

Eagleridge Water Booster Station Conversion Project Alternatives
 Lake Whatcom Water and Sewer District

Option	Pros	Cons	Status
1 Maintain Existing Policy			
<p>1A - Implement Proposed Project.</p>	<p>Engineering and permitting is 100% complete, project is ready to construct.</p> <p>Lowest cost solution.</p> <p>Most efficient solution for future operations and maintenance.</p>	<p>Reduction in level of service by some customers accustomed to higher pressures.</p> <p>Customers that desire higher pressure will need to install and maintain private booster pump and backflow device.</p>	<p>Under Consideration</p>
<p>1B - Booster Station Replaced by Developer Extension Agreement.</p>	<p>Other customers not responsible for financing improvement that exceeds District policy.</p> <p>Private contractor can perform work and avoid prevailing wages.</p>	<p>DEA formation challenging (getting all 70, or majority customers to financially participate).</p> <p>Pump station adds ongoing operation and maintenance costs indefinitely into the future.</p> <p>Pump station only benefits higher elevation properties. Lower elevation properties will see little to no benefit.</p>	<p>Unlikely</p>
<p>1C - Booster Station Replaced by Utility Local Improvement District</p>	<p>Other customers not responsible for financing improvement that exceeds District Policy.</p>	<p>Needs approval of 60% of water system customer base.</p> <p>Requires District financial and labor resources to manage and administer project.</p> <p>Plans, specifications, and construction contract documents need to be prepared for public bidding.</p> <p>Public works project requiring prevailing wages.</p> <p>District finances all project costs up front. Assessments may take decades to track, collect, and manage. Requires additional labor resources to administer assessments.</p> <p>Expensive solution both in terms of financing and labor.</p> <p>+ same Cons as Option 1B</p>	<p>Unlikely</p>
2 Revise Policy to allow for District Replacement of Booster Station			
<p>2A - Minimum Pressure based upon Structure Location</p>	<p>Provides policy justifying pump replacement financed by District.</p>	<p>Financial and labor resources costs unknown. Potential system improvements not included in current CIP and long-term rate plan.</p> <p>Significant effort to study and understand consequences that impact other areas of the District required to draft policy.</p> <p>Some parcels are many acres in size with large elevation differences. Pressure may be adequate at lower elevation, but inadequate at higher elevation.</p> <p>Policy controlled by individual, private systems rather than publicly-owned system.</p> <p>Policy inconsistent with most WA Group A water systems.</p> <p>Benefits small group of customers. Costs borne by majority of customers that will not likely benefit from improvements.</p> <p>Pump station adds ongoing operation and maintenance costs indefinitely into the future.</p>	<p>Under Consideration</p>
<p>2B - Capital Projects Accommodate Legacy Systems</p>	<p>Provides policy justifying pump replacement financed by District</p>	<p>Financial and labor resources costs unknown. Potential system improvements not included in current CIP and long-term rate plan.</p> <p>Significant effort to study and understand consequences that impact other areas of the District required to draft policy.</p> <p>May restrict flexibility of future projects in designing to projected capacity needs.</p> <p>Pump station add ongoing operation and maintenance costs indefinitely into the future.</p>	<p>Under Consideration</p>
<p>2C - Booster Station Replaced by Rate Surcharge on Benefiting Customers</p>	<p>Provides policy justifying pump replacement financed by District</p>	<p>District finances upfront costs of project.</p> <p>District administration of surcharge specific to Eagleridge customer accounts.</p> <p>Pump station adds ongoing operation and maintenance costs indefinitely into the future.</p> <p>Pump station only benefits higher elevation properties. Lower elevation properties will see little to no benefit.</p>	<p>Under Consideration</p>