
329	Central Bench	100%	538	307	538	307	512	307	524	314	515	325	537	339	534	356

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COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
330	Central Bench	100%	91	79	91	79	100	79	110	87	138	100	161	117	203	136
331	Central Bench	100%	2,533	1,081	2,549	1,088	2,466	1,093	2,689	1,192	2,912	1,343	3,352	1,546	3,714	1,785
332	Central Bench	100%	720	304	732	309	729	317	747	325	736	330	747	335	748	346
333	Central Bench	100%	729	325	742	331	755	340	766	345	758	345	758	345	747	344
334	Central Bench	100%	374	157	376	158	365	161	512	226	699	325	985	458	1,250	614
335	Central Bench	100%	86	44	86	44	82	44	92	49	102	57	122	68	141	82
336	Central Bench	100%	178	32	181	33	192	33	195	34	211	35	214	36	231	37
337	Central Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
338	Central Bench	100%	2	2	2	2	2	2	2	2	2	2	2	2	3	2
339	Central Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
340	Central Bench	100%	616	234	616	234	573	234	870	355	1,234	544	1,813	799	2,292	1,098
341	Central Bench	100%	1,544	652	1,546	653	1,502	653	1,520	661	1,502	673	1,537	689	1,533	709
342	Central Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
343	Central Bench	100%	3	2	3	2	3	2	3	2	3	2	3	2	3	2
344	Central Bench	100%	324	167	324	167	322	167	419	217	569	296	772	402	1,008	527
345	Central Bench	100%	267	138	267	138	260	138	263	140	260	142	265	145	264	149
346	Central Bench	100%	258	117	260	118	253	118	255	119	252	121	259	124	257	127
347	Central Bench	100%	222	99	224	100	228	103	233	105	233	106	235	107	236	109
348	Central Bench	100%	233	101	235	102	233	103	237	105	235	106	237	107	238	110
349	Central Bench	100%	349	168	353	170	353	173	402	197	464	232	558	279	655	334
350	Central Bench	100%	749	352	755	355	751	360	764	366	759	371	769	376	769	384
351	Central Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
352	Central Bench	100%	557	415	558	416	574	417	745	541	1,038	736	1,408	998	1,885	1,304
353	Central Bench	100%	279	121	281	122	277	123	280	124	278	126	282	128	282	131
354	Central Bench	100%	276	144	276	144	276	144	297	155	329	172	373	195	423	221
355	Central Bench	100%	342	185	346	187	348	191	352	193	347	193	347	193	342	193
356	Central Bench	100%	214	100	218	102	215	104	221	107	224	112	238	119	242	126
357	Central Bench	100%	39	19	43	21	43	21	43	21	42	21	42	21	42	21
358	Central Bench	100%	385	169	387	170	383	172	390	175	388	178	394	181	394	185
359	Central Bench	100%	577	241	579	242	553	244	569	251	558	261	586	274	581	289
360	Central Bench	100%	218	106	220	107	224	110	228	112	227	113	229	114	232	117
361	Central Bench	100%	375	169	375	169	365	170	371	173	367	177	377	182	376	188
362	Central Bench	100%	564	265	573	269	571	277	588	285	579	290	591	296	593	307
363	Central Bench	100%	462	216	464	217	453	218	459	221	453	225	464	230	465	238
364	Central Bench	100%	344	138	344	138	338	138	340	139	338	141	343	143	341	145
365	Central Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
366	Central Bench	100%	414	208	416	209	409	209	413	211	411	214	419	218	419	222
367	Central Bench	100%	3	2	3	2	3	2	50	30	135	74	242	133	400	202
368	Central Bench	100%	308	163	308	163	303	163	305	164	303	165	306	167	305	169
369	Central Bench	100%	926	390	950	400	986	420	1,012	431	1,006	433	1,006	433	1,004	437
370	Central Bench	100%	65	32	65	32	59	32	94	51	135	81	203	122	252	170
371	Central Bench	100%	301	146	326	158	414	170	507	208	726	258	909	323	1,292	405
372	Central Bench	100%	432	158	432	158	416	158	424	161	418	165	431	170	428	176
373	Central Bench	100%	148	84	148	84	145	84	188	109	249	147	335	198	430	259
374	Central Bench	100%	1,268	501	1,268	501	1,215	501	1,237	510	1,218	525	1,264	545	1,257	568
375	Central Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
376	Central Bench	100%	2,085	816	2,090	818	2,062	821	2,080	828	2,066	837	2,093	848	2,087	861

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COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
377	Central Bench	100%	621	282	625	284	619	287	634	294	639	303	662	314	678	329
378	Central Bench	100%	592	256	594	257	573	257	581	261	572	267	591	276	589	286
379	Central Bench	100%	509	227	511	228	506	229	508	230	500	230	500	230	492	230
380	Central Bench	100%	345	163	347	164	336	164	338	165	329	166	333	168	326	170
381	Central Bench	100%	182	72	187	74	194	77	199	79	198	79	198	79	197	79
382	Central Bench	100%	262	119	264	120	261	120	263	121	262	122	264	123	262	124
383	Central Bench	100%	176	77	178	78	174	78	176	79	173	80	177	82	177	84
384	Central Bench	100%	125	50	128	51	126	53	131	55	129	57	133	59	133	62
385	Central Bench	100%	299	128	301	129	299	130	317	138	339	150	375	166	409	184
386	Central Bench	100%	290	124	292	125	284	126	288	128	284	131	292	135	293	141
387	Central Bench	100%	253	106	255	107	244	108	260	115	265	124	291	136	304	151
388	Central Bench	100%	389	177	391	178	379	179	386	182	379	186	392	192	390	199
389	Central Bench	100%	250	123	252	124	254	125	284	140	330	163	395	195	469	232
390	Central Bench	100%	11	6	11	6	10	6	10	6	10	6	10	6	11	7
391	Central Bench	100%	150	84	152	85	156	86	259	143	426	232	647	352	921	494
392	Central Bench	100%	224	109	226	110	225	111	331	163	487	243	702	350	945	477
393	Central Bench	100%	2	1	2	1	1	1	1	1	1	1	1	1	0	0
394	Central Bench	100%	627	261	629	262	617	262	622	264	617	267	626	271	625	276
395	Central Bench	100%	738	361	742	363	728	367	750	378	753	392	788	410	807	434
396	Central Bench	100%	881	355	883	356	879	359	886	362	882	365	889	368	889	373
397	Central Bench	100%	655	330	655	330	642	330	648	333	642	337	652	342	650	348
398	Central Bench	100%	880	366	918	382	963	411	1,235	527	1,596	699	2,118	928	2,671	1,202
399	Central Bench	100%	10	4	10	4	10	4	10	4	10	4	10	4	10	4
400	Central Bench	100%	1,178	507	1,194	514	1,164	521	1,401	627	1,688	787	2,147	1,001	2,580	1,255
401	Central Bench	100%	1,108	482	1,115	485	1,077	488	1,221	553	1,380	652	1,662	785	1,909	942
402	Central Bench	100%	895	409	899	411	882	415	1,041	490	1,247	605	1,565	759	1,881	941
403	Central Bench	100%	1,107	464	1,109	465	1,092	467	1,104	472	1,096	478	1,112	485	1,109	494
404	Central Bench	100%	141	82	141	82	135	82	138	84	136	87	141	90	140	94
405	Central Bench	100%	797	326	802	328	785	331	811	342	817	356	859	374	884	398
406	Central Bench	100%	341	155	345	157	340	160	428	201	540	263	709	345	878	443
407	Central Bench	100%	286	113	286	113	277	113	279	114	272	115	277	117	272	119
408	Central Bench	100%	416	176	425	180	426	188	492	217	553	255	661	305	761	368
409	Central Bench	100%	677	267	685	270	677	273	687	277	682	281	692	285	690	291
410	Central Bench	100%	1,717	692	1,719	693	1,661	695	1,690	707	1,665	724	1,718	747	1,712	775
411	West Bench	100%	1,462	526	1,462	526	1,429	526	1,443	531	1,429	538	1,455	548	1,450	559
412	West Bench	100%	1,733	577	1,736	578	1,698	578	1,712	583	1,697	591	1,728	602	1,722	614
413	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
414	West Bench	100%	1,572	651	1,599	662	1,537	674	1,551	680	1,459	680	1,459	680	1,370	681
415	West Bench	100%	651	235	654	236	652	238	657	240	655	242	660	244	663	248
416	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
417	West Bench	100%	1,430	483	1,442	487	1,443	495	1,455	499	1,433	499	1,433	499	1,411	499
418	West Bench	100%	1,318	436	1,336	442	1,241	454	1,312	480	1,259	515	1,371	561	1,334	619
419	West Bench	100%	1,006	300	1,006	300	1,005	300	1,005	300	1,005	300	1,005	300	1,004	300
420	West Bench	100%	1,877	663	1,880	664	1,805	664	1,843	678	1,825	700	1,903	730	1,906	764
421	West Bench	100%	1,040	334	1,137	365	1,208	387	1,242	398	1,245	398	1,245	398	1,248	398
422	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
423	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
424	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
425	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426	West Bench	100%	1,279	427	1,294	432	1,266	436	1,275	439	1,237	440	1,237	440	1,202	442
427	West Bench	100%	1,406	419	1,406	419	1,367	419	1,377	422	1,350	426	1,366	431	1,347	438
428	West Bench	100%	719	224	722	225	713	225	735	232	761	243	808	258	853	276
429	West Bench	50%	92	24	744	194	643	194	643	194	543	194	543	194	443	194
430	West Bench	100%	469	157	472	158	469	159	469	159	462	159	462	159	456	159
431	West Bench	100%	1,403	543	1,406	544	1,381	547	1,386	549	1,354	549	1,354	549	1,319	548
432	West Bench	100%	899	287	905	289	905	292	911	294	904	295	907	296	900	297
433	West Bench	100%	1,510	538	1,521	542	1,507	549	1,510	550	1,476	550	1,476	550	1,445	551
434	West Bench	100%	1,031	399	1,052	407	1,058	413	1,083	423	1,099	433	1,129	445	1,161	462
435	West Bench	80%	2,155	758	2,158	759	2,128	762	2,147	769	2,130	777	2,157	787	2,152	800
436	West Bench	0%	857	331	860	332	845	334	847	335	827	335	827	335	807	335
437	West Bench	60%	263	100	263	100	263	100	263	100	264	100	264	100	264	100
438	West Bench	100%	184	70	184	70	178	70	216	85	265	108	341	139	412	174
439	West Bench	100%	1,129	435	1,137	438	1,160	443	1,299	496	1,519	575	1,797	680	2,146	805
440	West Bench	0%	1,776	735	1,776	735	1,752	735	1,761	739	1,748	744	1,765	751	1,761	760
441	West Bench	0%	1,556	723	1,562	726	1,528	730	1,631	779	1,733	852	1,933	950	2,108	1,067
442	West Bench	0%	1,281	475	1,286	477	1,289	480	1,428	532	1,633	611	1,914	716	2,235	840
443	West Bench	100%	1,150	439	1,150	439	1,129	439	1,136	442	1,127	447	1,145	454	1,140	461
444	West Bench	100%	1,459	517	1,473	522	1,465	528	1,526	550	1,579	579	1,682	617	1,776	663
445	West Bench	100%	1,229	474	1,328	512	1,391	547	1,437	565	1,408	565	1,408	565	1,380	565
446	West Bench	50%	834	235	965	272	1,015	298	1,066	313	1,027	315	1,027	315	1,001	321
447	West Bench	0%	0	0	0	0	0	0	40	16	94	40	171	73	242	111
448	West Bench	0%	98	26	98	26	84	26	200	62	320	119	527	196	613	285
449	West Bench	0%	1	0	0	0	0	0	50	20	118	51	214	92	302	140
450	West Bench	0%	53	18	53	18	52	18	61	21	74	26	94	33	112	40
451	West Bench	100%	605	180	605	180	596	180	600	181	598	183	604	185	602	187
452	West Bench	50%	347	117	350	118	349	118	349	118	348	118	348	118	347	118
453	West Bench	100%	84	29	84	29	83	29	83	29	82	29	82	29	81	29
454	West Bench	100%	52	17	52	17	53	17	53	17	54	17	57	18	62	19
455	West Bench	0%	720	249	720	249	707	249	716	252	717	257	736	264	744	272
456	West Bench	100%	407	135	407	135	404	135	404	135	402	135	402	135	399	135
457	West Bench	100%	58	19	58	19	55	19	58	20	61	22	67	24	69	26
458	West Bench	100%	8	3	8	3	8	3	8	3	8	3	8	3	8	3
459	West Bench	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
460	West Bench	0%	0	0	0	0	0	0	12	5	30	13	56	24	83	38
461	West Bench	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
462	West Bench	0%	1	1	1	1	1	1	1	1	2	1	2	1	0	0
463	West Bench	100%	1,918	823	1,925	826	1,876	827	2,042	900	2,238	1,014	2,578	1,168	2,891	1,348
464	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
465	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
466	West Bench	100%	898	327	901	328	898	329	955	350	1,033	381	1,147	423	1,275	473
467	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
468	West Bench	100%	1,680	651	1,701	659	1,693	668	1,713	676	1,694	681	1,706	686	1,701	697
469	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
470	West Bench	100%	203	74	203	74	195	74	200	76	201	80	214	85	218	91

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COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
471	West Bench	100%	1,016	397	1,016	397	1,002	397	1,005	398	996	400	1,003	403	999	407
472	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
473	West Bench	100%	659	266	661	267	648	270	657	274	645	278	656	283	650	290
474	West Bench	100%	79	31	79	31	79	31	81	32	86	34	91	36	96	38
475	West Bench	100%	848	415	852	417	834	421	850	429	841	438	861	448	861	463
476	West Bench	100%	771	336	785	342	785	353	811	365	807	375	830	386	838	403
477	West Bench	25%	438	206	442	208	425	209	435	214	427	220	442	228	441	239
478	West Bench	100%	611	272	615	274	603	278	764	352	973	465	1,289	616	1,600	794
479	West Bench	100%	0	0	0	0	0	0	102	42	238	108	434	197	594	300
480	West Bench	100%	1,131	655	1,140	660	1,148	661	1,243	716	1,401	802	1,603	918	1,853	1,055
481	West Bench	100%	0	0	0	0	0	0	87	35	210	90	383	164	545	250
482	West Bench	100%	1,542	577	1,547	579	1,455	583	1,550	621	1,572	678	1,745	753	1,807	844
483	West Bench	100%	97	27	97	27	89	27	106	32	118	39	148	49	167	61
484	West Bench	100%	378	207	378	207	381	207	503	273	699	376	955	514	1,267	676
485	West Bench	100%	0	0	0	0	0	0	27	11	60	27	108	49	150	75
486	West Bench	100%	384	154	386	155	365	157	526	226	719	333	1,028	476	1,286	645
487	West Bench	100%	181	73	181	73	160	73	186	85	195	103	242	128	251	157
488	West Bench	100%	286	111	286	111	280	111	356	141	465	188	621	251	788	325
489	West Bench	100%	415	161	503	195	528	221	685	287	812	369	1,040	473	1,220	607
490	West Bench	100%	102	0	102	0	102	0	102	0	102	0	102	0	102	0
491	West Bench	100%	3	1	3	1	3	1	3	1	3	1	3	1	0	0
492	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
493	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
494	West Bench	100%	9	4	9	4	9	4	99	46	232	112	416	201	604	305
495	West Bench	100%	552	221	702	281	874	363	1,006	418	1,100	475	1,260	544	1,429	642
496	West Bench	100%	1,350	507	1,363	512	1,314	518	1,662	655	2,086	865	2,764	1,146	3,379	1,478
497	West Bench	100%	998	337	1,007	340	982	346	1,067	376	1,134	418	1,283	473	1,398	540
498	West Bench	100%	163	62	181	69	227	84	248	92	255	92	255	92	261	92
499	West Bench	100%	625	235	628	236	610	236	610	236	592	236	592	236	574	236
500	West Bench	100%	132	44	156	52	159	55	179	62	198	71	228	82	254	95
501	West Bench	0%	18	12	18	12	23	12	90	48	238	105	413	182	722	272
502	West Bench	100%	848	242	848	242	835	242	838	243	831	245	841	248	841	252
503	West Bench	0%	0	0	0	0	0	0	10	4	23	10	42	18	56	26
504	West Bench	50%	30	20	30	20	39	20	62	32	120	50	177	74	293	103
505	West Bench	0%	0	0	0	0	0	0	12	5	30	13	54	23	76	35
506	West Bench	75%	236	82	236	82	216	82	347	132	500	210	747	314	929	436
507	West Bench	100%	2	1	2	1	2	1	2	1	2	1	2	1	0	0
508	West Bench	100%	3	1	3	1	3	1	3	1	3	1	3	1	0	0
509	West Bench	100%	2	1	2	1	2	1	2	1	2	1	2	1	0	0
510	West Bench	100%	1,221	426	1,224	427	1,213	428	1,219	430	1,213	433	1,221	436	1,221	441
511	West Bench	100%	1,507	613	1,537	625	1,543	644	1,584	661	1,569	672	1,595	683	1,600	704
512	West Bench	0%	580	275	582	276	581	278	585	280	585	282	589	284	588	286
513	West Bench	100%	895	409	915	418	966	431	1,082	483	1,268	553	1,479	645	1,778	758
514	West Bench	100%	1,185	523	1,267	559	1,395	622	1,467	654	1,452	654	1,452	654	1,437	654
515	West Bench	100%	706	294	730	304	751	323	797	343	809	360	851	379	887	409
516	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
517	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
518	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
519	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
520	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
521	West Bench	100%	1,252	555	1,257	557	1,251	560	1,264	566	1,267	573	1,285	581	1,294	591
522	West Bench	100%	98	54	98	54	92	54	92	54	86	54	87	55	83	56
523	West Bench	20%	893	363	903	367	888	374	911	384	901	394	929	406	931	423
524	West Bench	100%	913	487	913	487	877	487	1,011	561	1,170	677	1,442	834	1,684	1,017
525	West Bench	100%	796	332	796	332	759	332	901	394	1,066	490	1,349	620	1,594	772
526	West Bench	100%	624	263	638	269	645	278	684	295	727	321	806	356	880	398
527	West Bench	100%	10	4	10	4	9	4	67	31	135	74	241	132	297	200
528	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
529	West Bench	100%	292	107	297	109	279	112	434	174	606	268	891	394	1,099	542
530	West Bench	100%	166	60	166	60	164	60	186	68	216	80	259	96	303	114
531	West Bench	100%	772	355	798	367	827	391	957	452	1,087	528	1,288	626	1,502	751
532	West Bench	100%	41	14	41	14	40	14	46	16	54	19	63	22	73	26
533	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
534	West Bench	100%	43	19	45	20	44	20	48	22	55	26	66	31	76	37
535	West Bench	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
536	West Bench	100%	57	16	57	16	57	16	57	16	57	16	57	16	57	16
537	West Bench	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
538	West Bench	0%	25	9	25	9	25	9	33	12	44	16	58	21	78	28
539	North End	100%	856	376	861	378	877	382	985	429	1,157	500	1,377	595	1,652	708
540	North End	100%	687	311	702	318	728	329	741	335	742	335	742	335	741	334
541	North End	100%	645	292	645	292	637	295	639	296	624	296	624	296	609	296
542	North End	100%	456	218	458	219	455	220	455	220	451	220	451	220	446	220
543	North End	100%	859	327	864	329	845	330	856	334	847	339	862	345	861	354
544	North End	100%	396	166	398	167	391	168	396	170	393	173	400	176	399	180
545	North End	100%	466	207	491	218	507	228	521	234	517	235	517	235	522	240
546	North End	100%	534	255	538	257	528	260	542	267	539	274	556	283	563	296
547	North End	100%	395	185	397	186	400	189	503	238	654	312	861	411	1,093	527
548	North End	100%	173	90	175	91	175	94	181	97	178	99	182	101	183	105
549	North End	100%	558	259	562	261	551	264	559	268	550	272	560	277	557	285
550	North End	100%	487	222	491	224	482	226	503	236	516	249	551	266	579	288
551	North End	100%	357	162	368	167	360	167	362	168	358	170	362	172	357	174
552	North End	100%	347	152	347	152	339	152	341	153	338	155	344	158	344	162
553	North End	100%	506	242	508	243	495	244	501	247	496	252	510	259	508	266
554	North End	100%	360	172	362	173	352	173	356	175	352	178	360	182	357	186
555	North End	100%	157	75	157	75	150	75	154	77	150	79	156	82	156	86
556	North End	100%	265	131	267	132	267	133	267	133	266	133	268	134	268	135
557	North End	100%	214	117	214	117	211	117	212	118	211	119	213	120	213	122
558	North End	100%	736	373	738	374	719	375	729	380	721	387	738	396	737	408
559	North End	100%	151	65	156	67	152	67	154	68	152	69	155	70	153	71
560	North End	100%	797	425	799	426	775	427	786	433	777	442	798	454	796	469
561	North End	100%	855	507	858	509	841	510	848	514	838	520	851	528	847	538
562	North End	100%	370	184	372	185	364	186	368	188	364	191	372	195	373	201
563	North End	100%	359	166	361	167	349	167	354	169	350	173	360	178	359	184
564	North End	100%	681	302	683	303	673	304	680	307	676	311	685	315	684	321

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COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
565	North End	100%	682	308	686	310	672	310	679	313	675	318	690	325	689	332
566	North End	100%	247	101	247	101	242	101	242	101	236	101	239	102	235	103
567	North End	100%	336	158	334	157	321	157	327	160	323	165	335	171	333	178
568	North End	100%	411	209	413	210	405	211	408	213	405	217	415	222	413	227
569	North End	100%	417	208	419	209	414	210	462	234	524	270	618	318	718	376
570	North End	100%	528	257	528	257	512	257	537	270	561	291	616	320	657	353
571	North End	100%	529	213	534	215	516	218	578	244	635	282	748	332	836	391
572	North End	100%	67	34	69	35	67	35	73	38	78	42	89	48	99	55
573	North End	100%	409	229	411	230	398	231	454	264	523	316	639	386	744	468
574	North End	100%	562	264	566	266	556	268	568	274	570	282	592	293	602	306
575	North End	100%	127	63	127	63	126	63	202	101	321	161	482	242	667	337
576	North End	100%	594	248	596	249	577	252	669	292	771	353	948	434	1,102	530
577	Garden City	0%	673	344	675	345	671	348	700	363	727	383	777	409	825	441
578	Garden City	0%	413	168	460	187	534	218	574	234	572	234	572	234	571	234
579	Garden City	0%	326	132	375	152	422	175	451	187	441	187	441	187	430	187
580	Garden City	0%	732	302	739	305	742	311	749	314	737	314	737	314	724	314
581	Garden City	0%	631	284	633	285	617	286	617	286	598	286	598	286	580	286
582	Garden City	0%	51	32	51	32	55	32	132	77	271	148	446	244	693	356
583	Boise Northwest	100%	1,081	561	1,083	562	1,050	564	1,080	580	1,086	604	1,144	636	1,170	675
584	Boise Northwest	50%	402	157	430	168	485	190	528	207	552	217	575	226	621	245
585	Boise Northwest	100%	342	138	416	168	516	217	859	361	1,246	547	1,793	787	2,377	1,091
586	Boise Northwest	100%	25	10	28	11	30	12	30	12	31	12	31	12	31	12
587	Boise Northwest	70%	567	220	621	241	675	281	980	408	1,282	575	1,765	792	2,186	1,064
588	Boise Northwest	100%	1,332	516	1,389	538	1,519	579	1,650	629	1,799	675	1,942	729	2,192	810
589	Boise Northwest	100%	225	96	227	97	222	97	225	98	222	99	224	100	223	102
590	Boise Northwest	100%	111	61	131	72	146	84	161	93	162	98	168	102	177	113
591	Boise Northwest	100%	23	8	26	9	23	9	196	76	411	180	731	320	963	484
592	Boise Northwest	100%	134	51	137	52	131	53	160	65	194	84	254	110	300	140
593	Boise Northwest	100%	340	133	340	133	331	133	331	133	322	133	322	133	313	133
594	Boise Northwest	100%	870	386	926	411	945	417	990	437	1,056	464	1,136	499	1,242	543
595	Boise Northwest	100%	372	165	381	169	396	176	405	180	405	180	405	180	402	179
596	Boise Northwest	100%	281	122	293	127	330	137	332	138	347	138	347	138	361	138
597	Boise Northwest	100%	472	240	474	241	466	242	524	272	599	318	716	380	837	454
598	Boise Northwest	100%	348	148	355	151	348	151	348	151	340	151	340	151	330	150
599	Boise Northwest	100%	43	19	43	19	42	19	42	19	44	20	46	21	48	22
600	Boise Northwest	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
601	Boise Northwest	100%	1,230	505	1,232	506	1,226	507	1,229	508	1,220	508	1,220	508	1,211	508
602	Boise Northwest	100%	972	435	981	439	996	446	1,012	453	1,024	459	1,040	466	1,062	476
603	Boise Northwest	100%	1,276	548	1,285	552	1,256	554	1,342	592	1,435	650	1,607	728	1,760	820
604	Boise Northwest	100%	137	76	137	76	139	76	166	91	210	114	267	145	337	181
605	Boise Northwest	100%	423	216	423	216	420	216	531	273	699	362	929	481	1,189	620
606	Boise Northwest	100%	768	328	770	329	760	332	785	343	803	359	850	380	882	404
607	Boise Northwest	100%	890	383	892	384	886	385	890	387	886	389	893	392	893	396
608	Boise Northwest	100%	534	241	547	247	574	258	590	265	594	266	594	266	604	269
609	Boise Northwest	100%	823	340	828	342	827	346	837	350	832	352	836	354	840	360
610	Boise Northwest	100%	238	95	266	106	271	109	276	111	273	111	273	111	258	106
611	Boise Foothills	100%	204	74	207	75	203	75	231	85	267	100	320	120	375	143

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COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
612	Boise Foothills	100%	758	343	771	349	803	358	821	366	845	371	854	375	888	384
613	Boise Foothills	0%	174	69	177	70	177	71	197	79	223	91	263	107	305	126
614	Boise Foothills	100%	10	3	17	5	27	9	35	12	36	14	41	16	44	20
615	Boise Foothills	100%	229	95	236	98	240	101	245	103	241	103	241	103	239	104
616	Boise Foothills	100%	154	67	161	70	175	75	182	78	185	78	185	78	176	73
617	Boise Foothills	80%	185	100	272	147	463	217	482	226	546	226	546	226	607	225
618	Boise Foothills	100%	126	46	129	47	146	50	149	51	158	51	158	51	167	51
619	Boise Foothills	100%	517	216	527	220	529	225	548	233	556	241	579	251	603	266
620	Boise Foothills	100%	410	118	413	119	375	119	379	120	343	121	349	123	314	125
621	Boise Foothills	100%	1,148	482	1,158	486	1,148	494	1,157	498	1,128	498	1,128	498	1,100	499
622	Boise Foothills	70%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
623	Boise Foothills	80%	1,104	412	1,187	443	1,308	489	1,409	527	1,500	562	1,609	603	1,768	664
624	Boise Foothills	100%	42	15	48	17	48	17	51	18	54	19	57	20	64	22
625	Boise Foothills	40%	293	103	307	108	314	112	319	114	314	114	314	114	295	109
626	Boise Foothills	40%	823	311	828	313	818	316	836	323	837	331	860	340	872	353
627	Boise Foothills	100%	1,813	796	1,900	834	1,989	892	2,062	925	2,057	943	2,090	958	2,120	994
628	Boise Foothills	80%	381	141	384	142	378	143	391	148	400	155	424	164	444	176
629	Boise Foothills	100%	925	459	929	461	903	464	921	473	909	484	935	498	934	516
630	Boise Foothills	100%	373	31	373	31	372	31	372	31	372	31	372	31	371	31
631	Foothills Rural	40%	0	0	0	0	0	0	3	1	8	3	15	6	25	10
632	Foothills Rural	0%	108	38	108	38	107	38	124	44	147	53	181	65	215	78
633	Foothills Rural	100%	27	10	348	129	932	349	1,367	512	1,949	738	2,734	1,035	3,655	1,399
634	Foothills Rural	100%	7	3	9	4	10	4	10	4	11	4	11	4	12	4
635	Foothills Rural	100%	58	20	61	21	71	24	159	54	297	99	477	159	705	231
636	Foothills Rural	0%	877	293	877	293	868	293	868	293	858	293	858	293	849	293
637	Foothills Rural	100%	473	141	1,134	338	2,295	705	2,399	737	2,325	737	2,325	737	2,252	737
638	Foothills Rural	100%	1,747	539	1,867	576	1,930	607	2,012	633	2,023	649	2,073	665	2,129	697
639	Foothills Rural	0%	15	5	15	5	14	5	14	5	13	5	13	5	12	5
640	Foothills Rural	0%	42	13	45	14	43	14	46	15	49	17	55	19	57	21
641	Foothills Rural	0%	275	108	278	109	261	110	261	110	241	110	241	110	221	110
642	Foothills Rural	0%	0	0	0	0	0	0	3	1	5	2	8	3	13	5
643	Foothills Rural	0%	0	0	0	0	0	0	0	0	2	1	5	2	6	3
644	Foothills Rural	0%	4	3	4	3	4	3	4	3	4	3	4	3	4	3
645	Foothills Rural	0%	7	2	7	2	6	2	9	3	11	4	16	6	19	8
646	Foothills Rural	15%	12	4	12	4	11	4	11	4	14	5	16	6	18	7
647	Foothills Rural	50%	20	7	29	10	41	14	61	21	86	29	113	38	154	51
648	Foothills Rural	40%	113	45	126	50	153	59	179	69	205	77	229	86	274	100
649	Foothills Rural	85%	15	6	33	13	41	15	43	16	47	16	47	16	50	16
650	Foothills Rural	100%	43	16	578	215	1,522	556	1,736	634	1,799	645	1,799	645	1,923	677
651	Foothills Rural	50%	133	45	216	73	329	111	392	132	399	134	399	134	422	141
652	Foothills Rural	100%	2	1	238	119	800	339	1,211	513	2,058	756	2,929	1,076	4,522	1,467
654	Garden City	0%	59	39	59	39	59	39	59	39	59	39	59	39	60	40
655	West Bench	100%	1,100	390	1,111	394	1,122	402	1,133	406	1,121	406	1,121	406	1,108	406
656	West Bench	100%	186	67	186	67	179	67	192	72	204	80	232	91	256	105
657	Garden City	0%	66	26	69	27	64	28	69	30	65	32	69	34	68	38
658	Garden City	100%	18	7	18	7	18	7	18	7	18	7	18	7	18	7
659	Garden City	0%	10	5	10	5	9	5	9	5	9	5	9	5	8	5

