

Hi Casey,

Per your request to Mike Vondergeest on July 7 for additional technical information on water consumption, please find attached a table summarizing the water consumption projected for the Grimes Pipeline Project construction activities. Operation of the Grimes Pipeline Project will not require any water.

The Project will likely obtain water for dust control and soil compaction from the local Meridian Irrigation District. For the hydrotest of the pipeline, which requires cleaner water, water would be obtained from a private water well owned by Clark Construction. This private well is located at Clark Construction 's yard in Colusa.

If you have any further questions please e-mail or call me at (925) 743-3725.

Kathleen

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<b>DOCKET</b>	
<b>97-AFC-2C</b>	
DATE	<u>July 11 2011</u>
RECD.	<u>July 11 2011</u>

**GRIMES PIPELINE PROJECT  
ESTIMATED WATER CONSUMPTION FOR CONSTRUCTION ACTIVITIES**

Construction Activity	Daily Peak Volume (gallons)	Total Project Consumption (gallons)	Water Source	Comment
Hydrotest	22,000	22,000	Private water well at Clark Construction yard in Colusa	Hydrotest includes the 2.8 mile, 6" pipeline.
Dust Suppression (to be performed only if necessary)	21,000	840,000	Meridian Irrigation District.	Maximum water usage based on 3 trucks twice a day @3500 gal. each. Assumes two month construction period.
Soil compaction	60,000	60,000	Meridian Irrigation District.	Water use assumes 3 water trucks per lift. Water source will be from local Meridian Irrigation District.
Concrete pour	100	100	Meridian Irrigation District.	Concrete will arrive to the site pre-mixed. Water will be used at concrete washout station.
Fire Suppression	N/A	N/A	N/A	Project will use hand held fire extinguishers to put out small fires. The local Fire Department will be called out in the event of a major fire.
<b>TOTAL</b>	<b>103,100</b>	<b>1,120,100</b>		

Note: No water will be consumed during Operations of the Grimes Pipeline Project.

