



# Oregon Water Resources Department

## FORM M

### FOR MUNICIPAL AND QUASI MUNICIPAL WATER SUPPLIES

Unless otherwise noted, water use information should be in acre-feet per year (AFY).  
1 acre-foot is equal to 325,851 gallons.

#### Background Information

Name of water supplier: Sunriver Water LLC

Name and size of area to be served: Sunriver Community (Approximately 8 square miles)  
*(in square miles)*

Present population of service area: Approximately 11,300  
*(Contact county planning staff, if needed.)*

Projected population in 20 years: Approximately 15,000  
*(Cite source and year. For example: "20,595 Based upon 1995 Portland State University projections.")*

List present water rights and permits held:

Date of Issuance:	Natural Source of Water:	Amount Permitted:	Utilization:
<u>G-13249 - 1997</u>	<u>Groundwater</u>	<u>3,700 gpm</u>	<u>3,700 gpm</u>
<u>G-3810 - 1967</u>	<u>Groundwater</u>	<u>1,526 gpm</u>	<u>1,526 gpm</u>

#### Water Use

Average yearly demand: 1,703 AFY      Year: 1999

Per-capita daily consumption (in gallons): 135 gallons  
*(Divide average annual water sales by population to arrive at consumption, then divide by 365 to get daily values.)*

Peak season (by month/day): 07/15 to 08/15    Total peak season demand: 348 Acre-feet

Peak season per-capita daily consumption: 335 gallons  
*(Divide total peak season demand by population and the number of days during the peak.)*

Annual amount of water:  
produced: +/- 1790 AFY  
*(diverted or pumped)*

delivered: 1703 AFY

Is your system fully metered?  Yes  No

Describe your rate structure: Combination  
*(e.g. flat rate, increasing or decreasing block rate or combination of different systems)*

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**Request for Water**

**A. Discuss the reason(s) for your request for additional water**

*(e.g. loss of current supply, peak demand, growth, or other):* The previously prepared Sunriver Water Conservation and Management Plan identified the need for additional water supplies to meet build-out consumption.

**B. How long is the amount of water requested in this application expected to meet future needs?**

*(e.g. until the year 2040)* 2030

**C. Briefly discuss operation of water system and the most constraining component of the system:**

An extensive underground water distribution system has been extended throughout the Sunriver Community to deliver water from multiple wells and storage. Additional water supplies are needed to meet build-out consumption. The additional water supplies are the most constraining elements of the system.

**D. Percentage of water use by type:**

Residential: <u>85%</u>	Commercial: <u>5%</u>
Public Authority: _____	Agricultural: _____
Unaccounted for use: <u>10%</u>	Industrial: _____
Other (specify use): _____	

**E. List cost to implement proposed request.**

*Compare cost and benefits with other water supply, or combination of supply options. This should include water efficiency measures such as replacing current showerheads with low-flow types. (Attach documentation, as available.)*

A new well, pump, controls, power supply and connection to the distribution system are expected to cost approximately \$750,000. No other alternatives are known.

**F. How and by how much will your proposed water use efficiency programs increase efficiency?**

*(Express as a percentage of per-capita consumption.)*

Significant water conservation and efficiency programs have already been implemented at Sunriver. No further significant efficiency increases are projected.

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*Last revision: April 9, 1996*

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