

Attachment 4F

In accordance with an agreement between the City of Boise and local low temperature geothermal ("LTG") ground water users, Quail Hollow Golf Course utilizes surface water (under water right 63-21875) and cold ground water prior to diverting LTG groundwater supplies. During the past five years, the maximum volume of LTG ground water diverted for irrigation purposes was 2.3 millions gallons (7.1 af).

Stewart Gulch Creek water (under water right 63-21875) can be diverted to the pond from which the pressurized irrigation system operates however creek flows are limited, inconsistent and not viable as a primary source of irrigation water for the course. During years when the Creek is low or dry, the golf course is entirely reliant on cold ground water from the 36th Street well for a full supply of irrigation water.

The pond from which the pressurized irrigation system operates is 0.45 acres in area, 8 feet deep, and holds approximately 1 million gallons of water. Typical nightly irrigation use pond drawdown is 500,000 gallons. In summer, nightly pond drawdown can be as high as 750,000 gallons. Maximum monthly pumping required to provide an adequate supply of ground water for irrigation from the pond is as follows:

Month	Days	Gallons/Month	AF/Month
March	31	15,500,000	47.6
April	30	15,000,000	46.0
May	31	20,150,000	61.8
June	30	22,500,000	69.0
July	31	23,250,000	71.4
August	31	23,250,000	71.4
Sept	30	19,500,000	59.8
October	31	15,500,000	47.6
Nov	15	7,500,000	23.0
	260	162,150,000	497.0

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