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COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
660	Garden City	0%	726	303	726	303	708	303	715	306	708	311	724	318	725	327
661	Garden City	20%	46	21	50	23	57	26	62	28	64	29	67	30	74	33
662	Garden City	0%	251	112	251	112	246	112	257	117	270	125	293	136	317	150
663	Garden City	0%	801	305	814	310	798	319	831	332	821	345	859	361	866	384
664	Garden City	0%	479	236	487	240	486	244	490	246	480	246	480	246	471	246
665	Garden City	0%	470	246	497	260	549	287	576	301	577	301	577	301	577	300
667	Garden City	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
668	Garden City	0%	48	24	50	25	50	26	54	28	56	30	62	33	69	38
669	Garden City	0%	6	3	6	3	5	3	7	4	8	5	10	6	12	8
670	Garden City	0%	70	28	70	28	66	28	95	40	131	59	187	84	238	114
671	Garden City	0%	3	2	3	2	3	2	17	10	42	23	73	40	119	60
672	Garden City	0%	12	6	12	6	11	6	11	6	11	6	11	6	10	6
673	Garden City	0%	350	116	356	118	360	121	365	123	360	123	360	123	354	123
674	Garden City	0%	395	239	403	244	403	251	413	257	408	261	414	265	414	273
675	Garden City	0%	424	164	434	168	430	174	467	189	490	208	549	233	595	265
676	Garden City	0%	152	54	158	56	164	59	176	63	185	67	198	72	216	79
677	Garden City	0%	230	94	240	98	256	111	371	161	493	228	681	315	855	423
678	Garden City	0%	173	64	173	64	160	65	160	65	145	65	145	65	130	65
679	Garden City	0%	229	74	232	75	215	76	272	96	324	126	429	167	498	216
680	Garden City	0%	81	30	81	30	74	30	86	35	95	43	119	54	134	68
681	Garden City	0%	357	133	357	133	345	133	350	135	343	137	350	140	347	144
682	Garden City	0%	322	121	322	121	323	124	339	130	347	136	365	143	382	153
683	Garden City	0%	431	170	444	175	450	189	538	226	608	273	742	333	852	411
684	Garden City	0%	243	104	266	114	299	133	341	152	360	167	394	183	433	210
685	Garden City	0%	20	13	20	13	20	13	21	14	24	16	27	18	32	21
686	Garden City	0%	50	22	39	17	36	17	40	19	43	22	50	26	53	30
687	Garden City	0%	154	77	150	75	150	75	221	111	332	167	483	243	656	331
688	Garden City	0%	66	48	67	49	86	49	87	50	108	51	110	52	132	53
689	Garden City	0%	387	203	414	217	423	243	440	253	417	265	442	281	423	301
690	Garden City	0%	14	6	14	6	14	6	117	52	273	125	487	223	711	337
691	Garden City	0%	12	6	10	5	10	5	112	55	275	133	490	237	755	359
692	Garden City	60%	7	2	7	2	7	2	7	2	7	2	7	2	7	2
693	Garden City	50%	658	356	660	357	641	358	667	373	683	395	735	425	770	461
694	Garden City	100%	81	43	81	43	83	43	150	78	258	132	401	205	578	290
695	Garden City	100%	63	33	65	34	65	34	69	36	75	39	83	43	91	47
696	Garden City	0%	267	126	267	126	261	126	328	158	422	208	558	275	702	354
697	Eagle-Floating Feather	100%	337	95	341	96	336	97	339	98	334	99	337	100	335	102
698	Eagle-State Corridor	100%	846	236	850	237	846	239	853	241	849	243	856	245	851	247
699	Eagle-Floating Feather	100%	164	44	164	44	163	44	163	44	161	44	161	44	164	45
700	Eagle-State Corridor	100%	533	150	647	182	746	215	947	273	1,143	338	1,414	418	1,734	526
701	Eagle-Floating Feather	100%	138	37	142	38	136	38	143	40	147	43	161	47	170	52
702	Eagle-State Corridor	100%	75	25	90	30	120	39	272	88	498	157	786	248	1,172	360
703	Eagle-Floating Feather	100%	53	13	200	49	268	70	321	84	314	88	318	89	335	101
704	Eagle-Floating Feather	100%	70	24	73	25	75	25	117	39	187	61	280	91	397	126
705	Eagle-Floating Feather	100%	131	42	143	46	154	50	188	61	228	75	282	93	344	115
706	Eagle-South River	10%	211	90	218	93	219	97	228	101	224	103	229	105	230	110
707	Eagle-State Corridor	50%	42	13	48	15	53	18	100	34	150	57	229	87	288	124

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TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
708	Eagle-Floating Feather	100%	178	53	282	84	415	128	487	150	469	150	469	150	452	150
709	Eagle-Floating Feather	100%	222	66	246	73	274	83	314	95	344	106	386	119	439	138
710	Eagle-Floating Feather	0%	55	16	55	16	51	16	51	16	47	16	50	17	49	18
711	Eagle-Floating Feather	0%	177	52	184	54	188	57	201	61	211	66	230	72	247	80
712	Eagle-State Corridor	0%	600	282	604	284	603	288	607	290	597	290	597	290	575	284
713	Eagle-State Corridor	75%	189	63	234	78	270	88	286	93	292	93	292	93	289	90
714	Eagle-State Corridor	50%	104	40	104	40	107	40	107	40	110	40	110	40	114	40
715	Eagle-State Corridor	0%	351	147	356	149	354	152	393	169	435	192	505	223	575	261
716	Eagle-Floating Feather	0%	395	118	445	133	489	149	538	164	563	175	598	186	646	205
717	Eagle-Floating Feather	0%	1,106	336	1,122	341	1,141	351	1,157	356	1,142	356	1,142	356	1,127	356
718	Eagle-Central	0%	1,048	407	1,051	408	1,029	408	1,034	410	1,019	413	1,029	417	1,017	421
719	Eagle-Central	0%	1,257	476	1,273	482	1,285	495	1,304	502	1,282	502	1,282	502	1,260	502
720	Eagle-Central	0%	434	186	439	188	426	188	433	191	432	196	447	203	453	212
721	Eagle-Central	0%	248	101	250	102	243	103	267	113	289	128	335	148	370	171
722	Eagle-Central	0%	109	62	111	63	116	63	174	95	277	145	405	212	574	289
723	Eagle-Central	0%	554	207	562	210	568	215	584	221	590	226	603	231	617	239
724	Eagle-Central	0%	547	221	552	223	544	225	547	226	534	226	534	226	522	226
725	Eagle-Central	0%	728	260	731	261	727	263	729	264	720	264	720	264	704	262
726	Eagle-Central	0%	0	0	0	0	0	0	9	4	22	10	40	18	58	27
727	Eagle-Central	0%	59	42	60	43	69	44	71	45	78	45	78	45	88	46
728	Eagle-Central	0%	29	20	29	20	28	20	28	20	27	20	29	21	29	22
729	Eagle-Central	0%	120	59	120	59	133	59	146	65	183	74	212	86	268	100
730	Eagle-Central	0%	271	129	275	131	266	131	319	157	387	197	493	251	595	314
731	Eagle-Central	0%	150	43	150	43	140	43	144	44	140	46	149	49	150	53
732	Eagle-Central	0%	109	54	111	55	112	57	114	58	110	58	110	58	100	54
733	Eagle-Island	0%	3	1	120	40	296	111	325	122	300	129	316	136	298	150
734	Eagle-Island	0%	0	0	3	1	5	2	5	2	5	2	5	2	0	0
735	Eagle-Island	0%	0	0	166	62	427	152	514	183	554	188	540	183	618	200
736	Eagle-Island	0%	18	8	23	10	22	10	69	32	138	67	235	114	335	170
737	Eagle-Island	0%	0	0	3	1	10	4	13	5	13	5	13	5	0	0
738	Eagle-Island	100%	932	335	946	340	937	350	961	359	938	365	951	370	939	381
739	Eagle-State Corridor	0%	362	136	365	137	358	138	363	140	363	144	376	149	380	155
740	Eagle-State Corridor	0%	26	12	26	12	25	12	25	12	25	13	27	14	27	15
741	Eagle-State Corridor	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
742	Eagle-State Corridor	0%	421	185	421	185	402	185	402	185	384	185	384	185	365	185
743	Eagle-State Corridor	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
744	Eagle-South River	75%	884	306	1,017	352	1,119	394	1,247	439	1,349	483	1,349	483	1,682	613
745	Eagle-South River	100%	866	280	878	284	897	290	909	294	912	295	912	295	927	300
746	Eagle-South River	60%	161	47	175	51	181	58	341	109	518	183	795	281	1,013	400
747	Eagle-South River	60%	42	12	42	12	41	12	41	12	40	12	40	12	39	12
748	Eagle-South River	100%	18	5	18	5	17	5	17	5	16	5	16	5	15	5
749	Eagle-South River	85%	881	343	940	366	1,000	391	1,038	406	1,041	409	1,041	409	1,057	417
750	Eagle-South River	50%	294	91	401	124	506	159	545	171	537	171	537	171	529	171
751	Eagle-Island	100%	111	42	338	128	551	209	630	239	628	239	628	239	629	240
752	Eagle-Island	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
753	Eagle-Central	0%	1,384	490	1,426	505	1,468	533	1,521	552	1,501	559	1,512	563	1,519	581
754	Eagle-Central	0%	19	9	19	9	18	9	18	9	18	9	18	9	19	10

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COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
755	Eagle-Floating Feather	0%	2,332	730	2,351	736	2,359	748	2,391	758	2,379	764	2,395	769	2,403	782
756	Eagle-Floating Feather	0%	548	207	548	207	536	207	541	209	537	212	547	216	547	221
757	Eagle/Star	0%	37	15	511	207	1,397	516	1,543	570	1,679	570	1,679	570	1,813	569
758	Eagle/Star	0%	22	8	22	8	22	8	196	70	475	167	847	298	1,306	452
759	Eagle/Star	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
760	Eagle/Star	0%	2	1	2	1	2	1	69	31	192	78	347	141	578	215
761	Eagle/Star	0%	9	4	151	67	474	184	500	194	563	194	563	194	630	195
762	Eagle/Star	0%	8	5	8	5	8	5	10	6	11	7	13	8	15	9
763	Eagle/Star	0%	7	2	7	2	7	2	113	34	265	84	477	151	680	228
764	Eagle/Star	0%	6	4	6	4	6	4	6	4	6	4	6	4	6	4
765	Eagle/Star	0%	8	4	134	67	447	184	481	198	583	204	594	208	726	221
766	Eagle/Star	0%	9	3	12	4	11	4	48	18	91	39	156	67	202	101
767	Eagle/Star	0%	8	3	8	3	8	3	45	18	97	41	173	73	245	110
768	Eagle/Star	0%	21	6	329	94	899	264	1,189	349	1,285	388	1,378	416	1,616	502
769	Eagle/Star	0%	12	3	12	3	11	3	222	60	508	150	919	271	1,274	413
770	Eagle/Star	0%	37	13	37	13	36	13	321	116	746	277	1,328	493	1,953	746
771	Eagle/Star	0%	103	37	120	43	152	53	167	58	172	58	172	58	178	58
772	Star	0%	6	3	6	3	6	3	6	3	6	3	6	3	6	3
773	Eagle/Star	0%	60	23	60	23	59	24	176	71	340	145	571	244	795	360
774	Eagle/Star	0%	8	3	11	4	20	7	23	8	24	8	24	8	22	7
775	East Foothills	0%	88	30	88	30	82	30	90	33	93	37	108	43	116	50
776	East Foothills	0%	70	23	94	31	138	47	161	55	178	63	203	72	233	86
777	East Foothills	0%	63	22	69	24	79	28	107	38	141	51	185	67	238	88
778	East Foothills	0%	34	16	38	18	47	21	67	30	99	42	137	58	193	78
779	East Foothills	0%	1	1	1	1	2	1	28	18	94	44	168	79	323	120
780	East Foothills	100%	1	0	0	0	0	0	116	46	306	117	557	213	883	326
781	East Foothills	100%	6	2	6	2	6	2	160	55	392	139	711	252	1,046	383
782	East Foothills	0%	0	0	0	0	0	0	17	7	42	18	78	33	116	50
783	East Foothills	0%	1	1	1	1	1	1	1	1	0	1	0	1	0	0
784	East Foothills	0%	6	2	6	2	6	2	6	2	6	2	6	2	6	2
785	East Foothills	100%	90	30	93	31	90	32	116	41	143	54	191	72	230	93
786	East Foothills	0%	33	14	35	15	37	17	51	23	61	30	79	39	94	50
787	West Foothills	0%	0	0	0	0	0	0	1,275	442	3,083	1,134	5,614	2,065	8,053	3,154
788	West Foothills	0%	114	37	129	42	134	45	149	50	159	55	174	60	191	68
789	West Foothills	0%	47	18	50	19	53	20	218	82	485	179	837	309	1,274	462
790	West Foothills	0%	0	0	0	0	0	0	593	199	1,483	510	2,701	929	4,025	1,419
791	West Foothills	0%	45	10	45	10	43	10	43	10	40	10	40	10	38	10
792	West Foothills	0%	93	29	103	32	111	38	123	42	114	43	114	43	112	47
793	West Foothills	0%	4	1	4	1	4	1	265	73	602	185	1,094	336	1,476	512
794	West Foothills	0%	58	26	58	26	65	26	313	125	778	280	1,355	488	2,230	731
795	West Foothills	0%	24	12	24	12	28	12	291	125	801	302	1,435	541	2,443	820
796	West Foothills	0%	178	59	187	62	179	67	187	70	164	70	164	70	140	70
797	West Foothills	0%	0	0	0	0	0	0	192	64	482	164	876	298	1,313	455
798	West Foothills	0%	185	60	216	70	270	89	297	98	293	98	293	98	285	97
799	West Foothills	0%	97	31	100	32	99	33	105	35	105	37	111	39	114	42
800	West Foothills	0%	197	68	203	70	207	74	230	82	246	91	273	101	300	115
801	West Foothills	0%	140	45	143	46	141	48	150	51	152	55	166	60	171	66

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COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
802	West Foothills	0%	138	49	141	50	132	50	132	50	124	50	126	51	120	52
803	Northwest Rural Ada	0%	114	41	128	46	154	56	171	62	172	63	172	63	174	64
804	Northwest Rural Ada	0%	172	55	178	57	180	59	898	295	1,964	663	3,433	1,159	5,009	1,740
805	Northwest Rural Ada	0%	114	38	117	39	125	41	348	114	706	227	1,178	379	1,765	558
806	Northwest Rural Ada	0%	704	216	730	224	762	238	784	245	770	245	770	245	756	245
807	Northwest Rural Ada	0%	86	25	89	26	90	27	93	28	93	29	96	30	96	31
808	Star	0%	921	308	993	332	1,134	378	1,206	402	1,216	404	1,216	404	1,232	408
809	Star	0%	21	7	21	7	21	7	21	7	22	7	22	7	22	7
810	Star	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
811	Star	0%	33	12	33	12	30	12	30	12	27	12	29	13	28	14
812	Star	0%	249	71	256	73	258	76	275	81	285	87	308	94	329	104
813	Star	0%	58	17	58	17	58	17	58	17	58	17	58	17	58	17
814	Star	0%	68	25	68	25	68	25	68	25	68	25	68	25	68	25
815	Star	0%	219	74	275	93	334	115	375	129	380	133	382	134	406	145
816	Star	0%	282	78	383	106	454	130	576	165	676	201	820	244	987	305
817	Star	0%	323	94	412	120	568	170	719	215	797	245	891	274	1,046	331
818	Star	0%	271	92	339	115	384	132	410	141	405	141	405	141	380	134
819	Star	0%	266	73	415	114	595	172	720	208	715	218	718	219	765	247
820	Star	0%	16	6	16	6	15	6	15	6	14	6	14	6	14	6
821	Star	0%	343	113	352	116	350	117	353	118	353	120	362	123	365	126
822	Star	0%	153	60	166	65	187	74	202	80	205	82	205	82	214	86
823	Star	0%	15	5	18	6	23	8	25	9	24	9	24	9	12	5
824	Star	0%	1,032	349	1,035	350	1,009	351	1,012	352	983	352	983	352	960	354
825	Star	0%	249	96	252	97	252	100	272	108	285	117	315	129	340	144
826	Star	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
827	Star	0%	100	36	100	36	97	36	103	38	105	40	113	43	120	47
828	Star	0%	26	12	28	13	30	14	65	30	118	55	189	88	271	127
829	Star	0%	87	24	91	25	91	27	520	154	1,099	352	1,930	618	2,671	930
830	Star	0%	25	12	25	12	27	12	263	118	674	284	1,203	507	1,934	768
831	Star	0%	775	274	863	305	1,005	352	1,156	405	1,297	450	1,444	501	1,687	580
832	Star	0%	414	151	1,053	384	2,266	812	2,450	878	2,493	878	2,493	878	2,536	878
833	Star	0%	170	58	185	63	208	72	223	77	220	77	220	77	217	77
834	Star	0%	28	8	28	8	27	8	232	68	540	162	960	288	1,415	435
835	Star	0%	13	7	13	7	16	7	144	62	412	148	735	264	1,302	401
836	Star	0%	14	6	14	6	13	6	15	7	18	9	22	11	26	14
837	North Meridian	50%	197	61	200	62	204	64	220	69	235	75	257	82	281	91
838	North Meridian	100%	130	43	333	110	729	235	980	316	1,339	421	1,772	557	2,374	728
839	Star	0%	23	9	26	10	30	11	417	152	1,095	373	1,968	670	3,184	1,018
840	Star	0%	22	10	22	10	25	10	203	80	547	190	975	339	1,649	513
841	North Meridian	0%	34	11	34	11	32	11	74	25	132	47	216	77	295	111
842	North Meridian	50%	49	17	432	150	961	321	1,084	362	1,174	378	1,199	386	1,361	423
843	North Meridian	0%	1,525	500	1,577	517	1,599	531	1,620	538	1,600	538	1,600	538	1,561	532
844	North Meridian	0%	535	186	644	224	695	242	724	252	726	253	726	253	727	254
845	North Meridian	50%	599	186	921	286	1,335	420	1,411	444	1,401	447	1,401	447	1,410	456
846	North Meridian	20%	127	37	127	37	124	37	144	43	170	52	213	65	255	80
847	North Meridian	0%	1,221	396	1,249	405	1,288	421	1,291	422	1,280	422	1,280	422	1,270	422
848	North Meridian	0%	1,163	360	1,237	383	1,354	425	1,431	449	1,468	467	1,530	487	1,614	521

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COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
849	North Meridian	0%	604	192	843	268	1,162	384	1,352	447	1,400	482	1,490	513	1,626	584
850	North Meridian	0%	45	5	54	6	41	6	122	18	168	37	285	63	216	94
851	North Meridian	0%	24	10	24	10	27	10	43	16	73	25	109	37	167	52
852	North Meridian	0%	24	4	516	86	1,214	239	1,280	252	1,047	252	1,047	252	815	252
853	North Meridian	0%	25	6	25	6	24	6	28	7	31	8	39	10	46	12
854	North Meridian	0%	18	5	18	5	16	5	39	12	68	23	112	38	148	56
855	North Meridian	0%	3	1	3	1	3	1	11	4	22	8	35	13	49	19
856	North Meridian	0%	13	2	13	2	11	2	49	9	89	20	156	35	183	53
857	North Meridian	0%	7	4	7	4	7	4	9	5	11	6	12	7	16	9
858	North Meridian	0%	23	8	23	8	22	8	28	10	36	13	47	17	59	22
859	North Meridian	0%	37	16	37	16	36	16	68	30	116	53	184	84	254	119
860	North Meridian	0%	44	17	49	19	59	23	87	34	118	47	161	64	213	86
861	North Meridian	0%	15	5	18	6	21	7	21	7	21	7	21	7	15	5
862	North Meridian	0%	12	4	12	4	12	4	12	4	12	4	12	4	12	4
863	North Meridian	0%	11	4	11	4	11	4	11	4	11	4	11	4	11	4
864	North Meridian	0%	56	21	56	21	58	21	66	24	83	29	103	36	131	44
865	North Meridian	0%	13	2	13	2	10	2	68	13	118	30	208	53	209	79
866	North Meridian	0%	6	2	6	2	6	2	52	18	118	43	211	77	302	116
867	North Meridian	0%	8	4	8	4	7	4	7	4	6	4	6	4	7	5
868	North Meridian	0%	5	2	5	2	4	2	4	2	4	2	4	2	3	2
869	North Meridian	0%	3	1	3	1	2	1	2	1	1	1	1	1	0	0
870	North Meridian	0%	11	3	231	63	526	149	572	162	549	162	549	162	527	162
871	North Meridian	0%	7	2	7	2	6	2	51	16	109	37	191	65	262	99
872	North Meridian	0%	332	93	332	93	323	93	323	93	314	93	314	93	305	93
873	North Meridian	0%	15	6	15	6	15	6	41	16	81	31	133	51	197	74
874	North Meridian	0%	13	5	13	5	13	5	39	15	79	30	132	50	197	74
875	North Meridian	0%	39	16	39	16	39	16	39	16	38	16	38	16	38	16
876	North Meridian	0%	30	11	30	11	29	11	29	11	28	11	28	11	30	12
877	North Meridian	0%	34	13	251	96	671	249	755	280	852	307	938	338	1,101	386
878	North Meridian	0%	20	6	20	6	19	6	235	74	548	181	985	325	1,422	494
879	North Meridian	0%	10	3	10	3	10	3	140	44	325	108	581	193	834	293
880	North Meridian	0%	0	0	428	128	1,085	368	1,147	389	994	389	994	389	841	389
881	North Meridian	0%	1	0	0	0	0	0	133	42	323	107	588	195	847	297
882	North Meridian	0%	1,594	467	1,594	467	1,562	467	1,586	474	1,589	485	1,638	500	1,665	519
883	North Meridian	0%	683	185	727	197	718	200	775	216	830	238	931	267	1,023	302
884	North Meridian	0%	1,207	343	1,225	348	1,205	349	1,240	359	1,267	374	1,335	394	1,392	419
885	North Meridian	0%	1,042	310	1,042	310	1,013	310	1,019	312	996	314	1,005	317	988	321
886	North Meridian	0%	1,205	330	1,490	408	1,632	462	1,731	490	1,672	490	1,672	490	1,613	490
887	North Meridian	0%	875	234	942	252	963	266	996	275	970	277	970	277	954	282
888	North Meridian	0%	639	198	642	199	629	199	629	199	616	199	616	199	603	199
889	North Meridian	0%	222	68	222	68	217	68	226	71	237	76	258	83	273	90
890	North Meridian	0%	613	178	2,190	636	4,361	1,377	4,642	1,466	4,236	1,466	4,236	1,466	3,830	1,466
891	North Meridian	0%	619	165	627	167	577	168	580	169	527	169	527	169	473	169
892	North Meridian	0%	135	38	369	104	752	227	835	252	843	274	919	299	956	337
893	North Meridian	0%	92	28	174	53	293	100	384	131	445	173	587	228	656	296
894	North Meridian	0%	820	241	908	267	1,024	308	1,123	338	1,142	352	1,175	362	1,241	392
895	North Meridian	0%	195	59	456	138	753	231	861	264	884	275	894	278	967	305

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TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
896	North Meridian	0%	191	67	542	190	818	278	950	323	979	323	979	323	1,009	323
897	North Meridian	0%	152	47	288	89	369	115	417	130	420	132	420	132	439	139
898	North Meridian	0%	1,670	496	1,714	509	1,728	524	1,811	549	1,860	576	1,963	608	2,060	652
899	North Meridian	0%	1,058	313	1,413	418	1,835	578	1,924	606	1,819	613	1,822	614	1,754	635
900	North Meridian	0%	1,477	366	1,525	378	1,539	389	1,563	395	1,532	395	1,532	395	1,486	391
901	North Meridian	0%	285	97	291	99	295	100	336	114	399	135	482	163	587	198
902	North Meridian	0%	1,451	405	1,455	406	1,430	406	1,465	416	1,495	432	1,567	453	1,621	477
903	North Meridian	100%	1,439	481	1,442	482	1,428	483	1,428	483	1,411	483	1,411	483	1,388	481
904	North Meridian	100%	1,150	410	1,181	421	1,185	431	1,213	441	1,208	448	1,227	455	1,236	468
905	North Meridian	0%	239	80	284	95	365	124	382	130	376	130	376	130	373	131
906	North Meridian	100%	178	64	178	64	172	64	191	71	213	82	252	97	290	116
907	Center Meridian	0%	12	4	12	4	11	4	11	4	10	4	10	4	10	4
908	Center Meridian	0%	25	10	25	10	24	10	26	11	27	12	29	13	30	14
909	Center Meridian	0%	83	27	89	29	96	32	102	34	100	34	100	34	101	35
910	Center Meridian	0%	1,113	342	1,116	343	1,090	344	1,116	352	1,126	365	1,182	383	1,209	403
911	Center Meridian	0%	7	4	7	4	8	4	29	14	71	30	123	52	206	77
912	Center Meridian	0%	368	118	368	118	368	118	465	149	619	198	825	264	1,068	341
913	Center Meridian	0%	16	5	16	5	16	5	109	34	254	79	446	139	675	210
914	Center Meridian	0%	75	26	95	33	126	42	275	92	502	162	790	255	1,180	368
915	Center Meridian	0%	39	13	42	14	41	14	115	39	226	78	380	131	550	193
916	Center Meridian	0%	1,410	572	1,412	573	1,388	573	1,388	573	1,363	573	1,363	573	1,339	573
917	Center Meridian	0%	627	194	633	196	618	196	618	196	603	196	603	196	588	196
918	Center Meridian	0%	602	275	604	276	582	276	582	276	560	276	560	276	538	276
919	Center Meridian	0%	1,050	402	1,050	402	1,037	402	1,066	413	1,096	430	1,155	453	1,208	480
920	Center Meridian	0%	453	126	460	128	456	129	459	130	451	130	451	130	443	130
921	Center Meridian	0%	1,062	354	1,062	354	1,052	354	1,055	355	1,050	357	1,056	359	1,055	362
922	Center Meridian	0%	1,633	526	1,633	526	1,609	526	1,622	530	1,619	537	1,646	546	1,654	557
923	Center Meridian	0%	1,019	356	1,022	357	1,012	357	1,054	372	1,111	396	1,201	428	1,292	465
924	Center Meridian	0%	1,356	505	1,356	505	1,336	505	1,349	510	1,349	518	1,375	528	1,385	540
925	Center Meridian	0%	565	196	565	196	556	196	571	201	584	209	615	220	644	234
926	Center Meridian	0%	608	204	760	255	757	259	810	277	865	302	963	336	1,059	377
927	Center Meridian	0%	1,297	499	1,297	499	1,267	499	1,290	508	1,294	522	1,342	541	1,365	564
928	Center Meridian	0%	651	236	651	236	647	236	647	236	642	236	642	236	638	236
929	Center Meridian	0%	279	106	316	120	362	142	405	159	414	168	431	175	462	194
930	Center Meridian	0%	117	49	287	120	475	205	535	231	529	236	529	236	549	253
931	Center Meridian	0%	1,082	439	1,087	441	1,052	441	1,095	459	1,123	487	1,211	525	1,269	570
932	Center Meridian	0%	1,319	477	1,341	485	1,339	496	1,376	510	1,377	523	1,416	538	1,440	561
933	Center Meridian	0%	1,614	526	1,614	526	1,592	526	1,613	533	1,624	544	1,668	559	1,695	576
934	Center Meridian	0%	414	154	414	154	412	154	412	154	409	154	409	154	407	154
935	Center Meridian	0%	754	325	754	325	724	325	726	326	700	328	707	331	684	335
936	Center Meridian	0%	519	268	519	268	488	268	488	268	457	268	457	268	426	268
937	Center Meridian	0%	287	130	289	131	285	134	320	150	355	173	419	204	476	241
938	Center Meridian	0%	215	80	215	80	209	80	209	80	203	80	203	80	198	80
939	Center Meridian	0%	151	59	154	60	151	60	174	69	205	83	255	103	306	126
940	Center Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
941	Center Meridian	0%	143	55	143	55	134	55	161	66	188	83	240	106	279	133
942	Center Meridian	0%	1,041	365	1,044	366	1,032	367	1,032	367	1,017	367	1,017	367	1,002	367

