

Summary Meeting Notes

Tryon Creek Wastewater Treatment Plant Facilities Plan CITIZENS ADVISORY COMMITTEE

October 11, 2012

4:00 – 6:00 pm

Lake Oswego Point Condominiums

CAC MEETING NO. 6

CAC in attendance: Mary Beth Coffey, Dave Gooley, Al Iverson, Harvey Lockett, Rich Martin, Kara Warner

Staff in attendance: Jim Brown, Paul Suto, David Allred, Steve Behrnt, Tuong Nguyen, Scott Gibson/BES; Guy Graham/City of Lake Oswego; Michelle Burkhart, Dave Green/CH2M HILL; Linda Macpherson/New Water ReSources

Visitor: Lake Oswego City Councilor Jeff Gudman

Linda Macpherson/Facilitator began the meeting at 4:04 pm

Linda reviewed the agenda. This is the final meeting that is intended to convey a series of presentations that form the background needed to understand the whole plant alternatives. Providing this information has laid the foundation for choices that will be made when the alternatives are presented. The information provided in the prior sessions is a means to allow the CAC to think through the choices.

Condition Assessment Map:

Dave Green described the condition assessment map that was developed in response to a CAC request to graphically present the information from the Condition Assessment technical memorandum. Dave explained that the outlines of the structures are specific to the structure, and the fill within the structure is specific to the mechanical/electrical equipment. The condition designated is really an attempt to capture the level of investment required over the 30 year planning horizon. David will distribute to CAC electronically.

Flow/Load evaluation and Capacity Assessment

Michelle Burkhart provided information on the flows the plant has to handle and noted that these flows address seasonal changes as well as different levels of flow during the day. In short, flows and loads = what we are going to ask the plant to do. To make these determinations, the team must access very sophisticated modeling and must look at both biological and hydrologic models. The basis of the flow projections came from BES and Lake Oswego and is tied back to comprehensive land use planning.

Projected flows and loads represent dry weather conditions. Some conclusions are that:

- Dry weather capacity is adequate for 2040 flows and loads.
- Plant does not have enough capacity to manage peak wet weather flows
- Peak flow projections assume worst-case I/I conditions.

Michelle reviewed the capacity and shortfalls of each unit process and noted particularly hydraulic shortcomings in disinfection and outfall facilities due to high river levels, including the impacts of the 1996 floods.

Question from the CAC:

How do the collection system and I/I assumptions in the collection system affect these capacity issues at the treatment plant? Decisions have been made within the collection system for both Lake Oswego and BES that manage I/I to the degree possible. Ability to further reduce the impact of I/I at the treatment plant is pretty limited. There is only about a 10% swing in possible flow scenarios at the treatment plant.

Dave described how the capacity assessment fits into the Facilities Planning and Values and Guiding Principles.

Levels of Service

Paul Suto described how asset management concepts will be incorporated into the Facilities Planning decision process. He also reviewed how the BES strategic Levels of Service align with TCWTP Vision and Guiding Principles. The intent of the presentation was to walk through the differences in terminology to show how it allows for prioritization of projects. Risk is defined as the consequence of failure times the likelihood of occurrence. The goal is a risk based and transparent process.

Jim Brown provided an overview of the Tactical Levels of Service (LOS) specific to the TCWTP Facilities Planning work. These LOS define the minimum criteria for each alternative that will be considered as part of the Facilities Planning. This analysis brings in the requirements of the regulatory memo, the plant's permit, the previous enhancement planning, land use requirements, and the goals and guiding principles.

Questions from the CC:

Question: Does the tactical level of service that allows for the ability to recover phosphorous simply mean that space will be allocated on the site? Yes.

Question: How do the tactical levels of service align with the strategic levels of service? The tactical levels of service fall generally under the strategic levels of service. Steve Behrndt described is a pyramid where the larger number of specific, tactical levels of service support the higher, and smaller, number of strategic levels of service which then further support BES's overarching mission.

Alternative Evaluation Process

Linda described the alternative evaluation process. She noted that the intent of the process is to give attention to both the goals and guiding principles (evaluation criteria) and also the factual basis of the materials submitted. Conducting the process will be the foundation for the recommendations that are provided to the Oversight Committee and ensure that the choices recommended rely on information and value-based choices. She described the different handouts and asked the CAC members to weight the five key criteria. The weighting process handout will be utilized if the group decides that weighting of the evaluation criteria is necessary to make a final determination between two close alternatives. It will be a way to make a trade-off and recommendation to the OC.

She explained how the alternatives would be ranked. This process provides an analytical methodology to support the CAC's decision process. The process will be facilitated so that each CAC member can share their perspectives as well as understand other's opinion. The project team will provide their ranking to the CAC for their consideration as well. The approach is designed to be both technically sound but also one that is useful in facilitating dialogue between the team members. The dialogue is anticipated to provide insights in a deliberative and structured environment.

This process will provide a basis for communicating the rationale of the recommendations to both the OC and to the community at Open Houses.

Upcoming Meeting

The CAC will not meet during November and December. Steve asked about interest in tours, either onsite or virtual tours. Rich had expressed interest in tours, but indicated that the tours might be more valuable once the CAC had a chance to take a look at the alternatives. Steve suggested that the Project Team might present virtual tours that include photos and aerial views. This might be a more efficient use of the CAC's time.