KELLER associates
131 SW 5th Avenue, Suite A • Meridian, ID 83642
208.288.1992 phone • 208.288.1999 fax • www.kellerassociates.com

January 9, 2017

Ms. Angela Grimm
Water Rights Supervisor
IDWR – Western Regional Office
2735 Airport Way
Boise, ID 83705

Re: **City of Mountain Home Water Rights**
2015 and 2016 Annual Reports

Dear Ms. Grimm:

The purpose of this document is to summarize the total amount of water diverted by the City of Mountain Home groundwater wells during both 2015 and 2016 pursuant to the Condition of Approval 12 of Transfer No. 78273 dated September 22, 2014. The City has requested that Keller Associates, Inc. submit this annual report on its behalf.

The City of Mountain Home currently operates eight potable water wells, and one irrigation well. The potable water wells are used to supply water to the potable water distribution system, which residents use for potable water and irrigation. The City uses the irrigation well as a supplement to reuse water from their wastewater treatment plant to irrigate farmland.

Keller Associates performed an analysis of available production data from all wells. The parameters evaluated are summarized in Table 1, and include:

- Irrigation season maximum week (April 1 – October 31)
- Non-irrigation season maximum week (January 1 – March 31, November 1 – December 31)
- Total water pumped during irrigation season (April 1 – October 31)
- Total water pumped during non-irrigation season (January 1 – March 31, November 1 – December 31)

Information used to complete this analysis was provided by the City of Mountain Home and is believed to be accurate; it is attached to this document.

Engineering Solutions, Satisfied Clients
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Table 1. Well Production Data Summary

			Total Volume Pumped	
Year	Irrigation Season Max Week	Non-irrigation Season Max Week	Irrigation Season	Non-irrigation Season
All Wells (Acre-Feet)				
2015	262	30.4	5,217	613
2016	266	28.1	4,928	590

Respectfully,

KELLER ASSOCIATES, INC.

James Bledsoe, P.E.
Project Manager

cc: City of Mountain Home
File

Engineering Solutions, Satisfied Clients
Clarkston • Idaho Falls • Meridian • Pocatello • Rock Springs • Roseville • Salem