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COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
943	Center Meridian	0%	378	130	378	130	373	130	419	146	484	171	581	205	687	246
944	Center Meridian	0%	378	120	410	130	426	139	484	158	537	180	620	208	707	244
945	Center Meridian	0%	11	5	59	27	103	47	186	85	281	129	401	184	555	256
946	Center Meridian	0%	639	230	656	236	648	236	684	249	733	270	809	298	888	331
947	Center Meridian	0%	29	10	29	10	28	10	31	11	33	12	35	13	37	14
948	Center Meridian	0%	30	9	30	9	27	9	84	28	154	58	260	98	333	144
949	Center Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
950	Center Meridian	0%	29	9	29	9	26	9	80	28	146	58	246	98	311	144
951	Center Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
952	Center Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
953	Center Meridian	0%	38	17	38	17	38	17	95	43	181	83	299	137	433	201
954	Center Meridian	0%	161	68	161	68	152	68	161	72	166	79	185	88	194	98
955	Center Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
956	Center Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
957	Center Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
958	Center Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
959	Center Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
960	Center Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961	Center Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
962	Center Meridian	0%	21	5	21	5	20	5	20	5	20	5	20	5	19	5
963	Center Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
964	Center Meridian	0%	196	60	196	60	194	60	194	60	191	60	191	60	189	60
965	Center Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
966	Center Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
967	Center Meridian	0%	5	1	5	1	5	1	5	1	4	1	4	1	8	2
968	Center Meridian	0%	78	29	73	27	69	27	71	28	72	30	77	32	77	34
969	Center Meridian	0%	148	67	150	68	145	68	167	78	194	94	237	115	278	140
970	Center Meridian	0%	14	11	14	11	14	11	14	11	14	11	14	11	15	11
971	Center Meridian	0%	9	6	9	6	9	6	17	11	27	18	42	28	59	39
972	Center Meridian	0%	146	67	148	68	144	69	167	80	194	97	240	120	279	146
973	Center Meridian	0%	26	9	29	10	27	10	33	12	39	15	49	19	58	24
974	Center Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
975	Center Meridian	0%	0	0	0	0	0	0	8	3	18	7	31	12	49	19
976	Center Meridian	0%	3	1	3	1	3	1	13	4	28	8	46	13	72	19
977	Center Meridian	0%	7	2	11	3	10	3	16	5	26	9	40	14	49	19
978	Center Meridian	0%	44	23	44	23	43	23	43	23	42	23	42	23	40	23
979	Center Meridian	0%	86	39	86	39	82	39	91	43	97	48	111	55	123	64
980	Center Meridian	0%	101	50	101	50	93	50	101	54	103	60	116	68	120	77
981	Center Meridian	0%	130	78	130	78	128	78	134	82	144	89	160	99	175	110
982	Center Meridian	0%	110	45	112	46	111	47	121	51	131	57	149	65	167	75
983	Center Meridian	0%	205	87	207	88	202	89	211	93	215	98	230	105	240	114
984	Center Meridian	0%	40	20	40	20	37	20	39	21	38	22	40	23	40	25
985	Center Meridian	0%	54	25	54	25	53	25	68	32	90	43	119	57	152	74
986	Center Meridian	0%	29	15	29	15	28	15	32	17	36	20	44	24	53	30
987	Center Meridian	0%	166	74	168	75	162	75	175	81	189	91	216	104	238	120
988	Center Meridian	0%	617	227	617	227	610	229	637	239	661	253	708	271	749	293
989	Center Meridian	0%	419	160	414	158	405	158	443	173	492	196	569	227	648	264

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COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
990	Center Meridian	0%	114	44	114	44	112	44	120	47	131	52	146	58	162	65
991	Center Meridian	0%	746	319	748	320	725	321	736	326	724	333	746	343	741	354
992	Center Meridian	0%	460	184	473	189	486	199	567	232	659	276	795	333	942	404
993	Center Meridian	0%	281	114	281	114	273	114	273	114	264	114	264	114	256	114
994	Center Meridian	0%	1,421	489	1,459	502	1,464	512	1,481	518	1,462	520	1,462	520	1,449	524
995	Center Meridian	0%	715	243	818	278	1,006	344	1,030	352	1,032	355	1,035	356	1,050	363
996	Center Meridian	0%	637	197	637	197	627	197	631	198	624	199	630	201	627	203
997	Center Meridian	0%	35	15	44	19	56	26	189	88	352	179	589	299	791	443
998	Center Meridian	0%	1,041	339	1,041	339	1,021	339	1,021	339	1,000	339	1,000	339	983	340
999	Center Meridian	0%	68	23	272	92	576	192	612	204	620	204	620	204	629	204
1000	Center Meridian	0%	1,083	295	1,083	295	1,063	295	1,070	297	1,061	300	1,075	304	1,072	309
1001	Center Meridian	0%	17	6	17	6	17	6	25	9	36	13	49	18	65	24
1002	Center Meridian	0%	254	78	270	83	282	90	313	100	334	111	376	125	413	143
1003	Center Meridian	0%	11	4	347	126	982	353	1,038	373	1,050	373	1,050	373	1,051	369
1004	Center Meridian	0%	49	17	49	17	45	17	283	107	597	247	1,053	436	1,434	657
1005	Center Meridian	0%	2	2	2	2	2	2	2	2	2	2	2	2	3	2
1006	Center Meridian	0%	6	4	6	4	7	4	67	39	182	94	325	168	548	255
1007	Center Meridian	0%	1	1	18	18	69	50	93	67	158	89	209	118	334	155
1008	Center Meridian	0%	16	7	16	7	16	7	16	7	16	7	16	7	16	7
1009	Center Meridian	0%	11	5	11	5	11	5	15	7	20	9	26	12	35	16
1010	Center Meridian	0%	2	1	2	1	2	1	84	41	217	103	394	187	617	285
1011	Center Meridian	0%	2	1	224	112	728	319	769	337	864	337	864	337	962	338
1012	Center Meridian	0%	0	0	0	0	0	0	221	90	533	231	974	422	1,395	645
1013	Center Meridian	0%	7	3	7	3	7	3	7	3	7	3	7	3	7	3
1014	Center Meridian	0%	1	0	0	0	0	0	206	84	498	216	909	394	1,301	602
1015	Center Meridian	0%	0	0	0	0	0	0	20	7	58	19	106	35	173	53
1016	Center Meridian	0%	31	12	31	12	29	12	350	143	804	348	1,441	624	2,057	947
1017	Center Meridian	0%	444	154	476	165	540	184	602	205	702	235	821	275	981	323
1018	Center Meridian	0%	31	12	31	12	29	12	284	119	626	286	1,118	511	1,543	775
1019	Center Meridian	0%	21	9	21	9	21	9	21	9	21	9	21	9	21	9
1020	Center Meridian	0%	1,530	520	1,530	520	1,494	520	1,514	527	1,508	538	1,550	553	1,557	570
1021	Center Meridian	0%	709	267	712	268	696	269	698	270	680	270	680	270	661	270
1022	Center Meridian	0%	463	185	466	186	481	187	481	187	494	187	494	187	507	187
1023	Center Meridian	0%	362	159	396	174	451	203	487	219	481	222	481	222	484	229
1024	Center Meridian	0%	99	32	99	32	97	32	103	34	107	36	116	39	125	43
1025	Center Meridian	0%	6	3	6	3	6	3	6	3	6	3	6	3	6	3
1026	Center Meridian	0%	58	34	58	34	69	34	85	42	127	54	164	70	234	88
1027	Center Meridian	0%	3	2	3	2	3	2	3	2	3	2	3	2	3	2
1028	Center Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1029	Center Meridian	0%	17	4	17	4	18	4	29	9	53	18	81	30	125	43
1030	Center Meridian	0%	1	1	1	1	1	1	1	1	0	1	0	1	0	0
1031	Center Meridian	0%	4	2	4	2	4	2	4	2	4	2	4	2	4	2
1032	Center Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1033	Center Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1034	Center Meridian	0%	172	57	175	58	175	59	181	61	189	65	203	70	217	76
1035	Center Meridian	0%	223	73	226	74	217	74	220	75	214	76	217	77	214	79
1036	Kuna	0%	40	10	40	10	37	10	37	10	34	10	34	10	31	10

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COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
1037	Center Meridian	0%	55	16	55	16	55	16	55	16	58	17	61	18	64	19
1038	Center Meridian	0%	129	43	129	43	129	43	129	43	129	43	129	43	129	43
1039	Center Meridian	0%	96	29	122	37	164	52	173	55	170	57	176	59	178	63
1040	Center Meridian	0%	754	254	754	254	744	254	747	255	739	256	742	257	734	258
1041	Center Meridian	0%	44	17	44	17	44	17	44	17	43	17	43	17	43	17
1042	Center Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1043	Center Meridian	0%	1,022	369	1,025	370	1,010	370	1,015	372	1,005	374	1,013	377	1,009	381
1044	Center Meridian	0%	22	8	25	9	23	9	51	20	89	38	145	62	195	91
1045	Center Meridian	0%	2	1	2	1	2	1	9	4	19	8	31	13	49	19
1046	Center Meridian	0%	1,124	446	1,127	447	1,122	448	1,174	469	1,244	500	1,346	541	1,461	591
1047	Center Meridian	0%	0	0	0	0	0	0	8	3	18	7	31	12	49	19
1048	Center Meridian	0%	0	0	0	0	0	0	8	3	18	7	31	12	49	19
1049	Center Meridian	0%	229	94	229	94	215	94	217	95	204	96	206	97	194	98
1050	Kuna	0%	108	29	112	30	112	30	112	30	112	30	112	30	108	29
1051	Center Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1052	Center Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1053	Center Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1054	South Meridian	0%	98	37	98	37	96	37	130	50	179	70	246	96	320	127
1055	South Meridian	0%	4	1	4	1	4	1	4	1	3	1	3	1	0	0
1056	South Meridian	0%	8	4	8	4	8	4	8	4	8	4	10	5	12	6
1057	South Meridian	0%	104	38	107	39	110	39	110	39	113	39	113	39	120	40
1058	South Meridian	0%	2	1	2	1	2	1	2	1	3	1	3	1	0	0
1059	South Meridian	0%	11	3	125	34	291	92	510	161	693	260	1,046	392	1,194	551
1060	South Meridian	0%	11	4	96	35	269	93	310	107	367	121	416	137	512	161
1061	South Meridian	0%	3	1	3	1	3	1	17	6	39	14	70	25	102	38
1062	South Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1063	South Meridian	0%	23	10	359	156	837	337	948	382	1,106	415	1,197	449	1,456	511
1064	South Meridian	0%	1,773	639	1,798	648	1,807	657	1,826	664	1,821	668	1,829	671	1,837	680
1065	South Meridian	0%	1,289	414	1,289	414	1,274	414	1,274	414	1,259	414	1,259	414	1,244	414
1066	South Meridian	0%	143	62	143	62	150	62	213	88	327	129	467	184	660	249
1067	South Meridian	0%	1,099	353	1,099	353	1,091	353	1,091	353	1,082	353	1,082	353	1,074	353
1068	South Meridian	0%	295	135	310	142	342	156	358	163	359	163	359	163	360	163
1069	South Meridian	0%	28	12	124	53	296	115	332	129	363	129	363	129	388	127
1070	South Meridian	0%	488	164	568	191	585	200	609	208	613	213	624	217	642	227
1071	South Meridian	0%	626	210	632	212	609	212	609	212	586	212	586	212	563	212
1072	South Meridian	0%	770	293	773	294	755	294	755	294	738	294	738	294	718	293
1073	South Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1074	South Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1075	South Meridian	0%	18	5	731	203	1,293	386	1,490	445	1,586	512	1,846	596	1,730	608
1076	South Meridian	0%	1,604	470	1,682	493	1,758	526	1,818	544	1,782	545	1,782	545	1,750	547
1077	South Meridian	0%	10	2	10	2	8	2	134	33	253	81	456	146	484	221
1078	South Meridian	0%	171	66	174	67	182	67	226	83	308	108	404	142	545	183
1079	South Meridian	0%	108	34	108	34	106	34	112	36	119	39	131	43	146	49
1080	South Meridian	0%	20	8	23	9	24	9	27	10	34	12	40	14	49	16
1081	South Meridian	0%	18	7	18	7	18	7	36	14	65	25	102	39	148	56
1082	South Meridian	0%	42	15	42	15	43	15	51	18	67	23	87	30	113	38
1083	South Meridian	0%	71	25	71	25	72	25	87	30	112	38	145	49	190	63

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TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
1084	South Meridian	0%	45	14	51	16	61	19	68	21	71	22	74	23	84	26
1085	South Meridian	0%	55	19	61	21	61	22	70	25	77	29	91	34	105	41
1086	South Meridian	0%	55	20	55	20	57	20	80	28	119	40	167	56	229	74
1087	South Meridian	0%	104	38	107	39	111	39	162	57	252	85	361	122	507	165
1088	South Meridian	0%	221	74	224	75	226	77	249	85	276	96	319	111	364	129
1089	South Meridian	0%	49	15	56	17	65	20	75	23	85	26	98	30	114	35
1090	South Meridian	0%	74	28	79	30	84	31	114	42	162	58	220	79	294	103
1091	South Meridian	0%	35	11	35	11	35	11	38	12	45	14	55	17	68	21
1092	South Meridian	0%	19	7	19	7	19	7	19	7	19	7	19	7	19	7
1093	South Meridian	0%	27	8	30	9	28	9	28	9	25	9	25	9	23	9
1094	South Meridian	0%	38	15	41	16	40	16	40	16	40	16	40	16	37	15
1095	South Meridian	0%	23	6	38	10	64	18	78	22	71	22	71	22	53	18
1096	South Meridian	0%	51	13	51	13	50	13	62	16	77	20	96	25	122	32
1097	South Meridian	0%	17	4	17	4	16	4	16	4	15	4	15	4	17	5
1098	South Meridian	0%	27	7	31	8	31	8	35	9	38	10	42	11	49	13
1099	South Meridian	0%	50	13	50	13	45	13	110	32	189	62	311	102	393	148
1100	South Meridian	0%	30	8	34	9	34	10	85	25	145	48	239	79	305	115
1101	South Meridian	0%	13	4	13	4	13	4	13	4	14	4	14	4	18	5
1102	South Meridian	0%	39	11	43	12	44	13	44	13	41	13	41	13	39	13
1103	South Meridian	0%	34	10	34	10	31	10	31	10	28	10	28	10	25	10
1104	South Meridian	0%	40	13	40	13	39	13	39	13	38	13	38	13	37	13
1105	South Meridian	0%	16	7	18	8	19	8	19	8	20	8	20	8	18	7
1106	South Meridian	0%	81	23	85	24	85	25	88	26	88	27	91	28	94	30
1107	South Meridian	0%	46	15	49	16	51	17	87	29	139	47	207	70	284	98
1108	South Meridian	0%	22	7	22	7	21	7	21	7	20	7	20	7	19	7
1109	South Meridian	0%	24	9	24	9	23	9	26	10	30	12	35	14	42	17
1110	South Meridian	0%	18	6	18	6	17	6	17	6	16	6	16	6	15	6
1111	South Meridian	0%	858	242	1,096	309	1,392	401	1,457	420	1,426	420	1,426	420	1,401	422
1112	South Meridian	0%	55	17	191	59	437	138	462	146	459	148	459	148	464	153
1113	South Meridian	0%	54	16	358	106	880	275	928	290	876	290	876	290	828	291
1114	South Meridian	0%	21	7	21	7	21	7	21	7	21	7	21	7	21	7
1115	South Meridian	0%	40	12	340	102	895	271	948	287	942	288	942	288	946	292
1116	South Meridian	0%	37	11	37	11	33	11	33	11	28	11	28	11	26	12
1117	South Meridian	0%	18	5	18	5	17	5	40	12	68	22	112	36	149	52
1118	South Meridian	0%	96	29	238	72	494	151	530	162	547	169	570	176	605	189
1119	South Meridian	0%	649	217	694	232	740	260	783	275	747	276	747	276	712	278
1120	South Meridian	0%	0	0	0	0	0	0	25	9	61	23	111	42	161	65
1121	South Meridian	0%	131	39	134	40	133	40	220	66	354	107	537	162	743	226
1122	South Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1123	South Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1124	South Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1125	South Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1126	South Meridian	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1127	South Meridian	0%	1,307	392	2,117	635	3,251	1,014	3,465	1,081	3,333	1,083	3,333	1,083	3,209	1,088
1128	South Meridian	0%	701	203	715	207	707	208	707	208	695	208	695	208	667	203
1129	South Meridian	0%	248	79	493	157	691	261	805	304	658	305	658	305	514	308
1130	South Meridian	0%	18	7	18	7	18	7	18	7	18	7	18	7	18	7

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COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
1131	South Meridian	0%	50	16	50	16	53	16	53	16	57	16	57	16	60	16
1132	South Meridian	0%	27	7	31	8	31	8	31	8	31	8	31	8	27	7
1133	South Meridian	0%	49	17	52	18	57	20	62	22	64	23	67	24	69	25
1134	South Meridian	0%	21	9	21	9	21	9	29	12	39	16	53	22	72	29
1135	South Meridian	0%	23	9	23	9	23	9	23	9	23	9	23	9	23	9
1136	South Meridian	0%	7	3	7	3	7	3	7	3	7	3	7	3	7	3
1137	South Meridian	0%	11	4	11	4	11	4	11	4	11	4	11	4	11	4
1138	South Meridian	0%	11	4	11	4	11	4	11	4	11	4	11	4	11	4
1139	South Meridian	0%	9	4	9	4	9	4	9	4	9	4	9	4	9	4
1140	South Meridian	0%	32	9	36	10	35	10	73	21	129	38	203	60	283	86
1141	South Meridian	0%	64	23	67	24	67	24	101	36	152	54	219	78	302	107
1142	South Meridian	0%	30	9	30	9	28	9	56	18	92	32	147	51	197	74
1143	South Meridian	0%	16	5	16	5	15	5	27	9	46	16	74	26	99	37
1144	South Meridian	0%	14	4	14	4	13	4	29	9	47	16	77	26	99	37
1145	South Meridian	0%	60	23	63	24	66	25	121	46	211	79	329	123	471	174
1146	South Meridian	0%	74	23	116	36	154	48	225	70	305	95	408	127	546	170
1147	South Meridian	0%	22	7	22	7	21	7	21	7	20	7	20	7	22	8
1148	South Meridian	0%	0	0	0	0	0	0	21	7	53	18	94	32	139	48
1149	Kuna	0%	22	7	22	7	21	7	27	9	32	11	41	14	50	18
1150	Kuna	0%	33	11	33	11	33	11	33	11	33	11	33	11	33	11
1151	Kuna	0%	4	2	4	2	4	2	4	2	4	2	4	2	4	2
1152	Kuna	0%	2	1	2	1	2	1	2	1	2	1	3	2	4	3
1153	Kuna	0%	38	10	42	11	38	11	48	14	55	18	70	23	81	30
1154	Kuna	0%	16	6	16	6	15	6	62	25	125	54	216	93	300	140
1155	South Meridian	0%	6	2	6	2	6	2	6	2	6	2	6	2	6	2
1156	South Meridian	0%	6	2	6	2	6	2	6	2	7	2	7	2	11	3
1157	South Meridian	0%	19	8	19	8	19	8	19	8	19	8	19	8	19	8
1158	South Meridian	0%	16	6	16	6	15	6	15	6	17	7	20	8	21	9
1159	Kuna	0%	45	11	45	11	42	11	260	68	562	158	992	279	1,384	421
1160	Kuna	0%	63	17	67	18	68	19	118	33	185	54	281	82	381	116
1161	Kuna	0%	60	18	63	19	66	21	100	32	140	48	202	69	252	93
1162	Kuna	0%	32	10	32	10	31	10	108	35	223	75	384	129	550	192
1163	Kuna	0%	1	1	1	1	1	1	1	1	0	1	0	1	0	0
1164	Kuna	0%	49	14	67	19	88	26	159	47	246	75	364	111	494	156
1165	Kuna	0%	9	4	9	4	9	4	54	25	121	58	213	102	309	154
1166	Kuna	0%	3	1	3	1	3	1	23	9	46	21	81	37	101	56
1167	Kuna	0%	1	1	1	1	1	1	1	1	2	1	2	1	4	2
1168	South Meridian	0%	25	9	28	10	25	10	128	51	259	115	453	201	600	301
1169	Kuna	0%	1	0	0	0	0	0	36	13	88	34	164	63	232	96
1170	Kuna	0%	2	1	2	1	2	1	15	7	39	17	69	30	112	46
1171	Kuna	0%	6	3	8	4	8	4	8	4	8	4	8	4	6	3
1172	Kuna	0%	15	5	15	5	15	5	15	5	15	5	15	5	15	5
1173	Kuna	0%	20	8	20	8	19	8	19	8	19	8	19	8	18	8
1174	South Meridian	0%	20	8	20	8	19	8	27	11	35	15	49	21	64	28
1175	Kuna	0%	24	10	24	10	24	10	55	23	104	43	167	69	242	100
1176	Kuna	0%	6	3	8	4	8	4	8	4	8	4	8	4	6	3
1177	Kuna	0%	13	6	13	6	15	6	46	19	108	40	183	68	295	100

Appendix A - Table A5

COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
1178	Kuna	0%	17	8	17	8	16	8	19	9	22	11	28	14	33	17
1179	Kuna	0%	9	3	9	3	9	3	9	3	9	3	9	3	9	3
1180	Kuna	0%	17	6	17	6	15	6	18	7	20	9	25	11	28	14
1181	Kuna	0%	15	6	15	6	14	6	14	6	14	6	14	6	13	6
1182	Kuna	0%	13	5	13	5	12	5	12	5	12	5	12	5	11	5
1183	Kuna	0%	12	5	12	5	12	5	12	5	12	5	12	5	12	5
1184	Kuna	0%	12	5	12	5	11	5	16	7	24	11	35	16	43	21
1185	Kuna	0%	33	9	33	9	31	9	31	9	33	10	36	11	37	12
1186	Kuna	0%	18	8	18	8	18	8	18	8	18	8	18	8	18	8
1187	Kuna	0%	14	4	14	4	14	4	14	4	14	4	14	4	14	4
1188	Kuna	0%	24	7	27	8	29	9	36	11	46	15	61	20	75	26
1189	Kuna	0%	24	7	24	7	22	7	74	24	138	50	234	85	302	125
1190	Kuna	0%	12	3	12	3	11	3	11	3	10	3	10	3	9	3
1191	Kuna	0%	22	9	24	10	24	10	24	10	24	10	24	10	22	9
1192	Kuna	0%	12	3	12	3	11	3	11	3	10	3	10	3	9	3
1193	Kuna	0%	722	217	815	245	951	301	1,078	341	1,072	358	1,105	369	1,151	407
1194	Kuna	0%	560	163	560	163	521	163	856	268	1,279	433	1,935	655	2,483	915
1195	Kuna	0%	76	24	124	39	185	62	248	83	273	97	309	110	358	136
1196	Kuna	0%	339	105	410	127	406	132	473	154	537	184	654	224	752	272
1197	Kuna	0%	18	6	18	6	16	6	61	23	117	50	201	86	257	128
1198	Kuna	0%	73	22	73	22	70	22	95	30	126	42	174	58	219	77
1199	Kuna	0%	12	4	12	4	11	4	11	4	11	4	13	5	15	6
1200	Kuna	0%	39	13	39	13	37	13	40	14	41	15	47	17	50	19
1201	Kuna	0%	16	7	16	7	15	7	15	7	14	7	14	7	13	7
1202	Kuna	0%	39	13	39	13	37	13	158	55	333	121	577	210	824	314
1203	Kuna	0%	700	246	706	248	698	250	815	292	975	356	1,210	442	1,461	544
1204	Kuna	0%	873	229	1,460	383	2,289	645	2,637	743	2,655	808	2,865	872	3,013	997
1205	Kuna	0%	47	15	47	15	45	15	67	22	97	33	141	48	184	65
1206	Kuna	0%	54	19	57	20	54	20	54	20	52	20	52	20	49	20
1207	Kuna	0%	62	18	62	18	60	18	60	18	58	18	58	18	56	18
1208	Kuna	0%	59	22	59	22	56	22	59	23	60	25	65	27	66	29
1209	Kuna	0%	15	5	18	6	20	7	23	8	21	8	21	8	12	5
1210	Kuna	0%	63	19	63	19	58	19	58	19	53	19	53	19	50	20
1211	South Meridian	0%	8	5	8	5	8	5	8	5	8	5	8	5	8	5
1212	Kuna	0%	25	7	25	7	23	7	40	12	59	19	90	29	115	40
1213	South Meridian	0%	8	2	8	2	7	2	25	7	49	15	84	26	109	38
1214	South Meridian	0%	2	1	2	1	2	1	13	6	34	14	61	25	99	37
1215	Kuna	0%	9	4	9	4	10	4	64	25	167	58	296	103	497	156
1216	South Meridian	0%	2	1	2	1	2	1	82	36	233	91	424	166	717	253
1217	South Meridian	0%	2	1	2	1	2	1	32	14	90	35	164	64	275	97
1218	Kuna	0%	207	74	213	76	213	79	243	90	273	105	322	124	372	149
1219	Kuna	0%	211	82	237	92	280	111	305	121	301	122	301	122	296	123
1220	Kuna	0%	343	120	346	121	335	124	360	133	370	145	408	160	429	179
1221	Kuna	0%	246	95	249	96	238	99	243	101	227	102	229	103	213	104
1222	Kuna	0%	50	17	50	17	47	17	47	17	43	17	46	18	45	19
1223	Kuna	0%	291	108	294	109	279	112	304	122	312	136	354	154	371	177
1224	Kuna	0%	36	11	33	10	28	10	238	84	483	201	861	358	1,069	542

