

# Water System Plan Review Topics

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Presentation by: SPU and DOH

Seattle Operating Board Meeting  
February 7, 2013

# Objective of Today's Presentation

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- 🔥 **WAC requirements**
- 🔥 **ALOP and Pre-Plan meeting**
- 🔥 **Topics DOH focuses on for SPU wholesale customer WSP submittals**
- 🔥 **Coordination with Seattle Public Utilities (SPU)**

# WAC Planning Requirements

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- 🔥 Requirements spelled out in WAC 246 290 100.
- 🔥 Greater than 1,000 connections have requirement to do planning document every 6 years.
- 🔥 WAC 246 290 100(3) provides DOH and utility flexibility as to scope and content of WSP.

# Appropriate Level of Planning (ALOP)

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- 🔥 ALOP is a function of point-in-time assessment of a system's capacity determination.
- 🔥 Assess technical, managerial and financial requirements.
- 🔥 Incremental planning approach; allows focus of limited resources/energy to meet utility's most important issues.
- 🔥 How DOH has always conducted business in NWRO.
- 🔥 Starts with Pre-Plan meeting.

# Pre-Plan Meeting

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- 🔥 **Determination of WSP scope based on complexity of utility and identified needs in planning period.**
- 🔥 **Discuss regulatory changes from DOH perspective.**
- 🔥 **Start with Pre-Plan Agenda and WSP Content Checklist.**

# Focus of Review for SPU Wholesaler WSPs

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- 💧 **Municipal Water Law (MWL) and Local Government Consistency**
- 💧 **Demand Forecast**
- 💧 **Water Use Efficiency**
- 💧 **Supply Capacity**
- 💧 **Water Quality Sampling Plans**
- 💧 **Capital Improvement Program (CIP)**

# DOH Focus – MWL/Local Government Consistency

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- 💧 **Municipal Water Law (MWL) – biggest recent change in regulatory structure that dictates what is in WSP.**
- 💧 **Purveyor must obtain local government consistency from local land use authority (i.e., cities and King County).**
- 💧 **Recommend purveyor invite County representative to pre-plan meeting (or separate meeting).**
- 💧 **Purveyor must receive regulatory approval from land use Authority and DOH.**

# DOH Focus – Demand Forecast

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- 💧 **Three major components: current use, DSL and forecasted demands.**
- 💧 **Include historical data and clearly describe approach for forecasts.**
- 💧 **Look at 6 and 20 year forecast; consider other planning horizons.**
- 💧 **Show forecast with and without water use efficiency savings assumptions.**



# DOH Focus – WUE Goal and Program

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- 💧 **Water Use Efficiency (WUE) is another MWL requirement.**
- 💧 **All part of SPU Regional Conservation Program. This is your minimum requirement. Describe what this means to you.**
- 💧 **Include information on additional program elements your utility has added on top of the regional program.**
- 💧 **SPU Regional Conservation Program requires your understanding and coordination with SPU.**
- 💧 **WLCAP required if DSL > 10%.**

# DOH Focus – Supply Capacity

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- 💧 Answer question is water supply available to meet forecasted demand?
- 💧 Clearly describe volumes allowed/available per SPU Contract.
- 💧 If you show a deficiency, provide solution in CIP.
- 💧 Red flag if deficiency identified and no solution provided.

# DOH Focus – WQ Sampling Plans

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- 🔥 Indicate if you are part of SPU regional monitoring plans.
- 🔥 Identify the parameter you are sampling for and who responsible for collection (either utility or SPU staff).
- 🔥 Focus on the following parameters:
  - Coliform
  - DBPs
  - Lead and Copper
- 🔥 Describe how results/information is shared and how notification is coordinated if necessary.

# DOH Focus - CIP

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- 💧 **Identify 6-yr and 20-yr Capital Improvement Program (CIP).**
- 💧 **Look to see if deficiencies identified in system analysis section are carried through to CIP.**
- 💧 **Supply – if you need additional volume or connection to regional system, coordinate with SPU before submittal.**
- 💧 **Storage – Conduct analysis; storage not typically allowed from regional system.**

# DOH Review and Approval Process

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- 💧 3 hard copies preferred.
- 💧 90 day review period.
- 💧 Must include signed consistency checklists.
- 💧 Include review and comments by adjacent purveyors; better to do this early before submittal to DOH.
- 💧 King County adoption ordinance required.
- 💧 DOH sends approval letter after comments are adequately addressed and County ordinance is received (which may take months).

# DOH Summary

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- 🔥 **WAC Requirements**
- 🔥 **Planning Process (ALOP)**
- 🔥 **Elements DOH Focuses on for Review of SPU Wholesaler WSPs**

# Scope of SPU Review of WSPs

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- ◆ **Focus on our role/responsibility as wholesaler:**
  - **WUE Goal and Regional Water Conservation**
  - **Major Differences in Demand Forecast**
  - **Water Quality Sampling and Testing**
  - **Miscellaneous Contract & Water System Items**
    - **Contract Terms and Conditions**
    - **Transmission System and Storage**
    - **SPU Water Rights and Water Supply**
    - **Water Shortage Contingency Plan**
    - **Currency of Regional Water System Information**

# Scope of SPU Review of WSPs

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- 💧 Seattle as water planning agency
- 💧 SPU as adjacent purveyor
- 💧 SPU as partner with wholesale customers



# Scope of SPU Review of WSPs

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## COMMON COMMENTS

- 💧 Inconsistencies with WUE Goal
- 💧 Questionable assumptions for conservation savings in demand forecasts
- 💧 Outdated conservation measures
- 💧 Use of SPU storage as standby
- 💧 Outdated WSCP and WQ Monitoring Plans

# SPU Summary

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- 💧 Contact us early in WSP development.
- 💧 Consult SPU's latest WSP:  
[www.seattle.gov/util/WaterSystemPlan](http://www.seattle.gov/util/WaterSystemPlan)
- 💧 Send review draft prior to submittal to DOH
  - Deliver to SPU Planning Manager, Joan Kersnar
  - Electronic files preferred
- 💧 Follow-up with final, approved WSPs.

# Poll for Upcoming WSPs

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- 🔥 Which WSPs will be released in 2013-2014?
  - Release of Draft Planned?
  - Pre-Plan Meeting Completed?
  - Pre-Plan Meeting to be Scheduled?

# Questions

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# Contact Information:

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