West Point Treatment Plant Half-century Evaluation
Presentation to MWPAAC
June 28, 2017
Drivers for Project

- Feb. 9 West Point event generated interest in:
  - Half-century evaluation of changes in West Point operating context and relationship to facility operations
  - How West Point is positioned for coming decades

- Council approved Motion 14882 on June 12, 2017
Overview of Motion

- Identify recommendations for system improvements or upgrades for future
- Report to Council 180 days after Independent Assessment delivered to Council
Scope of Work

Review and evaluate:

- Changes in operating context:
  - Population, growth patterns
  - Impermeable surface
  - Climate change impacts to weather patterns and flow
  - Regulatory requirements
  - Concern about water quality
  - Industrial wastewater flow
  - Toxic levels from outdoor urban surfaces
- How well positioned West Point is to meet these changes
Scope of Work Continued

- Current and projected capacity
- Changes in wastewater treatment technology
- Treatment plant capital development constraints
  - Functional
  - Design
  - Engineering
  - Land-based limitations
- System vulnerabilities and other operations and management concerns
Elements to be Included in Project

- RWSP Comprehensive Review
- Capacity assessments
- Study from UW Climate Impacts Group
- Independent Review of West Point

- Project will be performed in conjunction with *Treatment Plant Flows and Loadings Study*
Anticipated Deliverable

- Report:
  - Summarize review and evaluation
  - Identify and recommend improvements to position West Point Treatment Plant for future
## Anticipated Schedule

<table>
<thead>
<tr>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contract/scope</td>
<td>Conduct evaluation and identify recommendations</td>
<td>Draft Report to WTD</td>
<td>Develop final report and review process</td>
<td>Final Report to KC Council</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Questions?

Tiffany Knapp
Water Quality Planner/Project Manager
Comprehensive Planning

tiffany.knapp@kingcounty.gov
206-477-5200