

# Alternative Evaluation Criteria Tryon Creek Wastewater Treatment Plant Facilities Plan

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DATE: September 12, 2012  
PROJECT NUMBER: 432805.03.30.15.23

## Scope of Work

Develop a rating system for evaluation of the developed alternatives based on asset management principles. Develop criteria and weighting factors to be used to evaluate the 'whole plant' alternatives. Criteria could include construction cost, life cycle cost, carbon footprint, flexibility to meet future regulatory criteria, ability to address existing land use review criteria and emerging Foothills planning criteria, state and federal permitting requirements, phase-ability, and other criteria.

## Objectives

This technical memorandum (TM) is intended to document the evaluation criteria developed by the Project Team with input from the Citizen's Advisory Committee (CAC) and endorsed by the Oversight Committee. These criteria were derived from the Vision and Guiding Principles, which were developed as part of the CAC process.

## Alternative Evaluation Criteria

The criteria are grouped under the five guiding principles. These criteria will be utilized to evaluate the whole-plant alternatives, along with capital and life cycle cost criteria.

### Protect Public Health

- Utilizes appropriate technology to safeguard public health.
- Ensures the safety and well being of employees, visitors, and neighbors.
- Does not impact emergency planning in a fashion that would place extraordinary demands on TCWTP facilities, operations, personnel, and the community.

### Practice Environmental Stewardship

- Provides an example of environmental stewardship, demonstrating leadership and accountability in every aspect of TCWTP development and operations.
- Meets permit requirements and regulatory compliance standards which are designed to protect people and the environment.
- Allows for participation in watershed-based planning and permitting for regulatory compliance, when greater environmental benefits are realized.
- Protects the water quality of Tryon Creek and the Willamette River.
- Conserves, recovers and reuses resources. Incorporates energy-efficient TCWTP operational aspects.
- Promotes sustainable practices; applies "green building" design standards, construction methods, and materials.

- Minimizes the use of hazardous chemicals, toxic substances, paint, etc. by substituting less harmful chemicals.
- Seeks partnership opportunities with the community to inform and educate the public. Such opportunities could include a center for water resources education, interpretation and training, interpretative displays and signage, along with educational programs.
- Promotes and/or facilitates education of customers on steps they can take to improve TCWTP's environmental performance.
- Incorporates the use of reclaimed water, onsite and in the community, to conserve potable water supplies. Increases public awareness that "water is water."
- Proactively plans for TCWTP's compliance with increasingly stringent regulatory requirements.

### **Be a Good Neighbor**

- Seeks partnership opportunities to use a TCWTP water resources education center as a community resource.
- Controls off-site nuisance odors and noises.
- Provides a pleasing setting that supports neighborhood livability.
- Incorporates visual mitigation that results in facilities that complement their setting, or screens them from adjacent neighborhoods and natural areas.
- Minimizes negative impacts of TCWTP's development and construction on surrounding neighborhoods.
- Links TCWTP with trails, recreational facilities and programs along the Willamette River and Tryon Creek.
- Encourages avenues of communications and dialogue with TCWTP neighbors and the community.
- Promotes community partnership by inviting community input on TCWTP projects, facilities and operations, and by retaining the CAC to provide independent review and guidance.

### **Provide Value to Ratepayers**

- Provides cost-effective service at a price that is comparable with well-run peer facilities.
- Advances awareness among customers, policymakers, and citizens of TCWTP and the value to the community of the services it provides.
- Promotes management of TCWTP assets and resources in a manner that protects the rate payers' investment in the infrastructure.
- Encourages research and innovation that pursues efficiency and continuous operational and/or technological improvement.
- Maintains flexibility to meet changing operational and regulatory requirements, and accommodate future community growth.

### **Achieve Outstanding Operational Performance**

- Supports TCWTP's prominent role as a critical and enduring community asset, and facilitates management in a consistent fashion.
- Furthers TCWTP's commitment to excellence by ensuring exemplary operational performance.
- Promotes employee excellence through innovative thinking, training, teamwork and professional dedication of the workforce.
- Encourages a safe, positive, and productive place to work.
- Provides for TCWTP performance consistent with established benchmarks.