

## APPENDIX B-3

<b>Appendix B-3 Oakland Uptown Project Water Demands December 17, 2003</b>	
<b>Domestic Water Demand</b>	
Demand Rate (Gallons per Capita per Day):	125
Persons per Dwelling Unit:	2.35
Dwelling Units:	1120
Average Daily Demand (Gallons per Day):	329,000
Average Daily demand (GPM):	228
Average Daily demand (CFS):	0.51
Peaking Flow Factor:	1.6
Peak Domestic Water Demand (GPM)	366
Peak Domestic Water Demand (CFS)	0.81
<b>Required Fire Flows</b>	
Minimum Fire Flow, Residential, (GPM)	TBD
Minimum Fire Flow, Commercial, (GPM)	TBD
Minimum Fire Flow, Commercial, (CFS)	TBD
<b>Maximum Water Demand (GPM)</b>	<b>TBD</b>
<b>Maximum Water Demand (CFS)</b>	<b>TBD</b>

**Notes:**

1. Maximum water demand is the sum of peak domestic demand and fire flow requirements.
2. Average Daily Sewage Flow = 85% Average Daily Water Demand.
3. Fire flows are subject to negotiations with the Fire Department and are To Be Determined
4. The adequacy of the existing system to meet maximum demands will be determined by EBMUD based on the peak domestic demand indicated and the fire flow demand.
5. The proposed development will be served by existing off-site 8 inch water mains in San Pablo Avenue and Telegraph Avenue. New 8 inch water mains are proposed in 19th Street and William Street.
6. The existing off-site water system supplying the development appears to have adequate capacity to meet the indicated demands. Some improvements to the existing off-site system may be required due to the age and condition of the existing system. Preliminary discussions with EBMUD indicate that adequate water will be made available for the development (Brandon whitehurst communication with EBMUD).