City of Mountain Home
Water Rights Annual Report
Production Data

			Gallons											Acre-Feet
Year	**Week**	**# Days**	**Well #1**	**Well #6**	**Well #9**	**Well #11**	**Well #12**	**Well #13**	**Well #14**	**Well #15**	**Farm Well**	**Potable Total**	**All Wells Total**	**All Wells Total**
2015	1	3	2,954,257	0	0	0	0	517,500	0	0	0	3,471,757	3,471,757	11
2015	2	7	7,386,638	0	0	0	0	1,435,270	0	0	0	8,821,908	8,821,908	27
2015	3	7	7,076,231	0	0	0	0	1,475,410	0	0	0	8,551,641	8,551,641	26
2015	4	7	7,170,175	0	0	0	0	1,269,450	0	0	0	8,439,625	8,439,625	26
2015	5	7	7,182,651	0	0	0	0	1,090,990	151,000	0	0	8,424,641	8,424,641	26
2015	6	7	7,169,953	0	0	0	0	819,220	210,000	0	0	8,199,173	8,199,173	25
2015	7	7	6,989,894	0	0	0	0	980,160	199,000	0	0	8,169,054	8,169,054	25
2015	8	7	6,955,610	0	0	0	0	891,270	318,000	0	0	8,164,880	8,164,880	25
2015	9	7	6,871,054	0	0	0	0	542,810	446,000	0	0	7,859,864	7,859,864	24
2015	10	7	6,922,706	0	0	0	0	1,108,490	448,000	0	0	8,479,196	8,479,196	26
2015	11	7	7,416,951	0	0	0	0	2,851,560	447,000	0	0	10,715,511	10,715,511	33
2015	12	7	7,749,062	0	0	0	0	3,829,610	439,000	0	0	12,017,672	12,017,672	37
2015	13	7	7,783,710	0	0	0	0	6,956,540	569,000	0	0	15,309,250	15,309,250	47
2015	14	7	7,840,495	0	0	190,000	0	10,116,670	575,000	0	0	18,722,165	18,722,165	57
2015	15	7	7,981,981	0	0	750,000	0	13,752,310	628,000	0	6,450,000	23,112,291	29,562,291	91
2015	16	7	7,713,216	389,000	0	6,360,000	0	11,598,930	813,000	0	8,920,000	26,874,146	35,794,146	110
2015	17	7	7,808,661	1,340,000	0	11,070,000	0	14,045,180	893,000	0	10,070,000	35,156,841	45,226,841	139
2015	18	7	8,562,246	1,984,000	0	10,680,000	0	18,070,060	2,301,000	0	8,320,000	41,597,306	49,917,306	153
2015	19	7	2,740,198	2,547,000	0	11,190,000	608,100	14,211,010	2,564,000	6,248,000	2,410,000	40,108,308	42,518,308	130
2015	20	7	10	1,909,000	0	9,620,000	595,700	14,340,810	1,388,000	11,068,000	8,120,000	38,921,520	47,041,520	144
2015	21	7	10,255	1,795,000	0	9,610,000	817,900	12,116,550	1,862,000	10,932,000	10,720,000	37,143,705	47,863,705	147
2015	22	7	9	1,791,000	0	9,690,000	614,800	15,656,630	2,021,000	11,066,000	1,930,000	40,839,439	42,769,439	131
2015	23	7	7	2,045,000	0	10,990,000	1,271,800	15,961,280	1,694,000	11,146,000	5,240,000	43,108,087	48,348,087	148
2015	24	7	9	5,797,000	0	14,150,000	2,456,600	17,482,490	3,152,000	11,075,000	4,570,000	54,113,099	58,683,099	180