Appendix A - Table A5

COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
1225	Kuna	0%	460	167	463	168	433	169	433	169	401	169	401	169	368	169
1226	Kuna	0%	401	104	401	104	386	104	386	104	372	104	372	104	357	104
1227	Kuna	0%	502	152	502	152	482	152	489	154	478	157	490	161	484	166
1228	Kuna	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1229	Kuna	0%	209	82	214	84	203	87	210	90	195	92	201	95	191	100
1230	Kuna	0%	101	37	104	38	93	38	115	47	133	61	172	79	190	100
1231	Kuna	0%	673	199	930	275	814	276	1,136	385	1,395	554	1,966	781	2,029	973
1232	Kuna	0%	51	19	132	49	288	107	409	152	472	175	523	194	659	244
1233	Kuna	0%	504	166	510	168	494	169	503	172	492	175	503	179	499	185
1234	Kuna	0%	23	8	23	8	23	8	130	45	300	103	528	181	798	272
1235	Kuna	0%	91	33	97	35	97	39	192	77	299	134	469	210	591	300
1236	Kuna	0%	5	1	5	1	5	1	5	1	4	1	4	1	8	2
1237	Kuna	0%	89	32	92	33	84	34	154	62	233	107	363	167	443	237
1238	Kuna	0%	152	52	152	52	142	52	159	58	170	67	201	79	217	92
1239	Kuna	0%	49	19	52	20	52	21	54	22	52	22	52	22	50	22
1240	Kuna	0%	36	13	36	13	35	13	35	13	34	13	34	13	32	13
1241	Kuna	0%	55	20	58	21	63	23	66	24	66	24	66	24	66	24
1242	Kuna	0%	2	1	2	1	1	1	1	1	1	1	1	1	0	0
1243	Kuna	0%	24	9	27	10	28	11	28	11	27	11	27	11	26	11
1244	Kuna	0%	48	18	51	19	51	20	54	21	52	21	52	21	55	23
1245	Kuna	0%	16	6	16	6	15	6	15	6	15	6	15	6	14	6
1246	Kuna	0%	283	79	290	81	271	81	395	118	547	176	790	254	994	346
1247	Kuna	0%	156	41	209	55	246	69	271	76	253	76	253	76	234	76
1248	Kuna	0%	82	24	82	24	76	24	99	31	124	42	165	56	198	73
1250	Kuna	0%	77	27	91	32	91	35	128	49	161	68	218	92	259	122
1251	Kuna	0%	20	5	20	5	19	5	19	5	18	5	18	5	17	5
1252	Kuna	0%	96	27	100	28	99	29	99	29	95	29	95	29	91	29
1253	Kuna	0%	19	5	19	5	18	5	22	6	24	7	28	8	30	9
1254	Kuna	0%	8	3	8	3	8	3	88	35	203	85	362	152	518	231
1255	Kuna	0%	519	160	597	184	641	208	706	229	707	242	745	255	775	281
1256	Kuna	0%	13	7	13	7	13	7	26	14	48	25	77	40	111	57
1257	Kuna	0%	143	58	215	87	366	144	430	169	457	174	457	174	511	189
1258	Kuna	0%	33	14	38	16	48	19	75	30	120	45	170	64	244	87
1259	Kuna	0%	606	172	722	205	802	251	872	273	805	281	816	285	773	305
1260	Kuna	0%	470	158	479	161	444	164	554	205	650	267	852	350	972	449
1261	Kuna	0%	33	13	36	14	39	15	58	22	86	32	122	45	173	62
1262	Kuna	0%	30	10	30	10	29	10	32	11	36	13	42	15	46	17
1263	Kuna	0%	23	10	23	10	22	10	29	13	36	17	47	22	57	28
1264	Kuna	0%	542	162	572	171	606	189	711	222	790	258	928	303	1,067	365
1265	Kuna	0%	15	6	15	6	17	6	74	26	187	58	326	101	542	151
1266	Kuna	0%	25	10	123	49	320	121	339	128	357	128	357	128	355	121
1267	Kuna	0%	32	11	32	11	30	11	39	14	50	19	68	26	85	34
1268	Kuna	0%	932	258	936	259	894	259	894	259	852	259	852	259	810	259
1269	Kuna	0%	13	4	13	4	12	4	12	4	14	5	17	6	19	7
1270	Kuna	0%	953	277	953	277	905	277	948	290	960	310	1,044	337	1,080	369
1271	Kuna	0%	382	115	644	194	932	307	1,029	339	1,011	368	1,105	402	1,117	454
1272	Kuna	0%	56	19	62	21	69	25	75	27	69	27	69	27	55	23

Appendix A - Table A5

COMPASS 2040 Communities in Motion 2040 Forecast of Ada County Population and Households by TAZ 2010 - 2040

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	COMPASS Forecasted Population and Households											
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households	2040 Population	2040 Households
1273	Kuna	0%	107	34	110	35	107	35	969	318	2,242	761	3,997	1,357	5,846	2,055
1274	Kuna	0%	464	173	464	173	455	173	497	189	551	214	638	248	725	288
1275	Kuna	0%	155	42	155	42	148	42	158	45	167	50	187	56	200	63
1276	Kuna	0%	406	124	406	124	402	124	402	124	397	124	397	124	393	124
1277	Kuna	0%	755	247	755	247	706	247	740	259	739	278	806	303	817	332
1278	Kuna	0%	328	100	331	101	314	101	348	112	378	129	446	152	494	179
1279	Kuna	0%	399	137	399	137	381	137	387	139	376	142	387	146	380	151
1280	Kuna	0%	64	22	489	168	1,118	440	1,474	580	1,657	762	2,168	997	2,337	1,293
1281	Kuna	0%	68	23	71	24	67	24	297	106	622	235	1,083	409	1,526	612
1282	Southwest Rural	0%	102	37	132	48	143	54	151	57	145	57	145	57	137	56
1283	Southwest Rural	0%	53	15	60	17	67	20	74	22	71	22	71	22	52	17
1284	Southwest Rural	0%	89	28	92	29	98	32	104	34	104	35	104	35	103	36
1285	Southwest Rural	0%	9	2	9	2	8	2	8	2	7	2	7	2	9	3
1286	Southwest Rural	0%	7	2	7	2	7	2	7	2	7	2	7	2	7	2
1287	Southwest Rural	0%	152	48	152	48	147	48	147	48	142	48	142	48	138	48
1288	Southwest Rural	0%	118	34	118	34	114	34	114	34	110	34	110	34	105	34
1289	Southwest Rural	0%	52	16	52	16	51	16	51	16	50	16	50	16	49	16
1290	Southwest Rural	0%	7	3	7	3	6	3	6	3	5	3	7	4	7	5
1291	Southwest Rural	0%	6	3	6	3	5	3	5	3	5	3	5	3	6	4
1292	Southwest Rural	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1293	Southwest Rural	0%	32	12	35	13	33	13	33	13	31	13	31	13	32	14
1294	Southwest Rural	0%	61	18	64	19	68	22	75	24	68	24	68	24	64	25
1295	Southwest Rural	0%	182	51	225	63	280	84	317	95	295	95	295	95	275	96
1296	Southwest Rural	0%	5	2	5	2	4	2	4	2	4	2	4	2	5	3
1297	Southwest Rural	0%	44	13	44	13	42	13	42	13	40	13	40	13	41	14
1298	Southwest Rural	0%	27	12	27	12	28	12	28	12	29	12	29	12	33	13
1299	Southeast Rural	0%	42	20	53	25	74	34	76	35	81	36	83	37	91	39
1300	Southeast Rural	0%	10	2	15	3	14	3	14	3	13	3	13	3	11	3
1301	Southeast Rural	0%	9	3	9	3	9	3	9	3	9	3	9	3	9	3
1302	Southeast Rural	0%	6	3	14	7	28	14	36	18	36	18	36	18	34	17
1303	Southeast Rural	0%	12	5	12	5	12	5	12	5	12	5	12	5	12	5
1304	Southeast Rural	0%	21	9	21	9	20	9	20	9	20	9	20	9	19	9
1305	Southeast Rural	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1306	Southeast Rural	0%	5	2	5	2	5	2	5	2	5	2	7	3	10	4
1307	Southeast Rural	0%	27	8	44	13	78	23	95	28	95	28	95	28	98	29
1308	Southeast Rural	0%	16	6	45	17	97	38	124	49	118	49	118	49	110	48
1309	Southeast Rural	0%	1	0	0	0	0	0	0	0	0	0	3	1	5	2
1310	Southeast Rural	0%	9	3	12	4	12	4	12	4	12	4	12	4	12	4
1311	Southeast Rural	0%	19	11	19	11	18	11	18	11	18	12	19	13	19	14
	Total - Ada County		391,758	148,062	419,911	157,657	448,271	171,008	493,221	188,132	535,471	209,799	606,089	238,126	674,144	272,724
	Total - Suez Planning Area		238,704	96,250	248,387	99,886	255,511	104,646	273,554	112,217	289,870	121,978	318,752	134,731	346,269	150,389

Suez Water Idaho Inc.

Appendix A
to
Suez
Master Water Plan 2015-2065

Water Demand Forecasts
for the Years 2012 to 2065

Table A6
Forecasted Population and Households
within Suez's Planning Area by TAZ
in 5 Year Increments for the Years 2010 to 2065

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Appendix A - Table A6

Forecast of Population and Households within Suez's Planning Area by TAZ 2010 - 2065 - Based Upon COMPASS Communities in Motion 2040 Forecast

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	Forecasted Suez Planning Area Population and Households by TAZ									
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households
180	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
181	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
182	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
183	Airport	100%	16	11	16	11	18	11	18	11	21	11	21	11
184	Airport	100%	7	3	7	3	6	3	6	3	6	3	6	3
185	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
186	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
187	Airport	100%	4	1	4	1	3	1	3	1	3	1	3	1
188	Airport	100%	9	4	9	4	8	4	8	4	7	4	7	4
189	Airport	100%	1	1	1	1	1	1	1	1	2	1	2	1
190	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
191	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
192	Airport	100%	2	2	2	2	2	2	2	2	2	2	2	2
193	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
194	Airport	100%	2	1	2	1	2	1	2	1	2	1	2	1
195	Airport	100%	138	54	143	56	138	57	138	57	129	57	129	57
196	Airport	100%	344	133	349	135	333	135	343	139	342	146	364	155
197	Airport	100%	21	7	21	7	21	7	21	7	21	7	21	7
198	Airport	100%	2	2	2	2	2	2	2	2	2	2	2	2
199	Airport	100%	2	1	2	1	2	1	2	1	2	1	2	1
215	Airport	100%	16	5	16	5	16	5	16	5	16	5	16	5
216	Airport	100%	9	4	9	4	9	4	9	4	12	5	15	6
217	Airport	100%	8	5	10	6	9	6	9	6	9	6	9	6
245	Airport	100%	300	113	305	115	310	119	321	123	319	125	324	127
247	Airport	100%	8	3	8	3	8	3	8	3	8	3	8	3
249	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
250	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
280	Airport	100%	1	1	1	1	1	1	1	1	2	1	2	1
169	Blacks Creek Rural	100%	1	0	0	0	0	0	0	0	0	0	0	0
170	Blacks Creek Rural	100%	1	0	0	0	0	0	0	0	0	0	0	0
171	Blacks Creek Rural	100%	0	0	0	0	0	0	0	0	0	0	0	0
172	Blacks Creek Rural	15%	1	0	1	0	1	0	1	0	1	0	1	0
175	Blacks Creek Rural	100%	4	2	4	2	4	2	4	2	4	2	4	2
176	Blacks Creek Rural	15%	1	0	1	0	0	0	0	0	0	0	0	0
611	Boise Foothills	100%	204	74	207	75	203	75	231	85	267	100	319	120
612	Boise Foothills	100%	758	343	771	349	803	358	821	366	844	370	852	374
613	Boise Foothills	0%	0	0	0	0	0	0	0	0	0	0	0	0
614	Boise Foothills	100%	10	3	17	5	27	9	35	12	36	14	41	16
615	Boise Foothills	100%	229	95	236	98	240	101	245	103	241	103	240	103
616	Boise Foothills	100%	154	67	161	70	175	75	182	78	185	78	185	78
617	Boise Foothills	80%	148	80	218	118	370	174	386	181	436	180	436	180
618	Boise Foothills	100%	126	46	129	47	146	50	149	51	158	51	158	51
619	Boise Foothills	100%	517	216	527	220	529	225	548	233	555	241	578	250
620	Boise Foothills	100%	410	118	413	119	375	119	379	120	342	121	348	123
621	Boise Foothills	100%	1,148	482	1,158	486	1,148	494	1,157	498	1,126	497	1,125	497

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Forecast of Population and Households within Suez's Planning Area by TAZ 2010 - 2065 - Based Upon COMPASS Communities in Motion 2040 Forecast

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	Forecasted Suez Planning Area Population and Households by TAZ									
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households
622	Boise Foothills	70%	0	0	0	0	0	0	0	0	0	0	0	0
623	Boise Foothills	80%	883	330	950	354	1,046	391	1,127	422	1,198	449	1,284	481
624	Boise Foothills	100%	42	15	48	17	48	17	51	18	54	19	57	20
625	Boise Foothills	40%	117	41	123	43	126	45	128	46	125	46	125	45
626	Boise Foothills	40%	329	124	331	125	327	126	334	129	334	132	343	136
627	Boise Foothills	100%	1,813	796	1,900	834	1,989	892	2,062	925	2,053	941	2,085	956
628	Boise Foothills	80%	305	113	307	114	302	114	313	118	319	124	338	131
629	Boise Foothills	100%	925	459	929	461	903	464	921	473	907	483	933	497
630	Boise Foothills	100%	373	31	373	31	372	31	372	31	371	31	371	31
583	Boise Northwest	100%	1,081	561	1,083	562	1,050	564	1,080	580	1,084	603	1,141	635
584	Boise Northwest	50%	201	79	215	84	243	95	264	104	276	108	287	113
585	Boise Northwest	100%	342	138	416	168	516	217	859	361	1,244	546	1,789	785
586	Boise Northwest	100%	25	10	28	11	30	12	30	12	31	12	31	12
587	Boise Northwest	70%	397	154	435	169	473	197	686	286	896	402	1,233	553
588	Boise Northwest	100%	1,332	516	1,389	538	1,519	579	1,650	629	1,796	674	1,937	727
589	Boise Northwest	100%	225	96	227	97	222	97	225	98	222	99	223	100
590	Boise Northwest	100%	111	61	131	72	400	180	416	187	432	194	449	202
591	Boise Northwest	100%	23	8	26	9	23	9	196	76	410	180	729	319
592	Boise Northwest	100%	134	51	137	52	300	130	312	135	324	140	337	146
593	Boise Northwest	100%	340	133	340	133	331	133	331	133	321	133	321	133
594	Boise Northwest	100%	870	386	926	411	945	417	990	437	1,054	463	1,133	498
595	Boise Northwest	100%	372	165	381	169	396	176	405	180	404	180	404	180
596	Boise Northwest	100%	281	122	293	127	330	137	332	138	346	138	346	138
597	Boise Northwest	100%	472	240	474	241	466	242	524	272	598	317	714	379
598	Boise Northwest	100%	348	148	355	151	348	151	348	151	339	151	339	151
599	Boise Northwest	100%	43	19	43	19	42	19	42	19	44	20	46	21
600	Boise Northwest	100%	0	0	0	0	0	0	0	0	0	0	0	0
601	Boise Northwest	100%	1,230	505	1,232	506	1,226	507	1,229	508	1,218	507	1,217	507
602	Boise Northwest	100%	972	435	981	439	996	446	1,012	453	1,022	458	1,038	465
603	Boise Northwest	100%	1,276	548	1,285	552	1,256	554	1,342	592	1,432	649	1,603	726
604	Boise Northwest	100%	137	76	137	76	139	76	166	91	210	114	266	145
605	Boise Northwest	100%	423	216	423	216	420	216	531	273	698	361	927	480
606	Boise Northwest	100%	768	328	770	329	760	332	785	343	802	358	848	379
607	Boise Northwest	100%	890	383	892	384	886	385	890	387	884	388	891	391
608	Boise Northwest	100%	534	241	547	247	574	258	590	265	593	266	593	265
609	Boise Northwest	100%	823	340	828	342	827	346	837	350	831	351	834	353
610	Boise Northwest	100%	238	95	266	106	271	109	276	111	273	111	272	111
326	Central Bench	100%	935	0	935	0	935	0	935	0	933	0	933	0
327	Central Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
328	Central Bench	100%	932	414	934	415	903	417	921	425	906	435	935	449
329	Central Bench	100%	538	307	538	307	512	307	524	314	514	324	536	338
330	Central Bench	100%	91	79	91	79	100	79	110	87	138	100	161	117
331	Central Bench	100%	2,533	1,081	2,549	1,088	2,466	1,093	2,689	1,192	2,907	1,341	3,344	1,543
332	Central Bench	100%	720	304	732	309	729	317	747	325	735	329	745	334
333	Central Bench	100%	729	325	742	331	755	340	766	345	757	344	756	344

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Forecast of Population and Households within Suez's Planning Area by TAZ 2010 - 2065 - Based Upon COMPASS Communities in Motion 2040 Forecast

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	Forecasted Suez Planning Area Population and Households by TAZ									
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households
334	Central Bench	100%	374	157	376	158	365	161	512	226	698	324	983	457
335	Central Bench	100%	86	44	86	44	82	44	92	49	102	57	122	68
336	Central Bench	100%	178	32	181	33	192	33	195	34	211	35	214	36
337	Central Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
338	Central Bench	100%	2	2	2	2	2	2	2	2	2	2	2	2
339	Central Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
340	Central Bench	100%	616	234	616	234	573	234	870	355	1,232	543	1,809	797
341	Central Bench	100%	1,544	652	1,546	653	1,502	653	1,520	661	1,499	672	1,533	687
342	Central Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
343	Central Bench	100%	3	2	3	2	3	2	3	2	3	2	3	2
344	Central Bench	100%	324	167	324	167	322	167	419	217	568	296	770	401
345	Central Bench	100%	267	138	267	138	260	138	263	140	260	142	264	145
346	Central Bench	100%	258	117	260	118	253	118	255	119	252	121	258	124
347	Central Bench	100%	222	99	224	100	228	103	233	105	233	106	234	107
348	Central Bench	100%	233	101	235	102	233	103	237	105	235	106	236	107
349	Central Bench	100%	349	168	353	170	353	173	402	197	463	232	557	278
350	Central Bench	100%	749	352	755	355	751	360	764	366	758	370	767	375
351	Central Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
352	Central Bench	100%	557	415	558	416	574	417	745	541	1,036	735	1,405	996
353	Central Bench	100%	279	121	281	122	277	123	280	124	278	126	281	128
354	Central Bench	100%	276	144	276	144	276	144	297	155	328	172	372	195
355	Central Bench	100%	342	185	346	187	348	191	352	193	346	193	346	193
356	Central Bench	100%	214	100	218	102	215	104	221	107	224	112	237	119
357	Central Bench	100%	39	19	43	21	43	21	43	21	42	21	42	21
358	Central Bench	100%	385	169	387	170	383	172	390	175	387	178	393	181
359	Central Bench	100%	577	241	579	242	553	244	569	251	557	261	585	273
360	Central Bench	100%	218	106	220	107	224	110	228	112	227	113	228	114
361	Central Bench	100%	375	169	375	169	365	170	371	173	366	177	376	182
362	Central Bench	100%	564	265	573	269	571	277	588	285	578	290	590	295
363	Central Bench	100%	462	216	464	217	453	218	459	221	452	225	463	229
364	Central Bench	100%	344	138	344	138	338	138	340	139	337	141	342	143
365	Central Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
366	Central Bench	100%	414	208	416	209	409	209	413	211	410	214	418	218
367	Central Bench	100%	3	2	3	2	3	2	50	30	135	74	241	133
368	Central Bench	100%	308	163	308	163	303	163	305	164	302	165	305	167
369	Central Bench	100%	926	390	950	400	986	420	1,012	431	1,004	432	1,004	432
370	Central Bench	100%	65	32	65	32	59	32	94	51	135	81	203	122
371	Central Bench	100%	301	146	326	158	414	170	507	208	725	258	907	322
372	Central Bench	100%	432	158	432	158	416	158	424	161	417	165	430	170
373	Central Bench	100%	148	84	148	84	145	84	188	109	249	147	334	198
374	Central Bench	100%	1,268	501	1,268	501	1,215	501	1,237	510	1,216	524	1,261	544
375	Central Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
376	Central Bench	100%	2,085	816	2,090	818	2,062	821	2,080	828	2,062	836	2,088	846
377	Central Bench	100%	621	282	625	284	619	287	634	294	638	302	660	313
378	Central Bench	100%	592	256	594	257	573	257	581	261	571	267	590	275
379	Central Bench	100%	509	227	511	228	506	229	508	230	499	230	499	229
380	Central Bench	100%	345	163	347	164	336	164	338	165	328	166	332	168

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Forecast of Population and Households within Suez's Planning Area by TAZ 2010 - 2065 - Based Upon COMPASS Communities in Motion 2040 Forecast

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	Forecasted Suez Planning Area Population and Households by TAZ									
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households
381	Central Bench	100%	182	72	187	74	194	77	199	79	198	79	198	79
382	Central Bench	100%	262	119	264	120	261	120	263	121	262	122	263	123
383	Central Bench	100%	176	77	178	78	174	78	176	79	173	80	177	82
384	Central Bench	100%	125	50	128	51	126	53	131	55	129	57	133	59
385	Central Bench	100%	299	128	301	129	299	130	317	138	338	150	374	166
386	Central Bench	100%	290	124	292	125	284	126	288	128	284	131	291	135
387	Central Bench	100%	253	106	255	107	244	108	260	115	265	124	290	136
388	Central Bench	100%	389	177	391	178	379	179	386	182	378	186	391	192
389	Central Bench	100%	250	123	252	124	254	125	284	140	329	163	394	195
390	Central Bench	100%	11	6	11	6	10	6	10	6	10	6	10	6
391	Central Bench	100%	150	84	152	85	156	86	259	143	425	232	645	351
392	Central Bench	100%	224	109	226	110	225	111	331	163	486	243	700	349
393	Central Bench	100%	2	1	2	1	1	1	1	1	1	1	1	1
394	Central Bench	100%	627	261	629	262	617	262	622	264	616	267	625	270
395	Central Bench	100%	738	361	742	363	728	367	750	378	752	391	786	409
396	Central Bench	100%	881	355	883	356	879	359	886	362	880	364	887	367
397	Central Bench	100%	655	330	655	330	642	330	648	333	641	336	650	341
398	Central Bench	100%	880	366	918	382	963	411	1,235	527	1,593	698	2,113	926
399	Central Bench	100%	10	4	10	4	10	4	10	4	10	4	10	4
400	Central Bench	100%	1,178	507	1,194	514	1,164	521	1,401	627	1,685	786	2,142	999
401	Central Bench	100%	1,108	482	1,115	485	1,077	488	1,221	553	1,378	651	1,658	783
402	Central Bench	100%	895	409	899	411	882	415	1,041	490	1,245	604	1,561	757
403	Central Bench	100%	1,107	464	1,109	465	1,092	467	1,104	472	1,094	477	1,109	484
404	Central Bench	100%	141	82	141	82	135	82	138	84	136	87	141	90
405	Central Bench	100%	797	326	802	328	785	331	811	342	816	355	857	373
406	Central Bench	100%	341	155	345	157	340	160	428	201	539	263	707	344
407	Central Bench	100%	286	113	286	113	277	113	279	114	272	115	276	117
408	Central Bench	100%	416	176	425	180	426	188	492	217	552	255	659	304
409	Central Bench	100%	677	267	685	270	677	273	687	277	681	281	690	284
410	Central Bench	100%	1,717	692	1,719	693	1,661	695	1,690	707	1,662	723	1,714	745
1	Downtown Boise	100%	17	8	17	8	17	8	17	8	16	8	16	8
2	Downtown Boise	100%	3	2	3	2	3	2	3	2	3	2	3	2
3	Downtown Boise	100%	1	1	1	1	1	1	1	1	1	1	1	1
4	Downtown Boise	100%	59	49	59	49	63	49	64	50	70	51	71	52
5	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
6	Downtown Boise	100%	172	128	172	128	176	128	180	131	190	135	199	141
7	Downtown Boise	100%	18	12	18	12	18	12	18	12	17	12	17	12
8	Downtown Boise	100%	70	45	72	46	68	46	74	50	79	56	90	64
9	Downtown Boise	100%	65	53	64	52	67	52	69	53	75	55	79	58
10	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
11	Downtown Boise	100%	153	103	153	103	148	103	151	105	149	108	155	112
12	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
13	Downtown Boise	100%	71	49	77	53	75	53	75	53	73	53	73	53
14	Downtown Boise	100%	168	92	168	92	156	92	161	95	156	99	165	105
15	Downtown Boise	100%	109	84	109	84	110	84	111	85	113	86	115	87
16	Downtown Boise	100%	136	75	140	77	141	77	161	88	195	105	237	128

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Forecast of Population and Households within Suez's Planning Area by TAZ 2010 - 2065 - Based Upon COMPASS Communities in Motion 2040 Forecast

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	Forecasted Suez Planning Area Population and Households by TAZ									
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households
17	Downtown Boise	100%	83	60	83	60	82	60	96	70	115	85	142	105
18	Downtown Boise	100%	274	186	275	187	267	187	274	192	276	200	290	211
19	Downtown Boise	100%	109	11	109	11	107	11	140	24	186	45	250	73
20	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
21	Downtown Boise	100%	4	4	4	4	4	4	4	4	5	4	5	4
22	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
23	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
24	Downtown Boise	100%	57	46	57	46	60	46	60	46	64	46	65	47
25	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
26	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
27	Downtown Boise	100%	53	41	53	41	54	41	61	47	74	56	90	68
28	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
29	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
30	Downtown Boise	100%	9	7	9	7	10	7	10	7	10	7	12	8
31	Downtown Boise	100%	120	89	120	89	119	89	123	92	128	96	135	101
32	Downtown Boise	100%	9	6	9	6	9	6	9	6	9	6	9	6
33	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
34	Downtown Boise	100%	8	5	8	5	8	5	8	5	8	5	8	5
35	Downtown Boise	100%	17	12	17	12	17	12	19	14	24	18	31	23
36	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
37	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
38	Downtown Boise	100%	15	11	15	11	15	11	18	13	21	16	27	20
39	Downtown Boise	100%	69	52	69	52	71	52	72	53	77	55	81	58
40	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
41	Downtown Boise	100%	0	0	0	0	0	0	0	0	2	1	3	2
42	Downtown Boise	100%	0	0	0	0	0	0	9	6	23	15	41	27
43	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
44	Downtown Boise	100%	18	10	18	10	17	10	18	11	20	13	23	15
45	Downtown Boise	100%	4	1	4	1	3	1	3	1	1	1	1	1
46	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
47	Downtown Boise	100%	2	2	2	2	2	2	8	7	20	15	34	26
48	Downtown Boise	100%	18	11	16	10	15	10	32	21	56	39	90	63
49	Downtown Boise	100%	3	2	3	2	3	2	3	2	3	2	3	2
50	Downtown Boise	100%	451	295	451	295	441	295	445	298	439	301	447	306
51	Downtown Boise	100%	4	4	4	4	5	4	19	14	50	30	87	52
52	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
53	Downtown Boise	100%	2	1	0	0	0	0	60	33	137	84	248	153
54	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
55	Downtown Boise	100%	0	0	0	0	0	0	38	25	95	63	172	114
56	Downtown Boise	100%	2	1	2	1	1	1	1	1	1	1	1	1
57	Downtown Boise	100%	413	236	502	287	477	288	479	289	451	289	451	288
58	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
59	Downtown Boise	100%	434	89	434	89	460	89	472	93	519	99	546	107
60	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
61	Downtown Boise	100%	172	0	172	0	172	0	172	0	172	0	172	0
62	Downtown Boise	100%	75	56	75	56	75	56	75	56	76	57	77	58
63	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0

Appendix A - Table A6

Forecast of Population and Households within Suez's Planning Area by TAZ 2010 - 2065 - Based Upon COMPASS Communities in Motion 2040 Forecast

