# City of Bend
# Infrastructure Advisory Committee (IAC)

## November 8, 2010 IAC recommendation regarding City's surface water system treatment:

The IAC recommends that the Council approve membrane filtration water treatment for the surface water source. The IAC identified the following key benefits associated with membrane filtration:

- Provides a more reliable surface water supply that reduces risks, accommodates long-term regulatory compliance needs and supports economic development.
- Reduces time when surface water system needs to be shut down due to turbidity.
- Ensures that surface water source can be used after a fire in the watershed.
- Provides opportunity to utilize the $10 million Collaborative Forest Landscape Restoration Grant and implement a more robust forest management program to reduce fire risk in the watershed.

In addition, the IAC recommends that the structural elements that are needed for post and pre treatment be built with the initial construction, omitting the installation of the mechanical systems associated with pre and post treatments. However, the IAC recommends that the mechanical systems associated with pre and post treatment be included in the initial construction if project cost savings are realized. If the mechanical systems for pre and post treatment are not installed during initial construction, then the city should:

- Ensure adequate reserves are maintained in the Water Fund to allow the prompt installation of the additional treatment measures in the event of an emergency.
- Incorporate the additional treatment measures into the Water Capital Improvement Program (CIP) with a reasonable timeline set for installation, rather than waiting for a fire to occur.

To sum up, the IAC recommends the following:

1. **The Council should approve membrane filtration water treatment for the surface water source.**
2. **The structural elements that are needed for post and pre treatment should be built with the initial construction, omitting the installation of the mechanical systems associated with pre and post treatments.**
3. **The mechanical systems associated with pre and post treatment should be included in the initial construction if project cost savings are realized.**
4. **If the mechanical systems associated with pre and post treatment are not installed during initial construction the city should ensure prompt installation by maintaining adequate reserves and incorporating the pre and post treatments in the Water Capital Improvement Program.**

This recommendation assumes that the rate model includes the reserve funds needed to install the pre and post treatment and that the rate impact has been considered.