2015	25	7	835,755	8,421,000	0	16,210,000	3,784,400	18,170,120	4,608,000	10,876,000	12,430,000	62,905,275	75,335,275	231
2015	26	7	910,192	9,706,000	131	17,760,000	5,531,800	18,364,070	5,423,000	11,017,000	15,200,000	68,712,193	83,912,193	258
2015	27	7	1,984,369	10,553,000	788,600	18,050,000	6,604,400	18,001,420	5,484,000	10,903,000	12,870,000	72,368,789	85,238,789	262
2015	28	7	1,406,854	9,422,000	1,143,000	15,660,000	5,402,500	18,504,180	5,261,000	11,043,000	15,350,000	67,842,534	83,192,534	255
2015	29	7	1,016,737	9,082,000	1,209,000	12,980,000	4,733,400	17,316,340	5,101,000	10,294,000	12,290,000	61,732,477	74,022,477	227
2015	30	7	1,191,990	7,483,000	571,000	14,470,000	5,649,800	17,119,780	4,944,000	10,892,000	15,770,000	62,321,570	78,091,570	240
2015	31	7	1,168,508	9,529,000	774,000	14,350,000	4,951,700	18,894,520	4,479,000	10,831,000	14,760,000	64,977,728	79,737,728	245
2015	32	7	1,174,086	8,151,000	780,000	13,190,000	4,510,600	16,780,480	2,966,000	10,681,000	13,980,000	58,233,166	72,213,166	222
2015	33	7	1,127,149	8,425,000	1,053,000	13,430,000	4,934,600	17,977,310	3,199,000	9,615,000	9,990,000	59,761,059	69,751,059	214
2015	34	7	1,073,776	8,849,000	745,000	13,400,000	4,190,100	18,377,880	4,848,000	10,787,000	16,140,000	62,270,756	78,410,756	241
2015	35	7	1,115,723	8,405,000	715,000	12,830,000	3,988,900	18,289,000	5,181,000	10,646,000	14,260,000	61,170,623	75,430,623	232
2015	36	7	617,989	7,302,000	442,000	11,500,000	2,724,500	17,017,000	4,382,000	10,685,000	4,590,000	54,670,489	59,260,489	182
2015	37	7	402,138	5,694,000	254,000	11,860,000	2,717,100	17,263,000	4,184,000	10,884,000	3,620,000	53,258,238	56,878,238	175
2015	38	7	168,308	3,027,000	128,000	9,210,000	1,782,300	13,831,000	2,413,000	10,609,000	13,120,000	41,168,608	54,288,608	167
2015	39	7	754	3,596,000	0	9,820,000	1,900,600	15,455,000	3,515,000	10,695,000	430,000	44,982,354	45,412,354	139
2015	40	7	355	2,238,000	0	9,210,000	1,433,100	14,454,000	2,620,000	11,013,000	6,640,000	40,968,455	47,608,455	146
2015	41	7	1,033	795,000	0	7,280,000	514,300	12,916,000	2,522,000	10,338,000	4,120,000	34,366,333	38,486,333	118
2015	42	7	560	314,000	0	6,210,000	203,100	13,633,000	2,805,000	10,891,000	13,020,000	34,056,660	47,076,660	144
2015	43	7	163	0	0	1,460,000	0	7,682,000	1,122,000	10,686,000	60,000	20,950,163	21,010,163	64