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	Forecasted Suez Planning Area Population and Households by TAZ									
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households
64	Downtown Boise	100%	2	2	2	2	2	2	24	21	67	51	120	91
65	Downtown Boise	100%	87	68	87	68	88	68	106	82	137	104	176	134
66	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
67	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
68	Downtown Boise	100%	38	23	38	23	36	23	49	31	65	43	89	59
69	Downtown Boise	100%	156	133	156	133	168	133	179	142	210	155	233	173
70	Downtown Boise	100%	0	0	0	0	0	0	44	26	119	66	215	120
71	Downtown Boise	100%	3	3	3	3	3	3	3	3	4	3	4	3
72	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
73	Downtown Boise	100%	2	1	2	1	1	1	1	1	1	1	1	1
74	Downtown Boise	100%	0	0	0	0	0	0	39	24	102	61	183	110
75	Downtown Boise	100%	88	45	90	46	87	47	91	49	91	52	96	55
697	Eagle-Floating Feather	100%	337	95	341	96	336	97	339	98	333	99	336	100
699	Eagle-Floating Feather	100%	164	44	164	44	163	44	163	44	161	44	161	44
701	Eagle-Floating Feather	100%	138	37	142	38	136	38	143	40	147	43	161	47
703	Eagle-Floating Feather	100%	53	13	200	49	268	70	321	84	313	88	317	89
704	Eagle-Floating Feather	100%	70	24	73	25	75	25	117	39	187	61	279	91
705	Eagle-Floating Feather	100%	131	42	143	46	154	50	188	61	228	75	281	93
708	Eagle-Floating Feather	100%	178	53	282	84	415	128	487	150	468	150	468	150
709	Eagle-Floating Feather	100%	222	66	246	73	274	83	314	95	343	106	385	119
738	Eagle-Island	100%	932	335	946	340	937	350	961	359	936	364	949	369
751	Eagle-Island	100%	111	42	338	128	551	209	630	239	627	239	627	238
752	Eagle-Island	100%	0	0	0	0	0	0	10	5	20	10	40	20
706	Eagle-South River	10%	21	9	22	9	22	10	23	10	22	10	23	10
744	Eagle-South River	75%	663	230	763	264	839	296	935	329	1,010	362	1,009	361
745	Eagle-South River	100%	866	280	878	284	897	290	909	294	910	295	910	294
746	Eagle-South River	60%	97	28	105	31	109	35	205	65	310	110	476	168
747	Eagle-South River	60%	25	7	25	7	25	7	25	7	24	7	24	7
748	Eagle-South River	100%	18	5	18	5	17	5	17	5	16	5	16	5
749	Eagle-South River	85%	749	292	799	311	850	332	882	345	883	347	883	347
750	Eagle-South River	50%	147	46	201	62	253	80	273	86	268	85	268	85
698	Eagle-State Corridor	100%	846	236	850	237	846	239	853	241	848	243	854	244
700	Eagle-State Corridor	100%	533	150	647	182	746	215	947	273	1,141	337	1,411	417
702	Eagle-State Corridor	100%	75	25	90	30	120	39	272	88	497	157	784	247
707	Eagle-State Corridor	50%	21	7	24	8	27	9	50	17	75	28	114	43
713	Eagle-State Corridor	75%	142	47	176	59	203	66	215	70	219	70	218	70
714	Eagle-State Corridor	50%	52	20	52	20	54	20	54	20	55	20	55	20
76	East End	100%	599	319	601	320	581	322	583	323	559	322	559	322
77	East End	100%	634	359	636	360	621	361	629	366	623	372	638	381
78	East End	100%	516	248	522	251	518	255	529	260	523	264	533	268
79	East End	100%	2,013	777	2,070	799	2,130	831	2,179	850	2,161	853	2,160	852
80	East End	100%	316	51	316	51	316	51	344	63	384	81	442	106

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Forecast of Population and Households within Suez's Planning Area by TAZ 2010 - 2065 - Based Upon COMPASS Communities in Motion 2040 Forecast

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	Forecasted Suez Planning Area Population and Households by TAZ									
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households
81	East End	100%	541	249	543	250	532	251	537	253	531	257	541	261
82	East End	100%	369	146	374	148	372	152	380	155	369	156	369	156
83	East End	100%	48	19	48	19	46	19	51	21	56	24	65	28
84	East End	100%	379	179	383	181	381	182	386	184	387	187	393	190
85	East End	100%	196	119	196	119	196	119	196	119	196	119	196	119
86	East End	100%	780	460	780	460	760	460	765	463	751	467	760	473
87	East End	100%	70	48	70	48	69	48	70	49	70	50	72	51
88	East End	100%	0	0	0	0	0	0	0	0	0	0	0	0
89	East End	100%	101	55	101	55	99	55	99	55	98	56	100	57
90	East End	100%	422	167	435	172	388	181	399	186	327	186	327	186
780	East Foothills	100%	1	0	0	0	0	0	116	46	305	117	556	213
781	East Foothills	100%	6	2	6	2	6	2	160	55	391	139	709	251
785	East Foothills	100%	90	30	93	31	90	32	116	41	143	54	191	72
631	Foothills Rural	40%	0	0	0	0	0	0	1	0	3	1	6	2
633	Foothills Rural	100%	27	10	348	129	932	349	1,367	512	1,946	737	2,728	1,033
634	Foothills Rural	100%	7	3	9	4	10	4	10	4	11	4	11	4
635	Foothills Rural	100%	58	20	61	21	71	24	159	54	296	99	476	159
637	Foothills Rural	100%	473	141	1,134	338	2,295	705	2,399	737	2,321	736	2,320	735
638	Foothills Rural	100%	1,747	539	1,867	576	1,930	607	2,012	633	2,019	648	2,068	664
646	Foothills Rural	15%	2	1	2	1	2	1	2	1	2	1	2	1
647	Foothills Rural	50%	10	4	15	5	21	7	31	11	43	14	56	19
648	Foothills Rural	40%	45	18	50	20	61	24	72	28	82	31	91	34
649	Foothills Rural	85%	13	5	28	11	35	13	37	14	40	14	40	14
650	Foothills Rural	100%	43	16	578	215	1,522	556	1,736	634	1,796	644	1,795	644
651	Foothills Rural	50%	67	23	108	37	165	56	196	66	199	67	199	67
652	Foothills Rural	100%	2	1	238	119	800	339	1,211	513	2,054	755	2,922	1,074
658	Garden City	100%	18	7	18	7	18	7	18	7	18	7	18	7
661	Garden City	20%	9	4	10	5	11	5	12	6	13	6	13	6
692	Garden City	60%	4	1	4	1	4	1	4	1	4	1	4	1
693	Garden City	50%	329	178	330	179	321	179	334	187	341	197	367	212
694	Garden City	100%	81	43	81	43	83	43	150	78	258	132	400	205
695	Garden City	100%	63	33	65	34	65	34	69	36	75	39	83	43
539	North End	100%	856	376	861	378	877	382	985	429	1,155	499	1,374	594
540	North End	100%	687	311	702	318	728	329	741	335	741	334	740	334
541	North End	100%	645	292	645	292	637	295	639	296	623	296	623	295
542	North End	100%	456	218	458	219	455	220	455	220	450	220	450	220
543	North End	100%	859	327	864	329	845	330	856	334	846	338	860	344
544	North End	100%	396	166	398	167	391	168	396	170	392	173	399	176
545	North End	100%	466	207	491	218	507	228	521	234	516	235	516	234
546	North End	100%	534	255	538	257	528	260	542	267	538	274	555	282
547	North End	100%	395	185	397	186	400	189	503	238	653	311	859	410
548	North End	100%	173	90	175	91	175	94	181	97	178	99	182	101
549	North End	100%	558	259	562	261	551	264	559	268	549	272	559	276

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Forecast of Population and Households within Suez's Planning Area by TAZ 2010 - 2065 - Based Upon COMPASS Communities in Motion 2040 Forecast

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	Forecasted Suez Planning Area Population and Households by TAZ									
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households
550	North End	100%	487	222	491	224	482	226	503	236	515	249	550	265
551	North End	100%	357	162	368	167	360	167	362	168	357	170	361	172
552	North End	100%	347	152	347	152	339	152	341	153	337	155	343	158
553	North End	100%	506	242	508	243	495	244	501	247	495	252	509	258
554	North End	100%	360	172	362	173	352	173	356	175	351	178	359	182
555	North End	100%	157	75	157	75	150	75	154	77	150	79	156	82
556	North End	100%	265	131	267	132	267	133	267	133	266	133	267	134
557	North End	100%	214	117	214	117	211	117	212	118	211	119	213	120
558	North End	100%	736	373	738	374	719	375	729	380	720	386	736	395
559	North End	100%	151	65	156	67	152	67	154	68	152	69	155	70
560	North End	100%	797	425	799	426	775	427	786	433	776	441	796	453
561	North End	100%	855	507	858	509	841	510	848	514	837	519	849	527
562	North End	100%	370	184	372	185	364	186	368	188	363	191	371	195
563	North End	100%	359	166	361	167	349	167	354	169	349	173	359	178
564	North End	100%	681	302	683	303	673	304	680	307	675	310	683	314
565	North End	100%	682	308	686	310	672	310	679	313	674	317	688	324
566	North End	100%	247	101	247	101	242	101	242	101	236	101	238	102
567	North End	100%	336	158	334	157	321	157	327	160	322	165	334	171
568	North End	100%	411	209	413	210	405	211	408	213	404	217	414	222
569	North End	100%	417	208	419	209	414	210	462	234	523	270	617	317
570	North End	100%	528	257	528	257	512	257	537	270	560	291	615	319
571	North End	100%	529	213	534	215	516	218	578	244	634	282	746	331
572	North End	100%	67	34	69	35	67	35	73	38	78	42	89	48
573	North End	100%	409	229	411	230	398	231	454	264	522	315	638	385
574	North End	100%	562	264	566	266	556	268	568	274	569	282	591	292
575	North End	100%	127	63	127	63	126	63	202	101	320	161	481	241
576	North End	100%	594	248	596	249	577	252	669	292	770	352	946	433
837	North Meridian	50%	99	31	100	31	102	32	110	35	117	37	128	41
838	North Meridian	100%	130	43	333	110	729	235	980	316	1,337	420	1,768	556
842	North Meridian	50%	25	9	216	75	481	161	542	181	586	189	598	193
845	North Meridian	50%	300	93	461	143	668	210	706	222	699	223	699	223
846	North Meridian	20%	25	7	25	7	25	7	29	9	34	10	43	13
903	North Meridian	100%	1,439	481	1,442	482	1,428	483	1,428	483	1,409	482	1,408	482
904	North Meridian	100%	1,150	410	1,181	421	1,185	431	1,213	441	1,206	447	1,224	454
91	Southeast Boise	100%	156	116	157	117	163	117	175	126	201	140	228	159
92	Southeast Boise	100%	177	111	177	111	176	111	179	113	182	116	187	119
93	Southeast Boise	100%	351	161	355	163	363	167	411	189	477	221	568	262
94	Southeast Boise	100%	408	218	410	219	406	219	406	219	401	219	401	219
95	Southeast Boise	100%	471	285	473	286	458	286	458	286	442	286	442	285
96	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
97	Southeast Boise	100%	664	420	664	420	629	420	653	436	649	459	695	492
98	Southeast Boise	100%	284	126	286	127	281	127	283	128	281	130	285	132
99	Southeast Boise	100%	496	325	496	325	475	325	475	325	453	324	453	324
100	Southeast Boise	100%	466	291	466	291	443	291	458	301	454	315	484	336
101	Southeast Boise	100%	395	206	397	207	391	209	397	212	392	215	399	219

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Forecast of Population and Households within Suez's Planning Area by TAZ 2010 - 2065 - Based Upon COMPASS Communities in Motion 2040 Forecast

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	Forecasted Suez Planning Area Population and Households by TAZ									
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households
102	Southeast Boise	100%	426	269	428	270	413	271	421	276	414	283	428	292
103	Southeast Boise	100%	1,017	0	1,017	0	1,017	0	1,017	0	1,015	0	1,015	0
104	Southeast Boise	100%	210	118	210	118	203	118	295	171	425	255	613	367
105	Southeast Boise	100%	507	242	509	243	490	243	506	251	511	264	543	280
106	Southeast Boise	100%	167	81	169	82	170	82	199	96	247	119	311	150
107	Southeast Boise	100%	84	53	86	54	86	55	86	55	84	55	84	55
108	Southeast Boise	100%	790	425	790	425	757	425	772	433	758	444	784	460
109	Southeast Boise	100%	77	46	77	46	79	46	106	62	151	87	209	120
110	Southeast Boise	100%	1,090	491	1,097	494	1,067	497	1,264	589	1,510	729	1,899	916
111	Southeast Boise	100%	1,014	461	1,021	464	996	468	1,237	581	1,548	753	2,025	985
112	Southeast Boise	100%	621	268	635	274	624	281	837	377	1,103	520	1,508	711
113	Southeast Boise	100%	511	192	516	194	498	197	705	279	964	403	1,362	570
114	Southeast Boise	100%	768	339	773	341	761	345	774	351	765	356	779	363
115	Southeast Boise	100%	858	393	884	405	870	406	876	409	865	412	876	417
116	Southeast Boise	100%	1,427	691	1,489	721	1,581	778	1,615	795	1,618	810	1,655	828
117	Southeast Boise	100%	709	375	735	389	748	405	763	413	744	412	743	412
118	Southeast Boise	100%	349	173	349	173	341	173	367	186	396	206	448	232
119	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
120	Southeast Boise	100%	1,217	542	1,217	542	1,183	542	1,194	547	1,177	555	1,202	567
121	Southeast Boise	100%	468	235	470	236	466	238	480	245	488	254	509	264
124	Southeast Boise	100%	658	248	658	248	652	248	654	249	652	251	659	253
125	Southeast Boise	100%	586	241	588	242	578	242	589	247	594	254	617	263
127	Southeast Boise	100%	32	12	32	12	34	12	67	24	126	43	202	69
133	Southeast Boise	100%	527	189	535	192	535	193	535	193	532	193	532	193
134	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
135	Southeast Boise	100%	568	232	570	233	562	235	565	236	551	236	551	235
136	Southeast Boise	100%	526	220	538	225	530	225	534	227	532	230	541	233
137	Southeast Boise	100%	491	218	509	226	537	241	546	245	548	249	559	253
138	Southeast Boise	100%	831	331	834	332	829	333	832	334	826	334	830	336
139	Southeast Boise	100%	351	176	353	177	350	177	350	177	348	178	349	179
140	Southeast Boise	100%	941	405	943	406	926	406	935	410	930	415	948	423
141	Southeast Boise	100%	526	218	533	221	525	221	539	227	552	237	583	249
142	Southeast Boise	100%	592	229	592	229	584	229	584	229	575	229	575	228
143	Southeast Boise	100%	134	57	136	58	136	58	141	60	147	63	157	67
144	Southeast Boise	100%	436	184	438	185	432	185	432	185	424	185	424	185
145	Southeast Boise	100%	913	363	958	381	957	392	972	398	940	397	940	397
146	Southeast Boise	100%	787	301	787	301	786	301	786	301	785	300	784	300
147	Southeast Boise	100%	330	118	495	177	627	220	690	242	702	242	701	241
148	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
149	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
150	Southeast Boise	100%	629	246	637	249	599	249	599	249	560	249	560	248
151	Southeast Boise	100%	2,616	959	2,621	961	2,588	964	2,594	966	2,548	964	2,546	964
152	Southeast Boise	100%	1,181	366	1,216	377	1,277	399	1,312	410	1,300	409	1,299	409
153	Southeast Boise	100%	235	83	235	83	247	83	247	83	259	83	258	83
154	Southeast Boise	100%	76	31	76	31	76	31	76	31	76	31	76	31
155	Southeast Boise	100%	281	136	281	136	271	136	275	138	270	141	277	145
156	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0

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TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	Forecasted Suez Planning Area Population and Households by TAZ									
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households
157	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
158	Southeast Boise	100%	1,472	499	1,490	505	1,480	509	1,486	511	1,462	510	1,462	510
159	Southeast Boise	100%	836	265	839	266	837	269	862	277	882	288	925	301
160	Southeast Boise	100%	4	2	150	75	482	205	529	225	607	225	607	224
161	Southeast Boise	100%	75	20	75	20	74	20	74	20	73	20	73	20
162	Southeast Boise	100%	2	1	2	1	2	1	2	1	3	2	5	3
163	Southeast Boise	100%	476	245	476	245	470	247	478	251	476	256	488	261
164	Southeast Boise	100%	699	293	720	302	750	319	766	326	763	329	769	332
165	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
166	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
167	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
168	Southeast Boise	100%	314	156	314	156	278	156	303	170	298	192	343	221
178	Southeast Boise	100%	1	1	1	1	1	1	1	1	2	1	2	1
179	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
200	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
201	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
202	Southeast Boise	100%	13	5	13	5	13	5	13	5	13	5	13	5
203	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
126	Southeast-Barber Valley	100%	0	0	83	33	255	95	419	156	696	243	1,025	357
128	Southeast-Barber Valley	100%	6	3	318	159	643	322	777	389	927	465	1,117	561
129	Southeast-Barber Valley	50%	628	241	781	299	948	366	1,038	400	1,029	399	1,028	399
130	Southeast-Barber Valley	20%	3	1	3	1	3	1	3	1	3	2	4	2
132	Southeast-Barber Valley	100%	386	148	511	196	609	236	619	240	612	240	612	239
204	Southwest Boise	100%	18	5	18	5	17	5	24	7	31	10	41	13
205	Southwest Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
206	Southwest Boise	100%	0	0	3	1	3	1	3	1	3	1	3	1
207	Southwest Boise	100%	552	195	560	198	567	203	575	206	569	207	572	208
208	Southwest Boise	100%	609	217	626	223	641	231	661	238	677	247	706	257
209	Southwest Boise	100%	158	54	161	55	156	55	165	58	173	63	192	70
210	Southwest Boise	100%	160	105	232	152	367	235	400	256	420	263	423	264
211	Southwest Boise	100%	167	60	170	61	169	61	169	61	169	61	169	61
212	Southwest Boise	100%	152	45	152	45	152	45	152	45	152	45	152	45
213	Southwest Boise	100%	186	78	188	79	187	80	189	81	188	82	190	83
214	Southwest Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
218	Southwest Boise	100%	1,035	377	1,137	414	1,309	482	1,406	518	1,394	519	1,393	519
219	Southwest Boise	100%	1,083	383	1,083	383	1,065	384	1,065	384	1,043	383	1,043	383
220	Southwest Boise	100%	1,951	659	1,963	663	1,946	666	1,963	672	1,954	678	1,978	686
221	Southwest Boise	100%	726	262	734	265	719	265	719	265	702	265	701	264
222	Southwest Boise	100%	880	273	899	279	897	282	904	284	890	284	890	283
223	Southwest Boise	100%	683	220	767	247	776	260	809	271	792	277	805	281
224	Southwest Boise	100%	831	272	834	273	831	273	879	289	949	313	1,049	346
225	Southwest Boise	100%	673	217	673	217	662	217	668	219	666	222	677	225
226	Southwest Boise	100%	0	0	0	0	0	0	20	10	40	20	60	30
227	Southwest Boise	100%	653	197	656	198	654	199	654	199	647	199	646	199
228	Southwest Boise	100%	449	150	449	150	441	150	441	150	431	150	431	150

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Forecast of Population and Households within Suez's Planning Area by TAZ 2010 - 2065 - Based Upon COMPASS Communities in Motion 2040 Forecast

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	Forecasted Suez Planning Area Population and Households by TAZ									
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households
229	Southwest Boise	100%	591	199	594	200	584	200	584	200	573	200	573	200
230	Southwest Boise	100%	188	69	188	69	186	69	186	69	183	69	183	69
231	Southwest Boise	100%	683	235	686	236	679	237	679	237	667	237	666	236
232	Southwest Boise	100%	404	141	407	142	399	142	405	144	404	147	415	151
233	Southwest Boise	100%	703	242	732	252	770	272	807	285	796	289	800	290
234	Southwest Boise	100%	213	76	219	78	226	81	284	102	365	132	476	172
235	Southwest Boise	100%	259	94	259	94	265	94	324	115	425	148	555	193
236	Southwest Boise	100%	136	49	136	49	138	49	138	49	139	49	139	49
237	Southwest Boise	100%	408	132	411	133	403	133	578	191	835	282	1,194	403
238	Southwest Boise	100%	212	71	212	71	218	71	218	71	224	71	223	71
239	Southwest Boise	100%	116	43	116	43	114	43	137	52	171	66	216	84
240	Southwest Boise	100%	405	129	405	129	401	129	401	129	396	129	396	129
241	Southwest Boise	100%	1,331	504	1,439	545	1,496	572	1,533	586	1,515	585	1,514	585
242	Southwest Boise	100%	1,150	435	1,153	436	1,140	437	1,143	438	1,126	437	1,125	437
243	Southwest Boise	100%	501	159	504	160	495	160	501	162	500	165	512	169
244	Southwest Boise	100%	182	73	184	74	178	74	178	74	171	74	171	74
246	Southwest Boise	100%	154	51	190	63	233	80	262	90	258	92	257	92
248	Southwest Boise	100%	993	427	1,000	430	1,003	436	1,028	447	1,042	458	1,075	473
251	Southwest Boise	100%	789	280	803	285	794	288	799	290	781	290	780	289
252	Southwest Boise	100%	588	229	683	266	760	302	806	320	788	319	787	319
253	Southwest Boise	100%	249	87	255	89	255	90	309	109	386	138	495	177
254	Southwest Boise	100%	536	196	686	251	840	307	889	325	887	324	887	324
255	Southwest Boise	100%	932	344	1,073	396	1,226	468	1,331	508	1,393	550	1,522	602
256	Southwest Boise	100%	330	116	367	129	378	134	386	137	385	138	385	138
257	Southwest Boise	100%	932	311	935	312	921	312	927	314	916	315	925	318
258	Southwest Boise	100%	786	268	795	271	787	271	790	272	784	273	785	273
259	Southwest Boise	100%	198	76	808	310	1,691	700	2,186	905	2,567	1,153	3,271	1,470
260	Southwest Boise	100%	770	284	773	285	766	286	771	288	766	290	773	292
261	Southwest Boise	100%	506	179	509	180	497	180	502	182	500	186	513	191
262	Southwest Boise	100%	2,765	761	2,972	818	2,886	887	3,661	1,125	4,142	1,441	5,324	1,852
263	Southwest Boise	100%	996	311	1,262	394	1,650	538	1,840	600	1,931	659	2,137	729
264	Southwest Boise	30%	46	17	47	17	53	18	72	25	103	35	140	47
265	Southwest Boise	100%	408	141	420	145	438	152	449	156	449	157	449	157
267	Southwest Boise	50%	652	223	673	230	679	235	709	245	736	257	781	273
268	Southwest Boise	100%	1	1	1	1	2	1	42	27	143	68	257	123
269	Southwest Boise	100%	183	63	183	63	181	63	181	63	178	63	181	64
272	Southwest Boise	100%	133	52	136	53	130	53	130	53	124	53	124	53
273	Southwest Boise	100%	464	131	464	131	456	131	463	133	463	136	477	140
276	Southwest Boise	100%	101	37	98	36	103	37	292	105	598	212	1,004	355
277	Southwest Boise	100%	1,580	528	1,583	529	1,567	529	1,567	529	1,549	528	1,548	528
279	Southwest Boise	100%	94	34	97	35	97	35	164	59	269	96	409	146
281	Southwest Boise	100%	493	195	496	196	490	196	490	196	484	196	484	196
282	Southwest Boise	100%	1,500	508	1,538	521	1,561	537	1,590	547	1,568	548	1,567	548
286	Southwest Boise	100%	21	8	26	10	22	10	22	10	18	10	19	11
289	Southwest Boise	100%	51	21	51	21	51	21	51	21	51	21	51	21
293	Southwest Boise	100%	1,631	534	1,658	543	1,636	547	1,704	570	1,758	601	1,880	643
294	Southwest Boise	100%	1,216	395	1,216	395	1,207	395	1,252	410	1,313	433	1,409	465

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TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	Forecasted Suez Planning Area Population and Households by TAZ									
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households
295	Southwest Boise	100%	306	88	309	89	274	90	286	94	260	100	283	109
297	Southwest Boise	100%	249	87	249	87	241	87	241	87	233	87	232	87
324	Southwest Boise	100%	24	11	24	11	24	11	24	11	25	11	25	11
325	Southwest Boise	100%	8	4	8	4	8	4	8	4	8	4	10	5
283	Ten Mile Creek Rural	85%	3	1	3	1	3	1	3	1	3	1	3	1
284	Ten Mile Creek Rural	100%	98	45	102	47	103	50	107	52	100	52	100	52
285	Ten Mile Creek Rural	100%	0	0	0	0	0	0	0	0	0	0	0	0
287	Ten Mile Creek Rural	100%	0	0	0	0	0	0	0	0	0	0	0	0
288	Ten Mile Creek Rural	100%	0	0	0	0	0	0	0	0	0	0	0	0
290	Ten Mile Creek Rural	100%	0	0	0	0	0	0	0	0	0	0	0	0
291	Ten Mile Creek Rural	100%	10	5	10	5	10	5	12	6	14	7	17	9
292	Ten Mile Creek Rural	100%	0	0	0	0	0	0	0	0	0	0	0	0
303	Ten Mile Creek Rural	100%	0	0	0	0	0	0	0	0	0	0	0	0
305	Ten Mile Creek Rural	100%	73	24	73	24	70	24	73	25	75	27	83	30
312	Ten Mile Creek Rural	100%	21	7	21	7	21	7	21	7	21	7	21	7
315	Ten Mile Creek Rural	15%	0	0	0	0	0	0	0	0	0	0	0	0
411	West Bench	100%	1,462	526	1,462	526	1,429	526	1,443	531	1,427	537	1,452	547
412	West Bench	100%	1,733	577	1,736	578	1,698	578	1,712	583	1,694	590	1,724	601
413	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
414	West Bench	100%	1,572	651	1,599	662	1,537	674	1,551	680	1,456	679	1,456	678
415	West Bench	100%	651	235	654	236	652	238	657	240	654	242	658	243
416	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
417	West Bench	100%	1,430	483	1,442	487	1,443	495	1,455	499	1,430	498	1,430	498
418	West Bench	100%	1,318	436	1,336	442	1,241	454	1,312	480	1,257	514	1,368	560
419	West Bench	100%	1,006	300	1,006	300	1,005	300	1,005	300	1,003	299	1,003	299
420	West Bench	100%	1,877	663	1,880	664	1,805	664	1,843	678	1,822	699	1,899	728
421	West Bench	100%	1,040	334	1,137	365	1,208	387	1,242	398	1,243	397	1,242	397
422	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
423	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
424	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
425	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
426	West Bench	100%	1,279	427	1,294	432	1,266	436	1,275	439	1,235	439	1,234	439
427	West Bench	100%	1,406	419	1,406	419	1,367	419	1,377	422	1,348	425	1,363	430
428	West Bench	100%	719	224	722	225	713	225	735	232	760	243	806	257
429	West Bench	50%	46	12	372	97	322	97	322	97	271	97	271	97
430	West Bench	100%	469	157	472	158	469	159	469	159	461	159	461	159
431	West Bench	100%	1,403	543	1,406	544	1,381	547	1,386	549	1,352	548	1,351	548
432	West Bench	100%	899	287	905	289	905	292	911	294	902	295	905	295
433	West Bench	100%	1,510	538	1,521	542	1,507	549	1,510	550	1,473	549	1,473	549
434	West Bench	100%	1,031	399	1,052	407	1,058	413	1,083	423	1,097	432	1,126	444
435	West Bench	80%	1,724	606	1,726	607	1,702	610	1,718	615	1,701	621	1,722	628
437	West Bench	60%	158	60	158	60	158	60	158	60	158	60	158	60
438	West Bench	100%	184	70	184	70	178	70	216	85	265	108	340	139
439	West Bench	100%	1,129	435	1,137	438	1,160	443	1,299	496	1,516	574	1,793	678
443	West Bench	100%	1,150	439	1,150	439	1,129	439	1,136	442	1,125	446	1,142	453

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TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	Forecasted Suez Planning Area Population and Households by TAZ									
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households
444	West Bench	100%	1,459	517	1,473	522	1,465	528	1,526	550	1,576	578	1,678	616
445	West Bench	100%	1,229	474	1,328	512	1,391	547	1,437	565	1,406	564	1,405	564
446	West Bench	50%	417	118	483	136	508	149	533	157	513	157	512	157
451	West Bench	100%	605	180	605	180	596	180	600	181	597	183	603	185
452	West Bench	50%	174	59	175	59	175	59	175	59	174	59	174	59
453	West Bench	100%	84	29	84	29	83	29	83	29	82	29	82	29
454	West Bench	100%	52	17	52	17	53	17	53	17	54	17	57	18
456	West Bench	100%	407	135	407	135	404	135	404	135	401	135	401	135
457	West Bench	100%	58	19	58	19	55	19	58	20	61	22	67	24
458	West Bench	100%	8	3	8	3	8	3	8	3	8	3	8	3
463	West Bench	100%	1,918	823	1,925	826	1,876	827	2,042	900	2,234	1,012	2,572	1,165
464	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
465	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
466	West Bench	100%	898	327	901	328	898	329	955	350	1,031	380	1,144	422
467	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
468	West Bench	100%	1,680	651	1,701	659	1,693	668	1,713	676	1,691	680	1,702	684
469	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
470	West Bench	100%	203	74	203	74	195	74	200	76	201	80	214	85
471	West Bench	100%	1,016	397	1,016	397	1,002	397	1,005	398	994	399	1,001	402
472	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
473	West Bench	100%	659	266	661	267	648	270	657	274	644	278	654	282
474	West Bench	100%	79	31	79	31	79	31	81	32	86	34	91	36
475	West Bench	100%	848	415	852	417	834	421	850	429	840	437	859	447
476	West Bench	100%	771	336	785	342	785	353	811	365	806	374	828	385
477	West Bench	25%	110	52	111	52	106	52	109	54	107	55	110	57
478	West Bench	100%	611	272	615	274	603	278	764	352	971	464	1,286	615
479	West Bench	100%	0	0	0	0	0	0	102	42	238	108	433	197
480	West Bench	100%	1,131	655	1,140	660	1,148	661	1,243	716	1,399	801	1,599	916
481	West Bench	100%	0	0	0	0	0	0	87	35	210	90	382	164
482	West Bench	100%	1,542	577	1,547	579	1,455	583	1,550	621	1,569	677	1,741	751
483	West Bench	100%	97	27	97	27	89	27	106	32	118	39	148	49
484	West Bench	100%	378	207	378	207	381	207	503	273	698	375	953	513
485	West Bench	100%	0	0	0	0	0	0	27	11	60	27	108	49
486	West Bench	100%	384	154	386	155	365	157	526	226	718	332	1,026	475
487	West Bench	100%	181	73	181	73	160	73	186	85	195	103	241	128
488	West Bench	100%	286	111	286	111	280	111	356	141	464	188	620	250
489	West Bench	100%	415	161	503	195	528	221	685	287	811	368	1,038	472
490	West Bench	100%	102	0	102	0	102	0	102	0	102	0	102	0
491	West Bench	100%	3	1	3	1	3	1	3	1	3	1	3	1
492	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
493	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
494	West Bench	100%	9	4	9	4	9	4	99	46	232	112	415	201
495	West Bench	100%	552	221	702	281	874	363	1,006	418	1,098	474	1,257	543
496	West Bench	100%	1,350	507	1,363	512	1,314	518	1,662	655	2,082	864	2,758	1,143
497	West Bench	100%	998	337	1,007	340	982	346	1,067	376	1,132	417	1,280	472
498	West Bench	100%	163	62	181	69	227	84	248	92	255	92	254	92
499	West Bench	100%	625	235	628	236	610	236	610	236	591	236	591	235

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TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	2010 Census Population	2010 Census Households	Forecasted Suez Planning Area Population and Households by TAZ									
					2015 Population	2015 Households	2020 Population	2020 Households	2025 Population	2025 Households	2030 Population	2030 Households	2035 Population	2035 Households
500	West Bench	100%	132	44	156	52	159	55	179	62	198	71	227	82
502	West Bench	100%	848	242	848	242	835	242	838	243	830	245	839	247
504	West Bench	50%	15	10	15	10	20	10	31	16	60	25	88	37
506	West Bench	75%	177	62	177	62	162	62	260	99	374	157	559	235
507	West Bench	100%	2	1	2	1	2	1	2	1	2	1	100	50
508	West Bench	100%	3	1	3	1	3	1	3	1	3	1	3	1
509	West Bench	100%	2	1	2	1	2	1	2	1	2	1	2	1
510	West Bench	100%	1,221	426	1,224	427	1,213	428	1,219	430	1,211	432	1,218	435
511	West Bench	100%	1,507	613	1,537	625	1,543	644	1,584	661	1,566	671	1,591	681
513	West Bench	100%	895	409	915	418	966	431	1,082	483	1,266	552	1,476	644
514	West Bench	100%	1,185	523	1,267	559	1,395	622	1,467	654	1,449	653	1,449	653
515	West Bench	100%	706	294	730	304	751	323	797	343	808	359	849	378
516	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
517	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
518	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
519	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
520	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
521	West Bench	100%	1,252	555	1,257	557	1,251	560	1,264	566	1,265	572	1,282	580
522	West Bench	100%	98	54	98	54	92	54	92	54	86	54	87	55
523	West Bench	20%	179	73	181	73	178	75	182	77	180	79	185	81
524	West Bench	100%	913	487	913	487	877	487	1,011	561	1,168	676	1,439	832
525	West Bench	100%	796	332	796	332	759	332	901	394	1,064	489	1,346	619
526	West Bench	100%	624	263	638	269	645	278	684	295	726	320	804	355
527	West Bench	100%	10	4	10	4	9	4	67	31	135	74	240	132
528	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
529	West Bench	100%	292	107	297	109	279	112	434	174	605	268	889	393
530	West Bench	100%	166	60	166	60	164	60	186	68	216	80	258	96
531	West Bench	100%	772	355	798	367	827	391	957	452	1,085	527	1,285	625
532	West Bench	100%	41	14	41	14	40	14	46	16	54	19	63	22
533	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
534	West Bench	100%	43	19	45	20	44	20	48	22	55	26	66	31
536	West Bench	100%	57	16	57	16	57	16	57	16	57	16	57	16
655	West Bench	100%	186	67	186	67	179	67	192	72	204	80	231	91
656	West Bench	100%	66	26	69	27	64	28	69	30	65	32	69	34
	Suez's Planning Area		237,670	95,886	247,345	99,519	254,876	104,445	272,927	112,020	288,770	121,584	317,524	134,294
	5-Year Absolute Change				9,675	3,633	7,531	4,925	18,051	7,576	15,844	9,564	28,754	12,710
	Ada County		390,768	145,433	431,010	161,214	474,430	178,352	517,167	196,035	563,256	214,915	612,605	234,856
	5-Year Absolute Change				28,153	9,595	28,783	13,524	44,964	17,130	42,274	21,671	70,720	28,379
	Suez's Planning Area as a Percent of Ada County		60.8%	65.9%	57.4%	61.7%	53.7%	58.6%	52.8%	57.1%	51.3%	56.6%	51.8%	57.2%

Appendix A - Table A6

Forecast of Population and Households within Suez's Planning Area by TAZ 2010 - 2065 - Based Upon COMPASS Communities in Motion 2040 Forecast

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	Forecasted Suez Planning Area Population and Households by TAZ											
			2040 Population	2040 Households	2045 Population	2045 Households	2050 Population	2050 Households	2055 Population	2055 Households	2060 Population	2060 Households	2065 Population	2065 Households
180	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
181	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
182	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
183	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
184	Airport	100%	5	3	5	3	5	3	6	3	6	3	6	4
185	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
186	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
187	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
188	Airport	100%	6	4	6	4	6	4	6	4	7	4	7	5
189	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
190	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
191	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
192	Airport	100%	3	2	3	2	3	2	3	2	3	2	3	2
193	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
194	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
195	Airport	100%	128	57	141	63	160	71	183	81	211	94	243	108
196	Airport	100%	370	165	427	191	447	200	476	213	507	228	542	244
197	Airport	100%	21	7	21	7	22	7	24	8	25	9	27	9
198	Airport	100%	3	2	3	2	3	2	3	2	3	2	3	3
199	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
215	Airport	100%	16	5	16	5	17	5	18	6	19	6	21	7
216	Airport	100%	18	7	18	7	19	7	20	8	22	9	23	9
217	Airport	100%	8	6	8	6	8	6	9	7	10	7	10	8
245	Airport	100%	328	130	345	137	373	148	409	163	450	179	496	197
247	Airport	100%	8	3	8	3	8	3	9	3	9	3	9	4
249	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
250	Airport	100%	0	0	0	0	0	0	0	0	0	0	0	0
280	Airport	100%	0	0	50	22	103	45	163	71	230	101	304	133
169	Blacks Creek Rural	100%	0	0	0	0	0	0	0	0	0	0	0	0
170	Blacks Creek Rural	100%	0	0	0	0	0	0	0	0	0	0	0	0
171	Blacks Creek Rural	100%	0	0	0	0	0	0	0	0	0	0	0	0
172	Blacks Creek Rural	15%	1	1	1	1	1	1	1	1	1	1	1	1
175	Blacks Creek Rural	100%	4	2	4	2	5	2	5	2	5	3	6	3
176	Blacks Creek Rural	15%	0	0	0	0	0	0	0	0	0	0	0	0
611	Boise Foothills	100%	374	142	531	210	709	287	769	313	836	341	911	372
612	Boise Foothills	100%	884	382	921	398	982	425	1,066	464	1,159	505	1,262	551
613	Boise Foothills	0%	0	0	0	0	0	0	0	0	0	0	0	0
614	Boise Foothills	100%	44	20	48	22	54	25	62	29	72	33	83	38
615	Boise Foothills	100%	238	104	248	108	265	115	287	126	312	137	340	149
616	Boise Foothills	100%	175	73	182	76	194	81	211	88	229	96	250	105
617	Boise Foothills	80%	483	179	503	187	537	199	583	217	633	237	690	258
618	Boise Foothills	100%	166	51	173	53	184	56	200	62	217	67	237	73
619	Boise Foothills	100%	600	265	625	276	666	295	723	321	786	350	856	382
620	Boise Foothills	100%	313	124	326	130	348	138	377	151	410	164	447	179
621	Boise Foothills	100%	1,096	497	1,141	518	1,217	553	1,321	602	1,436	657	1,564	716

Appendix A - Table A6

Forecast of Population and Households within Suez's Planning Area by TAZ 2010 - 2065 - Based Upon COMPASS Communities in Motion 2040 Forecast

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	Forecasted Suez Planning Area Population and Households by TAZ											
			2040 Population	2040 Households	2045 Population	2045 Households	2050 Population	2050 Households	2055 Population	2055 Households	2060 Population	2060 Households	2065 Population	2065 Households
622	Boise Foothills	70%	0	0	0	0	0	0	0	0	0	0	0	0
623	Boise Foothills	80%	1,408	529	1,467	551	1,564	588	1,698	641	1,845	699	2,010	763
624	Boise Foothills	100%	64	22	70	24	79	27	91	31	104	36	120	42
625	Boise Foothills	40%	118	43	130	48	146	54	168	62	193	72	222	83
626	Boise Foothills	40%	347	141	362	146	386	156	419	170	455	186	496	203
627	Boise Foothills	100%	2,111	990	2,199	1,031	2,345	1,101	2,545	1,200	2,766	1,308	3,013	1,427
628	Boise Foothills	80%	354	140	368	146	393	156	426	170	463	185	505	202
629	Boise Foothills	100%	930	514	968	535	1,033	571	1,121	623	1,218	679	1,327	741
630	Boise Foothills	100%	369	31	385	32	410	34	445	37	484	41	527	45
583	Boise Northwest	100%	1,165	672	1,214	700	1,294	748	1,405	815	1,527	888	1,663	969
584	Boise Northwest	50%	309	122	322	127	343	136	372	148	405	161	441	176
585	Boise Northwest	100%	2,366	1,086	2,417	1,110	2,528	1,162	2,691	1,243	2,869	1,328	3,065	1,421
586	Boise Northwest	100%	31	12	34	13	38	15	44	17	51	20	58	23
587	Boise Northwest	70%	1,524	742	1,587	772	1,692	825	1,837	899	1,996	980	2,175	1,069
588	Boise Northwest	100%	2,182	807	2,273	840	2,424	897	2,631	978	2,860	1,066	3,115	1,163
589	Boise Northwest	100%	223	102	232	106	247	113	268	123	292	134	318	146
590	Boise Northwest	100%	466	210	485	218	518	233	562	254	611	277	665	302
591	Boise Northwest	100%	959	482	998	502	1,065	536	1,156	584	1,256	637	1,368	695
592	Boise Northwest	100%	349	151	364	158	388	168	421	184	458	200	499	218
593	Boise Northwest	100%	312	132	325	138	346	147	376	161	409	175	445	191
594	Boise Northwest	100%	1,237	541	1,288	563	1,374	601	1,491	656	1,621	715	1,765	780
595	Boise Northwest	100%	400	178	417	186	445	198	483	216	525	236	571	257
596	Boise Northwest	100%	360	137	375	143	399	153	434	167	471	182	513	198
597	Boise Northwest	100%	833	452	868	471	926	503	1,005	548	1,092	597	1,190	652
598	Boise Northwest	100%	329	149	342	156	365	166	396	181	431	197	469	215
599	Boise Northwest	100%	48	22	53	24	59	27	68	31	78	36	90	42
600	Boise Northwest	100%	0	0	0	0	0	0	0	0	0	0	0	0
601	Boise Northwest	100%	1,206	506	1,256	527	1,340	563	1,454	613	1,580	668	1,721	729
602	Boise Northwest	100%	1,057	474	1,101	494	1,174	527	1,274	575	1,385	626	1,509	683
603	Boise Northwest	100%	1,752	817	1,825	850	1,946	908	2,113	990	2,296	1,079	2,501	1,177
604	Boise Northwest	100%	336	180	350	188	373	200	405	219	440	238	479	260
605	Boise Northwest	100%	1,184	617	1,233	643	1,315	687	1,428	748	1,552	816	1,690	890
606	Boise Northwest	100%	878	402	915	419	975	447	1,059	488	1,151	532	1,253	580
607	Boise Northwest	100%	889	394	926	411	988	439	1,072	478	1,165	521	1,269	569
608	Boise Northwest	100%	601	268	626	279	668	298	725	325	788	354	858	386
609	Boise Northwest	100%	836	358	871	373	929	399	1,008	435	1,096	474	1,194	517
610	Boise Northwest	100%	257	106	268	110	286	117	310	128	337	139	367	152
326	Central Bench	100%	931	0	970	0	1,034	0	1,122	0	1,220	0	1,329	0
327	Central Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
328	Central Bench	100%	929	465	967	484	1,032	517	1,120	564	1,217	614	1,326	670
329	Central Bench	100%	531	354	554	369	590	394	641	430	696	468	759	511
330	Central Bench	100%	202	135	210	141	224	151	243	164	264	179	288	195
331	Central Bench	100%	3,698	1,777	3,852	1,851	4,108	1,977	4,459	2,155	4,846	2,349	5,279	2,563
332	Central Bench	100%	745	345	776	359	828	383	898	418	976	455	1,063	497
333	Central Bench	100%	744	343	775	357	826	381	897	415	975	453	1,062	494

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Forecast of Population and Households within Suez's Planning Area by TAZ 2010 - 2065 - Based Upon COMPASS Communities in Motion 2040 Forecast

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	Forecasted Suez Planning Area Population and Households by TAZ											
			2040 Population	2040 Households	2045 Population	2045 Households	2050 Population	2050 Households	2055 Population	2055 Households	2060 Population	2060 Households	2065 Population	2065 Households
334	Central Bench	100%	1,245	611	1,296	637	1,383	680	1,501	741	1,631	808	1,777	881
335	Central Bench	100%	140	82	148	86	159	93	175	102	192	112	212	123
336	Central Bench	100%	230	37	242	39	261	42	287	46	315	51	347	56
337	Central Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
338	Central Bench	100%	3	2	3	2	3	2	3	2	3	3	4	3
339	Central Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
340	Central Bench	100%	2,282	1,093	2,377	1,139	2,535	1,216	2,751	1,326	2,990	1,445	3,257	1,576
341	Central Bench	100%	1,527	706	1,590	735	1,696	785	1,841	856	2,001	933	2,179	1,018
342	Central Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
343	Central Bench	100%	3	2	3	2	3	2	4	2	4	3	4	3
344	Central Bench	100%	1,003	525	1,045	547	1,114	584	1,210	636	1,315	693	1,432	757
345	Central Bench	100%	263	148	277	156	299	168	328	185	361	204	398	224
346	Central Bench	100%	256	126	267	132	285	141	309	153	336	167	366	182
347	Central Bench	100%	235	109	245	113	262	121	284	132	309	143	336	156
348	Central Bench	100%	237	110	247	114	264	122	286	133	311	145	339	158
349	Central Bench	100%	653	333	680	346	725	370	787	403	855	439	932	480
350	Central Bench	100%	766	382	798	398	851	425	923	464	1,004	505	1,093	551
351	Central Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
352	Central Bench	100%	1,876	1,298	2,067	1,430	2,332	1,616	2,677	1,863	3,077	2,147	3,545	2,478
353	Central Bench	100%	281	130	310	144	349	162	401	187	461	216	531	249
354	Central Bench	100%	421	220	444	231	479	249	526	275	578	302	637	333
355	Central Bench	100%	341	192	359	202	387	218	425	240	467	264	515	291
356	Central Bench	100%	241	125	254	132	274	142	301	157	331	172	365	190
357	Central Bench	100%	42	21	44	22	47	24	52	26	57	29	63	32
358	Central Bench	100%	392	184	409	192	436	205	473	223	514	243	560	266
359	Central Bench	100%	578	288	602	300	642	320	697	349	758	380	825	415
360	Central Bench	100%	231	117	241	121	257	130	279	141	303	154	330	168
361	Central Bench	100%	374	187	390	195	416	208	452	227	491	247	535	270
362	Central Bench	100%	590	306	615	318	655	340	711	371	773	404	842	441
363	Central Bench	100%	463	237	482	247	514	264	558	287	607	313	661	342
364	Central Bench	100%	340	144	354	150	377	161	410	175	445	191	485	208
365	Central Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
366	Central Bench	100%	417	221	435	230	463	246	503	268	547	292	596	319
367	Central Bench	100%	398	201	415	210	442	224	480	244	522	266	569	290
368	Central Bench	100%	304	168	317	175	338	187	366	204	398	222	434	243
369	Central Bench	100%	999	435	1,041	453	1,110	484	1,205	528	1,310	575	1,426	627
370	Central Bench	100%	251	169	262	176	279	188	303	205	329	224	359	244
371	Central Bench	100%	1,286	403	1,340	420	1,429	449	1,551	489	1,686	533	1,836	581
372	Central Bench	100%	426	175	449	184	484	199	532	219	585	241	644	265
373	Central Bench	100%	428	258	451	271	487	292	534	322	587	354	647	390
374	Central Bench	100%	1,252	566	1,304	589	1,390	629	1,509	686	1,640	747	1,787	815
375	Central Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
376	Central Bench	100%	2,078	857	2,165	893	2,308	954	2,506	1,039	2,723	1,133	2,966	1,236
377	Central Bench	100%	675	328	704	341	750	364	814	397	885	433	964	472
378	Central Bench	100%	586	285	610	297	651	317	707	345	768	376	837	411
379	Central Bench	100%	490	229	510	239	544	255	590	278	642	303	699	330
380	Central Bench	100%	325	169	338	176	361	188	392	205	426	224	464	244

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Forecast of Population and Households within Suez's Planning Area by TAZ 2010 - 2065 - Based Upon COMPASS Communities in Motion 2040 Forecast

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	Forecasted Suez Planning Area Population and Households by TAZ											
			2040 Population	2040 Households	2045 Population	2045 Households	2050 Population	2050 Households	2055 Population	2055 Households	2060 Population	2060 Households	2065 Population	2065 Households
381	Central Bench	100%	196	79	206	83	222	89	244	98	268	108	296	119
382	Central Bench	100%	261	123	275	130	297	140	326	154	358	170	395	187
383	Central Bench	100%	176	84	185	88	200	95	219	104	241	115	266	127
384	Central Bench	100%	175	85	184	89	199	96	218	106	240	116	264	128
385	Central Bench	100%	407	183	424	191	452	204	491	222	534	242	581	264
386	Central Bench	100%	292	140	308	148	332	159	364	175	401	193	441	212
387	Central Bench	100%	303	150	319	158	344	170	378	188	416	206	458	227
388	Central Bench	100%	388	198	405	206	431	220	468	240	509	262	554	286
389	Central Bench	100%	467	231	627	301	655	315	698	337	744	360	794	386
390	Central Bench	100%	85	40	88	41	94	44	102	48	111	53	121	57
391	Central Bench	100%	917	492	955	512	1,018	547	1,105	596	1,201	650	1,309	709
392	Central Bench	100%	941	475	980	495	1,045	528	1,134	576	1,233	628	1,343	685
393	Central Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
394	Central Bench	100%	622	275	648	286	691	306	750	333	815	363	888	396
395	Central Bench	100%	804	432	837	450	893	481	969	524	1,053	571	1,147	623
396	Central Bench	100%	885	371	922	387	983	413	1,067	450	1,160	491	1,263	536
397	Central Bench	100%	647	347	674	361	718	385	780	420	847	458	923	500
398	Central Bench	100%	2,659	1,197	2,866	1,288	2,998	1,349	3,191	1,442	3,402	1,541	3,634	1,649
399	Central Bench	100%	10	4	10	4	11	5	12	5	14	5	15	6
400	Central Bench	100%	2,569	1,250	2,676	1,302	2,854	1,390	3,097	1,515	3,366	1,651	3,667	1,802
401	Central Bench	100%	1,900	938	1,979	977	2,111	1,043	2,291	1,137	2,490	1,240	2,712	1,352
402	Central Bench	100%	1,872	937	1,950	976	2,080	1,042	2,258	1,136	2,454	1,238	2,673	1,351
403	Central Bench	100%	1,105	492	1,151	512	1,227	547	1,332	596	1,448	650	1,577	709
404	Central Bench	100%	139	94	147	98	158	106	174	117	191	129	210	142
405	Central Bench	100%	880	396	917	413	978	441	1,061	480	1,153	524	1,256	571
406	Central Bench	100%	874	441	911	459	971	491	1,054	535	1,146	583	1,248	636
407	Central Bench	100%	271	118	282	123	301	132	327	144	355	157	387	171
408	Central Bench	100%	758	366	789	382	842	408	914	444	993	484	1,082	528
409	Central Bench	100%	687	290	716	302	764	322	829	351	901	383	981	418
410	Central Bench	100%	1,705	772	1,775	804	1,894	858	2,055	936	2,234	1,020	2,433	1,113
1	Downtown Boise	100%	16	8	16	8	17	9	18	9	19	10	21	10
2	Downtown Boise	100%	3	2	3	2	3	2	3	2	4	2	4	3
3	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
4	Downtown Boise	100%	78	54	80	55	84	58	89	62	95	66	102	70
5	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
6	Downtown Boise	100%	213	147	267	172	279	180	297	193	317	206	339	221
7	Downtown Boise	100%	17	12	17	12	18	13	19	14	20	15	22	16
8	Downtown Boise	100%	95	72	147	95	154	99	164	106	175	114	187	122
9	Downtown Boise	100%	88	62	90	63	94	66	101	71	107	75	115	81
10	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
11	Downtown Boise	100%	155	117	158	119	166	125	176	133	188	142	201	152
12	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
13	Downtown Boise	100%	71	53	72	54	75	56	80	60	86	65	91	69
14	Downtown Boise	100%	161	112	164	114	172	119	183	128	195	136	208	146
15	Downtown Boise	100%	117	88	119	90	125	94	133	100	141	107	151	115
16	Downtown Boise	100%	288	153	344	178	360	187	383	200	408	213	436	228

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Forecast of Population and Households within Suez's Planning Area by TAZ 2010 - 2065 - Based Upon COMPASS Communities in Motion 2040 Forecast

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	Forecasted Suez Planning Area Population and Households by TAZ											
			2040 Population	2040 Households	2045 Population	2045 Households	2050 Population	2050 Households	2055 Population	2055 Households	2060 Population	2060 Households	2065 Population	2065 Households
17	Downtown Boise	100%	169	127	223	152	233	159	248	170	265	182	283	195
18	Downtown Boise	100%	297	223	353	250	369	261	393	279	419	299	447	320
19	Downtown Boise	100%	314	107	371	131	388	137	413	146	440	156	470	167
20	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
21	Downtown Boise	100%	5	4	5	4	6	4	6	5	6	5	7	5
22	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
23	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
24	Downtown Boise	100%	70	48	121	71	126	74	135	79	143	84	153	90
25	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
26	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
27	Downtown Boise	100%	110	83	162	106	170	111	181	119	192	127	206	136
28	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
29	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
30	Downtown Boise	100%	14	9	14	9	15	10	16	10	17	11	18	12
31	Downtown Boise	100%	143	108	196	132	205	138	218	147	233	157	248	168
32	Downtown Boise	100%	9	6	9	6	10	6	10	7	11	7	12	8
33	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
34	Downtown Boise	100%	8	5	8	5	8	5	9	6	10	6	10	7
35	Downtown Boise	100%	38	29	89	51	93	54	99	57	106	61	113	66
36	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
37	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
38	Downtown Boise	100%	34	26	85	48	89	50	95	54	101	58	108	62
39	Downtown Boise	100%	88	62	140	85	147	89	156	95	166	101	178	109
40	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
41	Downtown Boise	100%	5	3	5	3	5	3	6	3	6	4	6	4
42	Downtown Boise	100%	62	42	113	64	118	67	126	72	134	77	143	82
43	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
44	Downtown Boise	100%	26	18	26	18	28	19	29	21	31	22	33	23
45	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
46	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
47	Downtown Boise	100%	59	40	110	62	115	65	122	70	130	75	139	80
48	Downtown Boise	100%	121	91	173	114	181	120	193	128	205	137	219	146
49	Downtown Boise	100%	4	3	4	3	4	3	4	3	4	3	5	4
50	Downtown Boise	100%	445	313	469	329	506	354	555	390	611	429	673	473
51	Downtown Boise	100%	153	77	161	81	174	87	191	96	210	105	231	116
52	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
53	Downtown Boise	100%	337	233	355	245	383	264	420	291	462	320	509	352
54	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
55	Downtown Boise	100%	258	174	272	183	294	198	322	217	354	239	390	264
56	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
57	Downtown Boise	100%	423	288	466	317	526	358	604	413	694	476	800	549
58	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
59	Downtown Boise	100%	604	115	666	126	751	142	862	164	991	189	1,142	219
60	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
61	Downtown Boise	100%	171	0	175	0	183	0	195	0	208	0	222	0
62	Downtown Boise	100%	78	59	80	60	83	63	89	67	95	72	101	77
63	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0

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Forecast of Population and Households within Suez's Planning Area by TAZ 2010 - 2065 - Based Upon COMPASS Communities in Motion 2040 Forecast

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	Forecasted Suez Planning Area Population and Households by TAZ											
			2040 Population	2040 Households	2045 Population	2045 Households	2050 Population	2050 Households	2055 Population	2055 Households	2060 Population	2060 Households	2065 Population	2065 Households
64	Downtown Boise	100%	202	136	256	161	268	169	285	180	304	193	324	206
65	Downtown Boise	100%	222	167	277	193	290	202	309	216	329	230	351	247
66	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
67	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
68	Downtown Boise	100%	109	77	161	100	169	105	180	112	192	120	205	128
69	Downtown Boise	100%	279	193	308	213	347	240	398	277	458	319	527	369
70	Downtown Boise	100%	352	183	359	187	376	196	400	210	426	224	455	240
71	Downtown Boise	100%	4	3	4	3	4	3	5	3	5	4	5	4
72	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
73	Downtown Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
74	Downtown Boise	100%	287	167	343	193	359	202	382	216	407	230	435	247
75	Downtown Boise	100%	96	59	148	82	155	86	165	91	176	98	188	105
697	Eagle-Floating Feather	100%	334	102	348	106	371	113	402	123	437	134	476	146
699	Eagle-Floating Feather	100%	163	45	170	47	181	50	196	54	213	59	233	65
701	Eagle-Floating Feather	100%	169	52	176	54	188	58	204	63	221	68	241	75
703	Eagle-Floating Feather	100%	334	101	348	105	371	112	402	122	437	133	476	145
704	Eagle-Floating Feather	100%	395	125	412	131	439	140	477	152	518	166	564	181
705	Eagle-Floating Feather	100%	343	115	357	119	381	127	413	139	449	151	489	165
708	Eagle-Floating Feather	100%	450	149	460	153	481	160	512	171	546	183	583	195
709	Eagle-Floating Feather	100%	437	137	482	151	543	171	624	197	678	215	738	234
738	Eagle-Island	100%	935	379	974	395	1,038	422	1,127	460	1,225	501	1,334	547
751	Eagle-Island	100%	626	239	689	263	778	297	893	343	1,026	395	1,182	456
752	Eagle-Island	100%	80	40	88	44	99	50	114	57	131	66	150	76
706	Eagle-South River	10%	23	11	24	11	25	12	28	13	30	14	33	16
744	Eagle-South River	75%	1,256	458	1,308	477	1,395	509	1,514	555	1,646	605	1,793	660
745	Eagle-South River	100%	923	299	961	311	1,025	332	1,113	362	1,209	395	1,317	431
746	Eagle-South River	60%	605	239	606	239	621	246	648	258	678	270	710	283
747	Eagle-South River	60%	23	7	54	20	87	35	124	51	166	69	212	89
748	Eagle-South River	100%	15	5	65	27	119	50	180	77	248	107	323	140
749	Eagle-South River	85%	894	353	985	389	1,111	439	1,276	506	1,466	584	1,689	674
750	Eagle-South River	50%	263	85	290	94	327	106	376	122	432	141	497	162
698	Eagle-State Corridor	100%	847	246	883	256	941	274	1,022	298	1,110	325	1,209	355
700	Eagle-State Corridor	100%	1,726	524	1,798	546	1,918	583	2,082	635	2,262	692	2,464	755
702	Eagle-State Corridor	100%	1,167	358	1,216	373	1,297	399	1,407	435	1,530	474	1,666	517
707	Eagle-State Corridor	50%	144	62	150	64	159	69	173	75	188	82	205	89
713	Eagle-State Corridor	75%	216	67	238	74	268	84	291	91	317	99	345	108
714	Eagle-State Corridor	50%	57	20	62	22	70	25	76	27	83	29	90	32
76	East End	100%	534	322	546	329	571	344	608	368	648	393	692	421
77	East End	100%	635	390	648	399	678	418	722	446	770	477	822	511
78	East End	100%	532	275	544	281	569	294	606	314	646	336	690	360
79	East End	100%	2,163	862	2,209	881	2,311	923	2,460	986	2,622	1,054	2,801	1,128
80	East End	100%	508	134	569	159	595	167	633	178	675	190	721	204