City of Mountain Home
Water Rights Annual Report
Production Data

			Gallons											Acre-Feet
Year	**Week**	**# Days**	**Well #1**	**Well #6**	**Well #9**	**Well #11**	**Well #12**	**Well #13**	**Well #14**	**Well #15**	**Farm Well**	**Potable Total**	**All Wells Total**	**All Wells Total**
2015	44	7	272	0	0	130,000	0	3,089,000	965,000	10,569,000	0	14,753,272	14,753,272	45
2015	45	7	5,575,023	0	0	0	700	958,000	348,000	2,943,000	0	9,824,723	9,824,723	30
2015	46	7	7,211,710	0	0	0	1,900	920,000	243,000	0	0	8,376,610	8,376,610	26
2015	47	7	7,296,967	24,000	0	20,000	21,800	973,000	204,000	0	0	8,539,767	8,539,767	26
2015	48	7	7,499,367	0	0	0	0	945,000	185,000	0	0	8,629,367	8,629,367	26
2015	49	7	7,418,156	0	0	0	0	2,150,000	348,000	0	0	9,916,156	9,916,156	30
2015	50	7	6,995,085	228,000	0	0	0	644,000	294,000	0	0	8,161,085	8,161,085	25
2015	51	7	7,667,136	0	0	230,000	0	658,000	96,000	0	0	8,651,136	8,651,136	27
2015	52	7	7,223,874	7,000	0	0	0	741,000	323,000	0	0	8,294,874	8,294,874	25
2015	53	5	5,080,394	0	0	0	0	733,000	178,000	0	0	5,991,394	5,991,394	18
2016	1	2	1,954,312	0	0	0	0	360,000	0	0	0	2,314,312	2,314,312	7
2016	2	7	3,271,664	0	0	0	0	5,085,000	396,000	0	0	8,752,664	8,752,664	27
2016	3	7	1,761,849	0	0	0	0	5,955,000	513,000	5	0	8,229,854	8,229,854	25
2016	4	7	7,172,265	0	0	270,000	0	625,000	200,000	0	0	8,267,265	8,267,265	25
2016	5	7	7,133,446	0	0	810,000	0	0	247,000	0	0	8,190,446	8,190,446	25
2016	6	7	7,080,675	0	0	990,000	0	0	196,000	0	0	8,266,675	8,266,675	25
2016	7	7	7,197,761	0	0	620,000	1	0	181,000	0	0	7,998,762	7,998,762	25
2016	8	7	7,276,022	0	0	780,000	0	0	209,000	0	0	8,265,022	8,265,022	25
2016	9	7	7,300,758	0	0	940,000	0	0	345,000	0	0	8,585,758	8,585,758	26
2016	10	7	6,380,453	0	0	1,760,000	0	0	925,000	0	0	9,065,453	9,065,453	28
2016	11	7	7,088,893	0	0	1,060,000	0	0	293,000	0	0	8,441,893	8,441,893	26
2016	12	7	7,488,753	0	0	1,530,000	0	0	486,000	0	0	9,504,753	9,504,753	29
2016	13	7	7,516,461	0	0	2,500,000	0	0	570,000	0	0	10,586,461	10,586,461	32
2016	14	7	7,809,122	0	0	4,060,000	0	0	958,000	0	0	12,827,122	12,827,122	39
2016	15	7	7,730,185	0	0	11,340,000	0	0	557,000	0	0	19,627,185	19,627,185	60
2016	16	7	7,820,933	0	0	15,640,000	0	311,000	84,000	0	0	23,855,933	23,855,933	73
2016	17	7	7,668,789	0	0	17,180,000	0	5,950,000	627,000	0	14,740,000	31,425,789	46,165,789	142
2016	18	7	7,688,130	0	0	10,090,000	0	9,444,000	445,000	0	3,060,000	27,667,130	30,727,130	94
2016	19	7	7,818,916	1,016,000	0	8,940,000	351,300	16,506,000	1,684,000	0	0	36,316,216	36,316,216	111
2016	20	7	7,747,473	1,164,000	0	10,890,000	1,038,600	15,360,000	1,406,000	0	0	37,606,073	37,606,073	115
2016	21	7	7,832,964	2,841,000	0	8,960,000	1,123,300	15,601,000	1,551,000	0	0	37,909,264	37,909,264	116
2016	22	7	846,492	2,626,000	0	9,980,000	1,685,400	14,276,000	1,851,000	9,063,000	0	40,327,892	40,327,892	124
2016	23	7	186,888	6,414,000	0	12,280,000	2,657,400	18,406,000	2,788,000	11,062,000	7,570,000	53,794,288	61,364,288	188
2016	24	7	575,775	8,453,000	351	14,180,000	4,185,200	18,135,000	3,875,000	10,767,000	5,370,000	60,171,326	65,541,326	201
2016	25	7	642,300	8,693,000	554	11,810,000	4,161,700	17,097,000	2,898,000	10,840,000	14,510,000	56,142,554	70,652,554	217
2016	26	7	1,497,809	9,856,000	720	15,950,000	6,027,200	16,294,000	3,834,000	10,995,000	15,010,000	64,454,729	79,464,729	244
2016	27	7	2,319,990	16,343,000	417,462	13,570,000	6,828,300	14,291,000	5,007,000	10,614,000	13,250,000	69,390,752	82,640,752	254
2016	28	7	2,381,923	17,974,000	2,306,000	13,660,000	6,439,500	10,059,000	4,293,000	10,464,000	8,720,000	67,577,423	76,297,423	234
2016	29	7	3,721,065	17,482,000	3,587,000	0	7,140,100	16,056,000	6,130,000	10,780,000	6,250,000	64,896,165	71,146,165	218
2016	30	7	3,468,741	17,790,000	3,543,000	0	6,490,000	15,652,000	7,886,000	10,195,000	15,100,000	65,024,741	80,124,741	246
2016	31	7	3,574,962	17,476,000	3,782,000	5,590,000	7,130,800	16,611,000	6,583,000	10,794,000	15,060,000	71,541,762	86,601,762	266
2016	32	7	2,276,953	18,146,000	2,050,000	15,380,000	6,152,700	10,497,000	4,604,000	10,622,000	15,290,000	69,728,653	85,018,653	261
2016	33	7	2,038,684	18,482,000	1,817,000	14,200,000	6,060,300	9,559,000	5,190,000	10,578,000	10,870,000	67,924,984	78,794,984	242