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Forecast of Population and Households within Suez's Planning Area by TAZ 2010 - 2065 - Based Upon COMPASS Communities in Motion 2040 Forecast

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	Forecasted Suez Planning Area Population and Households by TAZ											
			2040 Population	2040 Households	2045 Population	2045 Households	2050 Population	2050 Households	2055 Population	2055 Households	2060 Population	2060 Households	2065 Population	2065 Households
81	East End	100%	536	266	548	272	573	284	610	304	650	325	695	348
82	East End	100%	361	157	368	161	385	168	410	180	437	192	467	206
83	East End	100%	75	34	127	56	133	59	141	63	151	67	161	72
84	East End	100%	396	193	405	197	424	207	451	221	481	236	513	253
85	East End	100%	195	118	199	121	208	127	221	136	236	145	252	155
86	East End	100%	749	479	765	489	800	512	852	548	908	586	970	627
87	East End	100%	72	52	73	53	76	55	81	59	87	63	93	68
88	East End	100%	0	0	0	0	0	0	0	0	0	0	0	0
89	East End	100%	99	58	151	81	158	84	169	90	180	97	192	103
90	East End	100%	257	186	313	212	327	222	348	237	371	254	396	271
780	East Foothills	100%	879	325	969	358	1,092	404	1,254	466	1,442	537	1,661	620
781	East Foothills	100%	1,041	381	1,147	420	1,294	475	1,485	547	1,707	631	1,967	728
785	East Foothills	100%	229	93	253	102	285	115	327	133	376	153	434	177
631	Foothills Rural	40%	10	4	70	30	135	58	207	90	288	126	331	145
633	Foothills Rural	100%	3,639	1,393	3,644	1,395	3,737	1,432	3,900	1,501	4,076	1,574	4,269	1,651
634	Foothills Rural	100%	12	4	162	69	323	139	503	219	704	307	810	354
635	Foothills Rural	100%	702	230	703	230	721	237	753	248	787	260	824	273
637	Foothills Rural	100%	2,242	734	2,245	735	2,303	755	2,403	791	2,511	829	2,630	870
638	Foothills Rural	100%	2,120	694	2,123	695	2,177	714	2,272	748	2,375	784	2,487	822
646	Foothills Rural	15%	3	1	25	11	49	21	77	33	107	47	123	54
647	Foothills Rural	50%	76	25	153	58	237	95	332	136	437	182	497	208
648	Foothills Rural	40%	109	40	171	67	241	97	320	131	408	170	460	192
649	Foothills Rural	85%	42	14	170	69	308	129	464	198	637	274	730	315
650	Foothills Rural	100%	1,914	674	1,955	689	2,045	721	2,177	771	2,321	824	2,479	882
651	Foothills Rural	50%	210	70	289	104	379	143	484	187	599	237	670	266
652	Foothills Rural	100%	4,503	1,461	4,690	1,522	5,002	1,625	5,429	1,771	5,901	1,930	6,427	2,106
658	Garden City	100%	18	7	20	8	22	9	26	10	29	12	34	13
661	Garden City	20%	15	7	45	20	78	34	115	50	156	69	178	78
692	Garden City	60%	4	1	5	1	5	1	6	2	7	2	8	2
693	Garden City	50%	383	230	399	239	426	255	462	278	502	303	547	331
694	Garden City	100%	575	289	599	301	639	321	693	350	754	382	821	416
695	Garden City	100%	90	47	94	49	100	52	109	57	118	62	129	67
539	North End	100%	1,645	705	1,713	734	1,827	784	1,983	855	2,156	932	2,348	1,016
540	North End	100%	738	333	769	346	820	370	890	403	967	439	1,053	480
541	North End	100%	606	295	631	307	673	328	731	357	794	389	865	425
542	North End	100%	444	219	462	228	493	244	535	266	582	289	634	316
543	North End	100%	857	352	893	367	952	392	1,034	427	1,123	466	1,224	508
544	North End	100%	397	179	414	187	441	199	479	217	521	237	567	258
545	North End	100%	520	239	541	249	577	266	626	290	681	316	742	345
546	North End	100%	560	295	584	307	622	328	675	357	734	389	800	425
547	North End	100%	1,089	525	1,134	547	1,209	584	1,313	636	1,427	693	1,554	757
548	North End	100%	182	105	189	109	202	116	219	127	238	138	259	151
549	North End	100%	554	284	577	296	616	316	668	344	726	375	791	409

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Forecast of Population and Households within Suez's Planning Area by TAZ 2010 - 2065 - Based Upon COMPASS Communities in Motion 2040 Forecast

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	Forecasted Suez Planning Area Population and Households by TAZ											
			2040 Population	2040 Households	2045 Population	2045 Households	2050 Population	2050 Households	2055 Population	2055 Households	2060 Population	2060 Households	2065 Population	2065 Households
550	North End	100%	576	287	600	299	640	319	695	348	755	379	822	413
551	North End	100%	356	173	370	180	395	193	429	210	466	229	508	250
552	North End	100%	343	161	357	168	381	179	413	196	449	213	489	233
553	North End	100%	506	265	527	276	562	295	610	321	663	350	722	382
554	North End	100%	356	185	370	193	395	206	429	225	466	245	508	267
555	North End	100%	155	86	161	89	172	95	187	104	203	113	221	123
556	North End	100%	267	134	278	140	297	150	322	163	350	178	381	194
557	North End	100%	212	121	220	127	235	135	255	147	277	161	302	175
558	North End	100%	734	406	765	423	815	452	885	493	962	537	1,048	586
559	North End	100%	152	71	158	74	169	79	183	86	199	93	217	102
560	North End	100%	793	467	826	486	881	519	956	566	1,039	617	1,131	673
561	North End	100%	843	536	878	558	937	596	1,017	649	1,105	708	1,204	772
562	North End	100%	372	200	387	208	413	223	448	243	487	264	530	289
563	North End	100%	358	183	372	191	397	204	431	222	469	242	510	264
564	North End	100%	681	320	710	333	757	356	822	388	893	422	973	461
565	North End	100%	686	331	715	344	762	368	828	401	899	437	980	477
566	North End	100%	234	103	244	107	260	114	283	124	307	136	335	148
567	North End	100%	332	177	346	185	369	197	400	215	435	234	474	256
568	North End	100%	411	226	428	235	457	251	496	274	539	299	587	326
569	North End	100%	715	374	745	390	794	416	862	454	937	495	1,021	540
570	North End	100%	655	352	682	366	727	391	789	426	858	464	934	507
571	North End	100%	832	389	867	406	925	433	1,004	472	1,091	514	1,188	561
572	North End	100%	98	55	108	60	122	68	140	79	161	91	186	105
573	North End	100%	741	466	772	485	823	518	893	565	971	616	1,058	672
574	North End	100%	599	305	624	317	665	339	722	369	785	403	855	439
575	North End	100%	665	336	692	350	738	373	801	407	871	443	949	484
576	North End	100%	1,098	528	1,143	550	1,219	587	1,323	640	1,438	697	1,567	761
837	North Meridian	50%	140	45	168	54	207	67	259	84	325	106	409	134
838	North Meridian	100%	2,363	725	2,603	799	2,937	902	3,371	1,040	3,876	1,199	4,465	1,384
842	North Meridian	50%	677	211	706	219	753	234	817	255	888	278	967	304
845	North Meridian	50%	702	227	731	236	780	253	846	275	920	300	1,002	327
846	North Meridian	20%	51	16	62	21	75	26	91	33	108	40	127	48
903	North Meridian	100%	1,382	479	1,384	480	1,420	493	1,482	516	1,548	541	1,622	568
904	North Meridian	100%	1,231	466	1,233	467	1,264	479	1,319	502	1,379	526	1,444	552
91	Southeast Boise	100%	269	181	325	207	340	217	362	232	386	248	412	265
92	Southeast Boise	100%	191	122	245	147	256	154	272	164	290	176	310	188
93	Southeast Boise	100%	676	314	691	320	723	336	769	359	820	384	876	410
94	Southeast Boise	100%	396	218	405	223	424	233	451	249	481	267	513	285
95	Southeast Boise	100%	426	285	435	291	455	305	485	326	517	348	552	373
96	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
97	Southeast Boise	100%	703	529	718	540	751	566	800	605	853	646	911	692
98	Southeast Boise	100%	285	134	291	137	305	144	324	154	346	164	369	176
99	Southeast Boise	100%	431	324	440	331	461	346	490	370	523	396	558	423
100	Southeast Boise	100%	489	359	499	367	522	385	556	411	593	440	633	470
101	Southeast Boise	100%	399	224	408	229	427	240	454	256	484	274	517	293

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Forecast of Population and Households within Suez's Planning Area by TAZ 2010 - 2065 - Based Upon COMPASS Communities in Motion 2040 Forecast

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	Forecasted Suez Planning Area Population and Households by TAZ											
			2040 Population	2040 Households	2045 Population	2045 Households	2050 Population	2050 Households	2055 Population	2055 Households	2060 Population	2060 Households	2065 Population	2065 Households
102	Southeast Boise	100%	427	304	436	310	456	325	486	347	518	371	553	397
103	Southeast Boise	100%	1,013	0	1,034	0	1,082	0	1,152	0	1,228	0	1,312	0
104	Southeast Boise	100%	804	498	871	530	911	555	970	594	1,034	635	1,104	679
105	Southeast Boise	100%	555	299	617	327	645	342	687	366	732	391	782	419
106	Southeast Boise	100%	384	184	542	253	567	265	604	284	644	303	688	324
107	Southeast Boise	100%	82	55	84	56	88	59	94	63	100	67	107	72
108	Southeast Boise	100%	780	479	797	489	833	512	887	548	945	586	1,010	627
109	Southeast Boise	100%	279	157	285	161	298	168	318	180	338	192	362	206
110	Southeast Boise	100%	2,270	1,135	2,468	1,225	2,582	1,283	2,748	1,371	2,930	1,466	3,130	1,569
111	Southeast Boise	100%	2,493	1,256	2,697	1,348	2,821	1,411	3,003	1,509	3,201	1,613	3,419	1,726
112	Southeast Boise	100%	1,895	937	2,086	1,022	2,182	1,071	2,322	1,145	2,476	1,224	2,645	1,309
113	Southeast Boise	100%	1,727	766	1,765	782	1,846	819	1,965	876	2,095	936	2,238	1,002
114	Southeast Boise	100%	779	373	796	381	832	399	886	427	944	457	1,009	489
115	Southeast Boise	100%	869	422	1,038	496	1,085	520	1,155	556	1,231	594	1,315	636
116	Southeast Boise	100%	1,679	854	1,865	938	1,950	982	2,076	1,050	2,213	1,122	2,364	1,201
117	Southeast Boise	100%	724	411	889	485	930	508	990	543	1,056	581	1,128	621
118	Southeast Boise	100%	495	263	655	334	685	349	729	373	777	399	830	427
119	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
120	Southeast Boise	100%	1,191	579	1,217	591	1,273	619	1,355	662	1,444	707	1,543	757
121	Southeast Boise	100%	525	278	537	284	561	297	598	318	637	340	681	363
124	Southeast Boise	100%	662	257	676	262	707	275	753	294	802	314	857	336
125	Southeast Boise	100%	629	274	642	280	672	293	715	313	762	335	814	358
127	Southeast Boise	100%	305	100	361	123	378	129	402	138	429	148	458	158
133	Southeast Boise	100%	527	192	539	196	564	206	600	220	640	235	683	251
134	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
135	Southeast Boise	100%	536	235	548	240	573	251	610	269	650	287	695	307
136	Southeast Boise	100%	542	238	554	243	580	255	617	272	658	291	703	311
137	Southeast Boise	100%	565	259	577	264	604	277	643	296	685	317	732	339
138	Southeast Boise	100%	826	338	844	345	883	361	940	386	1,002	413	1,071	442
139	Southeast Boise	100%	348	179	355	183	371	192	395	205	422	219	450	235
140	Southeast Boise	100%	950	432	970	441	1,015	462	1,080	494	1,151	528	1,230	565
141	Southeast Boise	100%	606	264	619	270	647	282	689	302	735	323	785	345
142	Southeast Boise	100%	566	228	578	233	605	244	644	261	687	279	733	298
143	Southeast Boise	100%	165	71	168	72	176	76	188	81	200	86	214	93
144	Southeast Boise	100%	416	184	425	188	445	197	473	211	505	225	539	241
145	Southeast Boise	100%	907	395	926	404	969	423	1,032	452	1,100	483	1,175	517
146	Southeast Boise	100%	782	300	799	306	835	321	889	343	948	366	1,013	392
147	Southeast Boise	100%	713	241	729	246	762	258	811	276	865	295	924	315
148	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
149	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
150	Southeast Boise	100%	515	245	526	250	550	262	585	280	624	300	667	320
151	Southeast Boise	100%	2,481	955	2,535	976	2,651	1,022	2,822	1,092	3,009	1,168	3,214	1,249
152	Southeast Boise	100%	1,285	408	1,313	417	1,373	437	1,462	467	1,559	499	1,665	534
153	Southeast Boise	100%	270	83	276	84	289	88	307	95	328	101	350	108
154	Southeast Boise	100%	75	31	77	32	81	33	86	35	92	38	98	40
155	Southeast Boise	100%	277	150	283	154	296	161	315	172	336	184	359	197
156	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0

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Forecast of Population and Households within Suez's Planning Area by TAZ 2010 - 2065 - Based Upon COMPASS Communities in Motion 2040 Forecast

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	Forecasted Suez Planning Area Population and Households by TAZ											
			2040 Population	2040 Households	2045 Population	2045 Households	2050 Population	2050 Households	2055 Population	2055 Households	2060 Population	2060 Households	2065 Population	2065 Households
157	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
158	Southeast Boise	100%	1,440	510	1,471	521	1,539	545	1,638	583	1,746	623	1,866	667
159	Southeast Boise	100%	965	319	985	326	1,031	341	1,097	364	1,170	390	1,249	417
160	Southeast Boise	100%	683	224	698	229	730	240	777	256	829	274	885	293
161	Southeast Boise	100%	75	21	299	130	322	140	343	149	366	160	390	171
162	Southeast Boise	100%	5	4	5	4	6	4	6	5	6	5	7	5
163	Southeast Boise	100%	491	269	501	275	524	288	558	308	595	329	636	352
164	Southeast Boise	100%	774	340	791	347	827	363	880	388	938	415	1,002	444
165	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
166	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
167	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
168	Southeast Boise	100%	338	254	395	281	413	294	440	315	469	336	501	360
178	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
179	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
200	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
201	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
202	Southeast Boise	100%	13	5	13	5	14	5	15	6	16	6	17	7
203	Southeast Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
126	Southeast-Barber Valley	100%	1,508	494	1,540	505	1,611	528	1,715	565	1,828	604	1,953	646
128	Southeast-Barber Valley	100%	1,363	685	1,392	700	1,456	733	1,550	784	1,652	838	1,765	896
129	Southeast-Barber Valley	50%	1,019	398	1,041	407	1,089	426	1,159	456	1,236	487	1,320	521
130	Southeast-Barber Valley	20%	4	3	4	3	4	3	4	3	5	3	5	3
132	Southeast-Barber Valley	100%	606	240	619	245	647	257	689	274	735	293	785	314
204	Southwest Boise	100%	49	17	100	39	104	41	111	44	118	47	126	50
205	Southwest Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
206	Southwest Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
207	Southwest Boise	100%	568	209	580	214	607	224	646	239	689	256	736	274
208	Southwest Boise	100%	735	271	751	277	785	290	836	310	891	331	952	354
209	Southwest Boise	100%	207	78	261	101	273	106	291	113	310	121	331	129
210	Southwest Boise	100%	458	280	468	286	489	299	521	320	555	342	593	366
211	Southwest Boise	100%	165	60	168	61	176	64	188	68	200	73	214	78
212	Southwest Boise	100%	152	45	155	46	162	48	173	51	184	55	197	59
213	Southwest Boise	100%	188	84	192	85	201	89	214	96	228	102	243	109
214	Southwest Boise	100%	0	0	0	0	0	0	0	0	0	0	0	0
218	Southwest Boise	100%	1,388	523	1,418	534	1,483	559	1,578	598	1,683	639	1,797	684
219	Southwest Boise	100%	1,020	382	1,042	391	1,090	409	1,160	437	1,237	468	1,321	500
220	Southwest Boise	100%	1,985	698	2,028	713	2,121	747	2,258	798	2,406	853	2,571	913
221	Southwest Boise	100%	687	265	702	271	734	283	782	303	833	324	890	347
222	Southwest Boise	100%	876	283	895	289	936	303	997	323	1,062	346	1,135	370
223	Southwest Boise	100%	800	292	817	298	854	312	910	334	970	357	1,036	382
224	Southwest Boise	100%	1,159	384	1,184	393	1,239	411	1,319	440	1,406	470	1,502	503
225	Southwest Boise	100%	682	231	697	236	729	247	776	264	827	282	884	302
226	Southwest Boise	100%	80	40	81	41	85	43	91	46	97	49	103	52
227	Southwest Boise	100%	633	196	646	200	676	210	720	224	767	240	820	257
228	Southwest Boise	100%	422	149	431	153	451	160	480	171	512	183	547	195

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TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	Forecasted Suez Planning Area Population and Households by TAZ											
			2040 Population	2040 Households	2045 Population	2045 Households	2050 Population	2050 Households	2055 Population	2055 Households	2060 Population	2060 Households	2065 Population	2065 Households
229	Southwest Boise	100%	559	198	571	202	598	212	636	227	678	242	724	259
230	Southwest Boise	100%	183	70	187	71	195	75	208	80	222	85	237	91
231	Southwest Boise	100%	653	235	667	240	697	251	742	269	791	287	845	307
232	Southwest Boise	100%	422	156	431	160	451	167	480	179	512	191	547	205
233	Southwest Boise	100%	807	301	824	307	862	322	917	344	978	368	1,045	393
234	Southwest Boise	100%	602	218	615	223	643	233	685	249	730	267	780	285
235	Southwest Boise	100%	718	244	734	249	767	261	817	279	871	298	930	319
236	Southwest Boise	100%	143	50	151	52	163	56	179	62	196	68	216	75
237	Southwest Boise	100%	1,579	545	1,613	556	1,688	583	1,797	623	1,915	666	2,046	713
238	Southwest Boise	100%	228	71	241	74	260	80	285	88	313	97	345	107
239	Southwest Boise	100%	264	105	278	110	300	119	330	130	363	144	399	158
240	Southwest Boise	100%	391	128	412	135	444	146	488	160	536	176	591	194
241	Southwest Boise	100%	1,494	583	1,526	595	1,596	623	1,699	666	1,811	712	1,935	762
242	Southwest Boise	100%	1,113	438	1,137	448	1,189	469	1,265	501	1,349	536	1,441	573
243	Southwest Boise	100%	517	173	544	182	587	196	645	216	709	238	781	262
244	Southwest Boise	100%	161	73	170	76	183	82	201	91	221	100	243	110
246	Southwest Boise	100%	265	99	321	122	387	150	465	184	551	221	647	262
248	Southwest Boise	100%	1,111	494	1,135	505	1,187	528	1,263	565	1,347	604	1,439	646
251	Southwest Boise	100%	758	288	824	316	862	331	918	353	978	378	1,045	404
252	Southwest Boise	100%	770	319	836	347	875	364	931	389	993	416	1,060	445
253	Southwest Boise	100%	619	223	682	250	713	261	759	279	810	299	865	320
254	Southwest Boise	100%	888	325	957	353	1,001	370	1,066	396	1,136	423	1,214	452
255	Southwest Boise	100%	1,641	672	1,676	687	1,753	719	1,867	769	1,990	822	2,126	879
256	Southwest Boise	100%	386	139	395	142	413	149	440	159	469	170	501	182
257	Southwest Boise	100%	920	322	940	329	983	344	1,046	368	1,115	393	1,191	421
258	Southwest Boise	100%	779	274	796	280	832	293	886	313	944	335	1,009	358
259	Southwest Boise	100%	3,823	1,878	3,956	1,940	4,138	2,032	4,404	2,172	4,695	2,322	5,016	2,485
260	Southwest Boise	100%	772	296	813	311	877	335	963	369	1,059	406	1,167	447
261	Southwest Boise	100%	513	195	540	205	583	221	640	244	703	268	775	295
262	Southwest Boise	100%	5,892	2,361	6,019	2,412	6,295	2,526	6,701	2,700	7,144	2,887	7,631	3,089
263	Southwest Boise	100%	2,322	831	2,373	849	2,482	890	2,642	951	2,816	1,017	3,008	1,088
264	Southwest Boise	30%	193	63	222	72	262	85	288	94	317	103	349	114
265	Southwest Boise	100%	451	158	475	166	513	179	563	198	619	217	682	239
267	Southwest Boise	50%	830	293	848	300	887	314	945	335	1,007	359	1,076	384
268	Southwest Boise	100%	490	185	516	195	557	210	611	231	672	254	740	280
269	Southwest Boise	100%	181	65	190	68	205	73	226	81	248	89	273	98
272	Southwest Boise	100%	118	53	171	76	230	101	298	132	373	165	457	203
273	Southwest Boise	100%	487	145	513	153	553	165	607	181	668	200	736	220
276	Southwest Boise	100%	1,502	523	1,582	550	1,707	593	1,874	652	2,061	718	2,270	791
277	Southwest Boise	100%	1,530	527	1,612	554	1,739	597	1,909	657	2,099	723	2,312	797
279	Southwest Boise	100%	577	204	639	230	720	263	820	305	930	350	1,051	401
281	Southwest Boise	100%	478	195	574	235	707	289	885	363	1,110	457	1,395	576
282	Southwest Boise	100%	1,560	554	1,643	582	1,773	628	1,946	691	2,140	760	2,357	837
286	Southwest Boise	100%	16	12	166	77	327	148	401	181	483	218	575	259
289	Southwest Boise	100%	150	75	303	141	470	215	554	253	647	295	749	341
293	Southwest Boise	100%	1,983	693	2,184	764	2,464	862	2,829	994	3,252	1,146	3,746	1,323
294	Southwest Boise	100%	1,509	502	1,590	528	1,715	569	1,883	626	2,070	689	2,281	759

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TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	Forecasted Suez Planning Area Population and Households by TAZ											
			2040 Population	2040 Households	2045 Population	2045 Households	2050 Population	2050 Households	2055 Population	2055 Households	2060 Population	2060 Households	2065 Population	2065 Households
295	Southwest Boise	100%	256	118	312	143	377	172	455	207	541	246	636	289
297	Southwest Boise	100%	323	128	380	153	448	182	531	218	622	258	722	302
324	Southwest Boise	100%	25	11	25	11	26	11	27	12	28	12	29	13
325	Southwest Boise	100%	12	6	13	6	14	7	15	7	16	8	18	9
283	Ten Mile Creek Rural	85%	0	0	42	18	88	38	139	61	195	86	258	113
284	Ten Mile Creek Rural	100%	119	63	144	75	177	93	221	117	278	147	349	185
285	Ten Mile Creek Rural	100%	149	56	302	122	469	195	553	231	645	272	748	316
287	Ten Mile Creek Rural	100%	149	65	302	131	469	204	553	242	645	283	748	328
288	Ten Mile Creek Rural	100%	0	0	150	65	310	135	383	168	464	204	554	243
290	Ten Mile Creek Rural	100%	0	0	50	22	103	45	163	71	230	101	304	133
291	Ten Mile Creek Rural	100%	44	25	48	27	54	31	62	36	72	41	83	48
292	Ten Mile Creek Rural	100%	0	0	0	0	0	0	0	0	0	0	0	0
303	Ten Mile Creek Rural	100%	129	60	282	126	448	199	530	236	621	277	722	322
305	Ten Mile Creek Rural	100%	89	34	94	36	102	38	112	42	123	46	135	51
312	Ten Mile Creek Rural	100%	21	7	22	7	24	8	26	9	29	10	32	11
315	Ten Mile Creek Rural	15%	0	0	0	0	0	0	0	0	0	0	0	0
411	West Bench	100%	1,443	557	1,503	580	1,603	619	1,740	675	1,891	736	2,060	803
412	West Bench	100%	1,715	611	1,786	637	1,905	680	2,067	741	2,247	808	2,447	881
413	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
414	West Bench	100%	1,364	678	1,421	706	1,515	754	1,644	822	1,787	896	1,947	978
415	West Bench	100%	661	247	696	260	751	280	824	308	906	339	999	373
416	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
417	West Bench	100%	1,405	497	1,463	518	1,560	553	1,694	602	1,841	657	2,005	716
418	West Bench	100%	1,328	616	1,384	642	1,476	686	1,602	747	1,741	815	1,896	889
419	West Bench	100%	1,000	299	1,041	311	1,110	332	1,205	362	1,310	395	1,427	431
420	West Bench	100%	1,897	761	1,976	792	2,108	846	2,288	922	2,486	1,005	2,708	1,097
421	West Bench	100%	1,243	396	1,294	413	1,380	441	1,498	480	1,628	524	1,774	571
422	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
423	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
424	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
425	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
426	West Bench	100%	1,197	440	1,247	458	1,330	490	1,443	534	1,569	582	1,709	635
427	West Bench	100%	1,341	436	1,397	454	1,490	485	1,617	529	1,757	576	1,914	629
428	West Bench	100%	849	275	885	286	943	306	1,024	333	1,113	363	1,212	396
429	West Bench	50%	221	97	232	102	251	110	275	121	303	133	333	146
430	West Bench	100%	454	158	478	166	516	179	567	198	623	217	686	239
431	West Bench	100%	1,313	546	1,368	568	1,459	607	1,583	662	1,721	721	1,874	787
432	West Bench	100%	896	296	944	311	1,018	335	1,118	369	1,229	406	1,354	447
433	West Bench	100%	1,438	549	1,498	571	1,598	610	1,734	665	1,885	725	2,053	791
434	West Bench	100%	1,156	460	1,204	479	1,284	512	1,394	558	1,515	608	1,650	663
435	West Bench	80%	1,714	637	1,785	664	1,904	709	2,067	773	2,246	842	2,447	919
437	West Bench	60%	158	60	166	63	180	68	197	75	217	82	239	90
438	West Bench	100%	410	173	432	182	466	196	512	216	563	238	620	262
439	West Bench	100%	2,137	802	2,226	835	2,374	892	2,576	972	2,800	1,059	3,050	1,156
443	West Bench	100%	1,135	459	1,183	478	1,261	511	1,369	557	1,488	607	1,621	662

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			2040 Population	2040 Households	2045 Population	2045 Households	2050 Population	2050 Households	2055 Population	2055 Households	2060 Population	2060 Households	2065 Population	2065 Households
444	West Bench	100%	1,768	660	1,842	688	1,964	734	2,132	800	2,317	872	2,524	952
445	West Bench	100%	1,374	563	1,431	586	1,526	626	1,656	682	1,800	743	1,961	811
446	West Bench	50%	498	160	519	166	553	178	601	194	653	211	711	230
451	West Bench	100%	599	186	624	194	665	207	722	226	785	246	855	268
452	West Bench	50%	173	59	180	61	192	65	208	71	226	78	247	85
453	West Bench	100%	81	29	85	30	92	33	101	36	111	40	122	44
454	West Bench	100%	62	19	65	20	70	21	77	24	84	26	93	29
456	West Bench	100%	397	134	419	141	452	152	496	168	545	185	601	203
457	West Bench	100%	69	26	120	48	177	73	188	78	200	83	214	89
458	West Bench	100%	8	3	8	3	9	3	10	4	10	4	11	4
463	West Bench	100%	2,879	1,342	2,998	1,398	3,198	1,493	3,471	1,627	3,772	1,774	4,109	1,935
464	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
465	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
466	West Bench	100%	1,270	471	1,322	491	1,410	524	1,531	571	1,664	622	1,812	679
467	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
468	West Bench	100%	1,694	694	1,764	723	1,881	772	2,042	841	2,219	917	2,417	1,001
469	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
470	West Bench	100%	218	91	229	95	247	103	271	113	298	124	329	137
471	West Bench	100%	994	405	1,036	422	1,105	451	1,199	491	1,303	536	1,419	584
472	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
473	West Bench	100%	647	289	674	301	718	321	780	350	847	382	923	416
474	West Bench	100%	95	38	105	42	119	47	136	54	156	63	180	72
475	West Bench	100%	857	461	893	480	952	513	1,034	559	1,123	609	1,224	665
476	West Bench	100%	834	401	869	418	927	446	1,006	487	1,093	530	1,191	579
477	West Bench	25%	110	59	114	62	122	66	132	72	144	79	157	86
478	West Bench	100%	1,593	791	1,660	823	1,770	879	1,921	959	2,088	1,045	2,274	1,140
479	West Bench	100%	591	299	616	311	657	332	713	362	775	395	844	431
480	West Bench	100%	1,845	1,051	1,921	1,094	2,049	1,168	2,224	1,274	2,417	1,388	2,633	1,515
481	West Bench	100%	542	249	571	262	616	282	677	311	744	342	820	377
482	West Bench	100%	1,799	840	1,874	875	1,998	935	2,169	1,019	2,357	1,111	2,568	1,212
483	West Bench	100%	166	61	175	64	189	69	207	76	228	83	251	92
484	West Bench	100%	1,262	673	1,314	701	1,401	749	1,521	816	1,653	890	1,801	971
485	West Bench	100%	149	75	164	82	185	93	213	107	244	124	282	143
486	West Bench	100%	1,280	642	1,334	669	1,422	714	1,544	779	1,678	849	1,828	926
487	West Bench	100%	250	156	264	164	285	177	312	195	343	215	378	236
488	West Bench	100%	785	324	827	340	892	367	979	404	1,077	444	1,186	489
489	West Bench	100%	1,215	604	1,265	630	1,350	672	1,465	733	1,592	799	1,734	871
490	West Bench	100%	102	0	112	0	126	0	145	0	167	0	192	0
491	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
492	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
493	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
494	West Bench	100%	601	304	626	316	668	338	725	368	788	401	858	438
495	West Bench	100%	1,422	639	1,482	666	1,580	711	1,715	775	1,864	845	2,030	922
496	West Bench	100%	3,365	1,472	3,504	1,533	3,737	1,637	4,057	1,784	4,409	1,945	4,802	2,122
497	West Bench	100%	1,392	538	1,450	560	1,546	598	1,678	652	1,824	711	1,986	775
498	West Bench	100%	260	92	274	96	296	104	325	114	357	126	393	139
499	West Bench	100%	571	235	602	247	649	266	713	293	784	323	863	355

Appendix A - Table A6

Forecast of Population and Households within Suez's Planning Area by TAZ 2010 - 2065 - Based Upon COMPASS Communities in Motion 2040 Forecast

TAZ	COMPASS Defined Demographic Area	Percent of TAZ within Suez's Planning Area	Forecasted Suez Planning Area Population and Households by TAZ											
			2040 Population	2040 Households	2045 Population	2045 Households	2050 Population	2050 Households	2055 Population	2055 Households	2060 Population	2060 Households	2065 Population	2065 Households
500	West Bench	100%	253	95	267	99	288	107	316	118	348	130	383	143
502	West Bench	100%	837	251	882	264	952	284	1,045	313	1,149	345	1,266	380
504	West Bench	50%	146	51	154	54	166	58	182	64	200	70	221	78
506	West Bench	75%	694	326	722	339	770	362	836	395	909	430	990	469
507	West Bench	100%	110	55	121	60	136	68	156	79	180	91	207	105
508	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
509	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
510	West Bench	100%	1,216	439	1,266	457	1,351	488	1,466	532	1,593	580	1,735	633
511	West Bench	100%	1,593	701	1,660	730	1,770	780	1,921	850	2,088	926	2,274	1,011
513	West Bench	100%	1,770	755	1,844	786	1,966	839	2,134	915	2,320	997	2,527	1,088
514	West Bench	100%	1,430	651	1,490	678	1,589	724	1,725	790	1,874	861	2,042	939
515	West Bench	100%	883	407	920	424	981	453	1,065	494	1,157	538	1,260	587
516	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
517	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
518	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
519	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
520	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
521	West Bench	100%	1,288	588	1,342	613	1,431	655	1,553	713	1,688	778	1,839	848
522	West Bench	100%	82	56	91	61	102	69	118	80	135	92	156	106
523	West Bench	20%	185	84	193	88	206	94	223	102	243	111	265	121
524	West Bench	100%	1,677	1,013	1,747	1,055	1,863	1,126	2,022	1,228	2,197	1,338	2,393	1,460
525	West Bench	100%	1,587	769	1,653	801	1,763	855	1,914	932	2,080	1,016	2,266	1,108
526	West Bench	100%	876	396	913	413	973	441	1,056	480	1,148	524	1,251	571
527	West Bench	100%	296	199	308	207	329	221	357	241	388	263	423	287
528	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
529	West Bench	100%	1,095	540	1,140	562	1,216	600	1,320	654	1,434	713	1,562	778
530	West Bench	100%	302	114	315	118	335	126	364	138	396	150	431	164
531	West Bench	100%	1,495	748	1,557	779	1,661	832	1,802	907	1,959	988	2,134	1,078
532	West Bench	100%	73	26	80	29	90	32	103	37	119	43	137	49
533	West Bench	100%	0	0	0	0	0	0	0	0	0	0	0	0
534	West Bench	100%	75	37	83	41	94	46	108	53	124	61	143	70
536	West Bench	100%	57	16	62	18	70	20	81	23	93	26	107	30
655	West Bench	100%	255	105	410	172	583	247	780	334	999	430	1,126	486
656	West Bench	100%	68	38	68	38	69	39	72	41	76	43	79	45
	Suez's Planning Area		345,259	150,043	364,083	158,215	389,126	169,290	422,387	184,526	459,154	201,134	499,708	219,236
	5-Year Absolute Change		27,735	15,749	18,824	8,173	25,043	11,075	33,261	15,236	36,767	16,607	40,554	18,102
	Ada County		663,958	255,676	719,507	278,160	780,858	302,621	847,449	329,396	919,699	359,244	998,120	391,798
	5-Year Absolute Change		69,131	35,071	43,723	4,727	61,351	24,461	66,591	26,775	72,250	29,848	78,421	32,554
	Suez's Planning Area as a Percent of Ada County		52.0%	58.7%	50.6%	56.9%	49.8%	55.9%	49.8%	56.0%	49.9%	56.0%	50.1%	56.0%

Suez Water Idaho Inc.

Appendix A
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Table A7
Comparison of Residential Water Use per Customer with a Second Source for NPI Water Used for Household Irrigation

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Analysis and Comparison of Residential Water Use per Customer with a Second Source for NPI Water Used for Household Irrigation

Book Area	Area with 2nd Source for NPI Water	Number of Customers	Total Water Use	Average Water Use/Customer
160	Yes	102	7,964	78.1
162	Yes	141	16,319	115.7
171	No	232	65,425	282.0
173	No	198	60,015	303.1
793	Yes	431	35,008	81.2
840	No	217	53,784	247.9

(1) Average Annual Water Use per Residential Customer for Customers with Access to a Secondary Source of NPI Water for Residential Irrigation 88.0

From Annual Billings for the residentail customers within United Water Idaho's "Book Areas" (Meter Reading Routes) # 160, 162, & 793 which consist primarily of new residential subdivisions with NPI water systems in addition to United Water Idaho's distribution system for potable water.

(2) Average Annual Water Use per Residential Customer for Customers without Access to NPI Water Sources for Residential Irrigation 277.0

From Annual Billings for the residentail customers within United Water Idaho's "Book Areas" (Meter Reading Routes) # 171, 173, & 840 which were determined to be established residential subdivisions that had been developed without access to NPI water sources for residential irrigation.

(3) Absolute Difference in Average Annual Water Use per Customer ..... (189.0)
(2) above minus (1)

(4) Residential Customer Water Use (with a 2nd Source for NPI Water) as a Percent of Residential Customer Water Use for Customers without access to NPI Water Sources 31.76%

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Suez Water Idaho Inc.

Appendix A
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Tables A8(a) through A8(d)

Detailed Regression Analysis Information for Statistical Regressions Utilized to Forecast Suez's Water Demand and Customer Growth for the Residential and Commercial Customer Classes

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Residential Customer Regression

Table A8(a)
Page 1 of 2

Variables Entered/Removed

Model	Variables Entered	Variables Removed	Method
1	BIN2, NHT, TREND(a)		Enter

Model Summary

Model	R	R Square(a)	Adjusted R Square	Std. Error of the Est.
1	1.000	1.000	1.000	732

ANOVA

Model		Sum of Squares	df	Mean Square	F	Sig
1	Regression	561,907,160,175	3	187,302,386,725	349,162.694	0.000
	Residual	129,816,783	242	536.433		
	Total	562,036,976,958	245			

Coefficients(a,b)

Model		Unstandardized Coef		Standardized Coef	t	Sig
		B	Std. Error	Beta		
1	TREND	-53.080	2.260	(0)	-23.484	0.000
	NHT	0.617	0.005	1	118.185	0.000
	BIN2	4,261.004	149.158	0	28.567	0.000

Casewise Diagnostics

Case Number	Std. Residual	RESIC	Predicted Value	Residual
1	-1.011	34,936	35.676	(741)
2	-1.107	34,992	35.803	(811)
3	-1.184	35,062	35.930	(867)
4	-1.159	35,207	36.056	(849)
5	-1.183	35,317	36.183	(867)
6	-1.211	35,423	36.310	(887)
7	-1.234	35,533	36.437	(903)
8	-1.179	35,613	36.476	(863)
9	-1.068	35,733	36.518	(782)
10	-1.067	35,774	36.555	(781)
11	-1.032	35,839	36.595	(756)
13	-1.354	35,682	36.673	(992)
14	-1.329	35,739	36.713	(974)
15	-1.285	35,811	36.752	(941)
16	-1.136	35,959	36.792	(832)
17	-1.038	36,071	36.831	(760)
25	-1.030	36,078	36.832	(754)
42	1.056	37,577	36.803	773
43	1.210	37,694	36.808	886
44	1.288	37,778	36.835	943
45	1.425	37,906	36.862	1,044
46	1.447	37,949	36.889	1,060
47	1.504	38,018	36.916	1,102
48	1.569	38,107	36.943	1,164
49	1.486	38,059	36.970	1,089
50	1.533	38,120	36.997	1,123
51	1.601	38,197	37.024	1,173
52	1.780	38,355	37.051	1,304
53	1.906	38,474	37.079	1,396
54	2.027	38,590	37.106	1,484
55	2.154	38,710	37.133	1,577
56	2.177	38,797	37.202	1,594
57	2.261	38,928	37.272	1,656
58	2.226	38,972	37.342	1,630

59	2.227	39,043	37,412	1,631
60	2.257	39,135	37,481	1,653
75	1.028	38,956	38,203	753
76	1.208	39,117	38,232	885
77	1.334	39,238	38,261	977
78	1.456	39,356	38,290	1,066
79	1.583	39,479	38,319	1,160
80	1.517	39,568	38,456	1,111
81	1.513	39,701	38,593	1,108
82	1.387	39,746	38,730	1,016
83	1.298	39,818	38,868	951
84	1.239	39,912	39,005	907
85	1.264	40,068	39,142	926
86	1.165	40,132	39,279	853
87	1.088	40,213	39,416	797
88	1.128	40,379	39,553	826
89	1.112	40,505	39,690	815
90	1.092	40,627	39,827	800
105	1.161	42,939	42,088	851
144	-1.010	47,078	47,818	(740)
146	-1.078	47,264	48,054	(790)
147	-1.220	47,278	48,172	(894)
148	-1.297	47,340	48,290	(950)
149	-1.248	47,494	48,408	(914)
150	-1.200	47,647	48,526	(879)
151	-1.085	47,849	48,644	(795)
152	-1.198	47,888	48,764	(876)
153	-1.158	48,036	48,884	(848)
154	-1.437	47,952	49,004	(1,052)
155	-1.612	47,944	49,124	(1,180)
156	-1.078	48,455	49,245	(790)
157	-1.129	48,538	49,365	(827)
158	-1.192	48,612	49,485	(873)
159	-1.541	48,476	49,605	(1,129)
171	-1.132	50,287	51,116	(829)
172	-1.193	50,371	51,245	(874)
173	-1.103	50,566	51,374	(808)
174	-1.388	50,486	51,502	(1,016)
175	-1.210	50,745	51,631	(886)
176	-1.461	50,700	51,770	(1,070)
177	-1.358	50,914	51,909	(995)
178	-1.490	50,956	52,047	(1,091)
180	-1.567	51,177	52,324	(1,147)
181	-2.064	55,212	56,724	(1,512)
182	-2.228	55,231	56,863	(1,632)
183	-2.044	55,504	57,001	(1,497)
184	-1.948	55,713	57,140	(1,427)
185	-2.049	55,778	57,278	(1,500)
186	-1.890	56,033	57,417	(1,384)
187	-1.933	56,140	57,556	(1,416)
188	-1.878	56,306	57,681	(1,375)
189	-1.935	56,390	57,807	(1,417)
190	-1.947	56,507	57,933	(1,426)
191	-1.982	56,607	58,059	(1,452)
235	1.172	64,265	63,407	858
236	1.147	64,420	63,580	840
237	1.034	64,511	63,754	757

Residuals Statistics(a,b)

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	35,676.13	65,140.89	46,918.70	9,618	245
Residual	(1,631.55)	1,655.82	24.60	729	245
Std. Predicted Value	(1.17)	1.89	(0.00)	1	245
Std. Residual	(2.23)	2.26	0.03	1	245

Residential Use Per Customer Regression

Table A8(b)
Page 1 of 2

Variables Entered/Removed

Model	Variables Entered	Variables Removed	Method
1	BIN1, PRICE$03, BOCT, BJUL, BAUG, BSEP, BNOV, WPRECIP, TREND, WGDD		Enter

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	0.986	0.973	0.972	1.40907

ANOVA

Model		Sum of Squares	df	Mean Square	F	Sig
1	Regression	16,817.173	10	1,681.717	847.011	0.000
	Residual	464.601	234	1.985		
	Total	17,281.773	244			

Coefficients

Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig
1	(Constant)	11.833	0.722		16.395	0.000
	PRICE$03	-4.373	0.924	-0.076	-4.734	0.000
	WPRECIP	-0.307	0.100	-0.042	-3.068	0.002
	WGDD	0.012	0.001	0.735	22.366	0.000
	BAUG	4.646	0.723	0.151	6.430	0.000
	BSEP	6.332	0.698	0.206	9.067	0.000
	BOCT	4.979	0.523	0.162	9.518	0.000
	TREND	-0.005	0.002	-0.039	-2.582	0.010
	BJUL	2.651	0.567	0.086	4.677	0.000
	BNOV	2.836	0.372	0.092	7.615	0.000
	BIN1	2.632	0.172	0.173	15.259	0.000

Casewise Diagnostics

Case Number	Std. Residual	VAR00001	Predicted Value	Residual
5	-1.212	6.46	8.1623	-1.7071
7	-1.607	17.10	19.3606	-2.2647
9	-1.014	27.72	29.1519	-1.4285
17	-1.217	8.61	10.3222	-1.7147
20	1.532	30.92	28.7656	2.1588
21	1.795	29.52	26.9873	2.5300
23	-1.131	10.14	11.7306	-1.5935
29	-1.427	7.34	9.3522	-2.0104
30	-1.551	12.80	14.9865	-2.1862
32	1.362	32.22	30.3013	1.9188
33	1.229	31.98	30.2508	1.7320
40	-1.225	6.27	7.9944	-1.7260
42	1.630	18.77	16.4708	2.2961
44	1.021	28.26	26.8244	1.4389
45	1.430	29.77	27.7540	2.0155
46	1.824	25.29	22.7194	2.5696
47	2.233	18.12	14.9722	3.1484
48	2.048	10.91	8.0222	2.8863
53	-1.439	7.88	9.9027	-2.0270
57	1.966	31.22	28.4465	2.7709
58	-1.206	26.14	27.8341	-1.6991
62	-1.159	5.21	6.8475	-1.6336
65	-1.284	8.17	9.9798	-1.8091
67	1.153	24.66	23.0343	1.6248
68	1.007	30.49	29.0710	1.4194

69	1.013	29.74	28.3122	1.4271
75	-1.148	5.66	7.2777	-1.6145
76	-1.364	6.40	8.3206	-1.9223
80	1.264	25.65	23.8677	1.7808
91	-1.068	18.11	19.6190	-1.5050
92	-1.337	26.48	28.3594	-1.8834
94	1.279	25.52	23.7155	1.8029
95	-1.369	17.87	19.7954	-1.9287
96	1.776	10.09	7.5870	2.5029
99	-1.212	5.53	7.2340	-1.7084
100	-1.331	6.82	8.6911	-1.8758
102	1.293	18.63	16.8102	1.8226
104	-1.828	24.87	27.4501	-2.5759
106	1.045	23.79	22.3215	1.4720
107	1.679	16.37	14.0071	2.3653
108	1.135	9.17	7.5751	1.5997
113	-2.110	6.09	9.0656	-2.9737
114	1.646	10.74	8.4224	2.3200
116	1.672	24.72	22.3588	2.3562
118	1.039	21.63	20.1644	1.4641
119	-1.260	16.51	18.2815	-1.7749
120	1.580	9.00	6.7738	2.2266
132	2.089	8.94	5.9952	2.9434
142	1.196	22.98	21.2981	1.6846
154	1.722	23.82	21.3918	2.4271
155	1.311	15.26	13.4134	1.8469
156	1.553	8.81	6.6245	2.1889
160	-1.242	5.16	6.9129	-1.7507
166	-1.948	20.21	22.9493	-2.7443
167	-1.295	17.00	18.8215	-1.8253
168	1.060	8.33	6.8412	1.4930
172	-1.014	5.34	6.7647	-1.4282
175	-2.045	15.23	18.1096	-2.8821
178	-1.734	20.75	23.1988	-2.4439
179	2.222	16.53	13.4024	3.1312
186	1.888	18.62	15.9631	2.6599
187	1.627	21.38	19.0832	2.2930
197	1.505	10.27	8.1468	2.1210
199	1.796	23.55	21.0201	2.5307
200	1.240	29.26	27.5123	1.7472
201	-1.762	25.28	27.7626	-2.4826
202	-1.169	18.91	20.5536	-1.6475
204	1.346	7.78	5.8883	1.8962
208	-1.411	4.38	6.3644	-1.9888
212	-1.818	24.31	26.8679	-2.5612
216	1.363	8.24	6.3188	1.9209
222	2.137	15.36	12.3505	3.0115
224	-1.829	25.28	27.8549	-2.5771
225	-1.549	24.94	27.1196	-2.1823
228	1.485	8.02	5.9296	2.0924
235	-1.978	18.98	21.7634	-2.7869
236	-1.858	26.71	29.3242	-2.6179
237	-2.023	24.46	27.3063	-2.8503

Residuals Statistics

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	4.8192	31.1899	13.7447	8.30198	245
Residual	-2.9737	3.1464	0.0000	1.37989	245
Std. Predicted Value	-1.075	2.101	0.000	1.000	245
Std. Residual	-2.110	2.233	0.000	0.979	245

Residential Use Per Customer Regression

Table A8(b)
Page 2 of 2

Commercial Customer Regression

Variables Entered/Removed

Model	Variables Entered	Variables Removed	Method
1	NAGA, BIN2, TREND		Enter

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	0.985	0.971	0.970	242.05

ANOVA

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	466,238,717	3	155,412,905.54	2,652.66	0.00
	Residual	14,119,584	241	58,587.48		
	Total	480,358,300	244			

Coefficients

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	1,179.497	115.586		10.20	0.00
	TREND	17.586	1.811	0.888	9.71	0.00
	BIN2	-445.337	56.717	-0.140	-7.85	0.00
	NAGA	0.006	0.003	0.202	2.14	0.03

Casewise Diagnostics

Case Number	Std. Residual	COMMC	Predicted Value	Residual
27	-1.002	3,839	4,082	-243
36	-1.148	3,962	4,240	-278
37	-1.153	4,001	4,280	-279
38	-1.483	3,938	4,297	-359
39	-1.528	3,945	4,315	-370
40	-1.280	4,023	4,332	-310
41	-1.123	4,078	4,350	-272
42	-1.095	4,103	4,368	-265
43	-1.152	4,106	4,385	-279
44	-1.173	4,119	4,403	-284
45	-1.193	4,132	4,420	-289
46	-1.282	4,128	4,438	-310
47	-1.461	4,102	4,455	-354
48	-1.660	4,071	4,473	-402
49	-1.781	4,108	4,539	-431
50	-2.118	4,044	4,557	-513
51	-2.162	4,051	4,574	-523
52	-1.905	4,131	4,592	-461
53	-1.743	4,188	4,609	-422
54	-1.711	4,213	4,627	-414
55	-1.769	4,216	4,644	-428
56	-1.788	4,229	4,662	-433
57	-1.807	4,242	4,680	-437
58	-1.896	4,238	4,697	-459
59	-2.078	4,212	4,715	-503
60	-2.280	4,180	4,732	-552
61	1.345	5,120	4,795	326
64	1.244	5,149	4,848	301
65	1.464	5,220	4,865	354
66	1.521	5,251	4,883	368
67	1.467	5,256	4,900	355
68	1.461	5,272	4,918	354
69	1.456	5,288	4,936	352

70	1,363	5,283	4,953	330
71	1,153	5,250	4,971	279
73	1,567	5,436	5,056	379
74	1,143	5,351	5,074	277
75	1,109	5,360	5,092	268
76	1,472	5,466	5,109	356
77	1,711	5,541	5,127	414
78	1,776	5,574	5,144	430
79	1,723	5,579	5,162	417
80	1,721	5,596	5,179	417
81	1,720	5,613	5,197	416
82	1,626	5,608	5,215	393
83	1,408	5,573	5,232	341
84	1,164	5,532	5,250	282
85	1,041	5,562	5,310	252
89	1,195	5,670	5,380	289
90	1,263	5,704	5,398	306
91	1,211	5,709	5,416	293
92	1,210	5,726	5,433	293
93	1,211	5,744	5,451	293
94	1,116	5,739	5,468	270
105	1,116	5,976	5,706	270
106	1,014	5,969	5,723	246
118	1,016	6,242	5,996	246
159	-1,270	6,623	6,931	-308
168	-1,197	6,799	7,089	-290
169	-1,606	6,791	7,180	-389
170	-1,720	6,781	7,197	-416
171	-1,648	6,816	7,215	-399
172	-1,253	6,929	7,232	-303
178	-1,086	7,075	7,338	-263
180	-1,442	7,024	7,373	-349
184	1,328	7,366	7,044	322
185	1,413	7,404	7,062	342
186	1,439	7,428	7,080	348
187	1,375	7,430	7,097	333
188	1,335	7,438	7,115	323
189	1,320	7,452	7,132	320
190	1,252	7,453	7,150	303
191	1,084	7,430	7,168	262
229	4,016	8,934	7,962	972
230	-1,816	7,540	7,980	-440
231	-1,872	7,544	7,997	-453
240	-1,031	7,906	8,155	-249
241	-1,095	7,908	8,173	-265
242	-1,215	7,917	8,211	-294
243	-1,199	7,939	8,229	-290
244	-1,183	7,960	8,246	-286
245	-1,227	7,967	8,264	-297

Residuals Statistics

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	3,596.17	8,263.90	6,020.87	1,382.32	245
Residual	-551.94	971.95	0.00	240.56	245
Std. Predicted Value	-1.75	1.62	0.00	1.00	245
Std. Residual	-2.28	4.02	0.00	0.99	245

Commercial Use Per Customer Regression

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Variables Entered/Removed

Model	Variables Entered	Variables Removed	Method
1	BJUL, BAUG, BNOV, BOCT, BSEP, PRICE$03, WPRECIP, WGDD		Enter

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	0.955	0.911	0.908	7.15708

ANOVA

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	124,107.093	8	15,513.387	302.855	0.000
	Residual	12,088.814	236	51.224		
	Total	136,195.907	244			

Coefficients

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	48.610	3.546		13.706	0.000
	WGDD	0.031	0.003	0.694	11.811	0.000
	WPRECIP	-0.811	0.505	-0.040	-1.607	0.109
	PRICE$03	-11.384	3.393	-0.071	-3.355	0.001
	BSEP	14.410	3.546	0.187	4.064	0.000
	BOCT	23.793	2.633	0.278	9.037	0.000
	BNOV	15.497	1.842	0.180	8.413	0.000
	BAUG	11.720	3.670	0.136	3.193	0.002
	BJUL	3.566	2.877	0.041	1.239	0.216

Casewise Diagnostics

Case Number	Std. Residual	COMMUPC	Predicted Value	Residual
12	1.330	47.30	37.7813	9.5198
17	-1.031	38.83	46.2124	-7.3798
21	1.301	97.38	88.0685	9.3108
23	-1.216	49.30	57.9962	-8.7000
32	2.124	107.01	91.8050	15.2021
34	1.620	92.86	81.2691	11.5945
42	1.119	70.83	62.8277	8.0065
44	1.354	99.39	89.7015	9.6875
45	1.070	98.05	90.3918	7.6548
47	1.225	75.65	66.8779	8.7695
48	2.540	58.67	40.4876	18.1823
55	1.040	85.36	77.9159	7.4427
57	2.306	108.87	92.3662	16.5008
58	1.730	102.15	89.7643	12.3853
60	1.902	55.29	41.6815	13.6096
65	-1.288	36.66	45.8767	-9.2177
80	-1.825	83.17	96.2301	-13.0607
84	1.036	47.24	39.8263	7.4126
92	-1.613	82.80	94.3499	-11.5469
96	1.462	50.39	39.9196	10.4670
105	-1.403	83.81	93.8463	-10.0386
113	-1.956	30.05	44.0457	-13.9993
114	-1.575	45.04	56.3084	-11.2707

120	1.225	46.86	38.0966	8.7678
123	-1.188	27.58	36.0883	-8.5051
127	-1.038	67.51	74.9455	-7.4308
131	1.775	74.88	62.1764	12.7028
132	1.664	48.08	36.1711	11.9102
143	1.429	71.68	61.4521	10.2303
144	1.559	47.25	36.0944	11.1586
145	1.244	43.58	34.6811	8.9005
153	1.221	101.22	92.4866	8.7372
155	1.403	74.13	64.0884	10.0380
160	-1.089	31.14	38.9340	-7.7963
166	-1.145	83.92	92.1177	-8.1973
167	1.101	72.49	64.6126	7.8770
168	1.255	47.82	38.8388	8.9787
175	-1.283	56.24	65.4162	-9.1799
176	-1.654	81.28	93.1211	-11.8389
180	2.631	56.35	37.5218	18.8330
186	3.116	71.66	49.3549	22.3003
188	2.710	108.54	89.1509	19.3931
191	-1.620	53.91	65.5071	-11.5977
198	2.376	71.95	54.9428	17.0087
200	2.058	108.22	93.4948	14.7283
203	-1.924	46.01	59.7745	-13.7676
204	1.205	45.40	36.7733	8.6256
208	1.057	45.65	38.0793	7.5671
210	1.084	62.71	54.9539	7.7579
211	2.168	87.16	71.6497	15.5151
212	1.754	104.50	91.9458	12.5506
213	-3.326	73.54	97.3389	-23.8032
215	-1.141	56.68	64.8478	-8.1696
219	-1.251	27.35	36.3072	-8.9526
221	-1.749	28.11	40.6310	-12.5205
222	1.218	62.88	54.1683	8.7138
224	-2.760	74.95	94.7045	-19.7549
225	1.193	99.53	90.9869	8.5390
231	-1.428	26.25	36.4728	-10.2221
232	-1.277	29.05	38.1880	-9.1381
233	-1.194	31.71	40.2543	-8.5446
235	-1.342	66.22	75.8211	-9.6053
237	-1.668	86.66	98.6026	-11.9395
238	-1.934	81.38	95.2260	-13.8446
239	-1.497	59.26	69.9727	-10.7165
241	-1.015	27.80	35.0662	-7.2662
243	-1.430	26.21	36.4451	-10.2331
244	-1.123	32.61	40.6455	-8.0355

Commercial Use Per Customer Regression

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Residuals Statistics

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	33.3626	99.3566	57.3930	22.55295	245
Residual	-23.8032	22.3003	0.0000	7.03877	245
Std. Predicted Value	-1.066	1.861	0.000	1.000	245
Std. Residual	-3.326	3.116	0.000	0.983	245