City of Mountain Home
Water Rights Annual Report
Production Data

			Gallons											Acre-Feet
Year	**Week**	**# Days**	**Well #1**	**Well #6**	**Well #9**	**Well #11**	**Well #12**	**Well #13**	**Well #14**	**Well #15**	**Farm Well**	**Potable Total**	**All Wells Total**	**All Wells Total**
2016	34	7	1,970,528	18,137,000	1,754,000	13,330,000	6,099,700	9,617,000	5,370,000	10,330,000	5,950,000	66,608,228	72,558,228	223
2016	35	7	1,510,768	10,928,000	1,395,000	13,250,000	5,741,600	15,842,000	5,329,000	10,570,000	15,460,000	64,566,368	80,026,368	246
2016	36	7	1,395,146	8,774,000	963,000	12,670,000	5,247,500	17,384,000	4,886,000	10,525,000	14,270,000	61,844,646	76,114,646	234
2016	37	7	331,591	7,127,000	197,000	10,520,000	3,219,100	15,988,000	3,268,000	10,614,000	0	51,264,691	51,264,691	157
2016	38	7	169,454	4,090,000	93,000	9,460,000	1,834,000	15,090,000	2,567,000	10,268,000	0	43,571,454	43,571,454	134
2016	39	7	47,521	1,590,000	0	8,140,000	1,036,400	14,532,000	2,016,000	10,830,000	0	38,191,921	38,191,921	117
2016	40	7	0	574,000	0	8,540,000	381,000	14,041,000	1,800,000	10,495,000	0	35,831,000	35,831,000	110
2016	41	7	27	565,000	0	6,100,000	398,200	12,956,000	1,790,000	10,578,000	0	32,387,227	32,387,227	99
2016	42	7	194	0	0	2,490,000	0	11,495,000	1,564,000	10,503,000	0	26,052,194	26,052,194	80
2016	43	7	6,387,727	0	0	0	0	8,414,000	356,000	1,488,000	0	16,645,727	16,645,727	51
2016	44	7	7,203,913	0	0	0	0	7,054,000	1,359,000	0	0	15,616,913	15,616,913	48
2016	45	7	7,237,945	0	0	0	0	2,382,000	408,000	0	0	10,027,945	10,027,945	31
2016	46	7	6,466,315	0	0	0	672,500	2,162,000	934,000	0	0	10,234,815	10,234,815	31
2016	47	7	6,945,810	0	0	0	0	1,931,000	393,000	0	0	9,269,810	9,269,810	28
2016	48	7	6,573,339	0	0	0	0	1,337,000	151,000	0	0	8,061,339	8,061,339	25
2016	49	7	7,083,641	0	0	0	0	1,108,000	67,000	0	0	8,258,641	8,258,641	25
2016	50	7	6,529,645	0	0	0	0	1,438,000	228,000	0	0	8,195,645	8,195,645	25
2016	51	7	6,791,360	0	0	0	0	1,276,000	191,000	0	0	8,258,360	8,258,360	25
2016	52	7	7,198,413	0	0	0	0	1,545,000	238,000	0	0	8,981,413	8,981,413	28
2016	53	7	7,054,988	0	0	0	0	1,705,000	389,000	0	0	9,148,988	9,148,988	28

			Total Volume Pumped	
Year	Irrig. Max Wk	Non Max Wk.	Irrigation	Non-irrig.
All Well (Acre-Feet)				
2015	262	30	5,217	613
2016	266	28	4,928	590

*RECEIVED VIA EMAIL FROM APPLICANT'S REPRESENTATIVE 5/27/2014.

Point of Diversion Supplement

Application for Transfer - City of Mountain Home
August 2013

Location of Points of Diversion

Twp	Rge	Sec	1/4	1/4	1/4	Lot	County	Source	Local Name	Existing POD(1)	Proposed POD(2)	Active Well(3)
03S	06E	13		SE	SW		Elmore	Groundwater	Well 12	x		x
03S	06E	23		NE	NE		Elmore	Groundwater	Legacy Park	x		
03S	06E	25		NW	NW		Elmore	Groundwater	Well 15	x		x
03S	06E	26		SE	NE		Elmore	Groundwater	Well 1	x		x
03S	06E	26		SE	NE		Elmore	Groundwater	Well 6	x		x
03S	06E	27		SW	NE		Elmore	Groundwater	Well 13	x		x
03S	06E	27		SE	SE		Elmore	Groundwater	Well 11	x		x
03S	07E	19		NE	SE		Elmore	Groundwater	Well 14	x		x
03S	07E	30		NE	NW		Elmore	Groundwater	Well 4	x		
03S	07E	30		NE	NW		Elmore	Groundwater	Well 5	x		
03S	07E	30		NW	NW	1	Elmore	Groundwater	Well 9	x		x
04S	06E	13		NE	SW		Elmore	Groundwater	South Farm Well	x		
04S	06E	13		NW	NE		Elmore	Groundwater	North Farm Well	x		
03S	06E	36		SW	NE		Elmore	Groundwater	City shop		x	
03S	06E	27		SW	NE		Elmore	Groundwater	Optimist Park		x	
03S	06E	22		SE	SE		Elmore	Groundwater	Triangle N. of #13		x	
03S	06E	13		NW	SW		Elmore	Groundwater	Tank #1		x	
03S	06E	25		SE	SE		Elmore	Groundwater	6th S & 18th E		x	
03S	07E	19		SW	SE		Elmore	Groundwater	Tank #2		x	
04S	06E	3		NE	NE		Elmore	Groundwater	Smith Rd & Bruneau Hwy		x	

Notes:
(1) Authorized point of diversion (well) on City's existing municipal and irrigation water rights.
(2) Proposed additional authorized point of diversion (well) for existing rights and new rights being moved into system.
(3) Active supply source to municipal system as of August 2013

AMENDED

RECEIVED
MAY 27 2014
WATER RESOURCES
WESTERN REGION