

Plan Review 101

Silver Falls

April 21, 2015

Silver Falls, OR



Overview

- Plan review process
- Role of County/Dept of Ag staff
- Typical “challenges”
- Questions & answers

Plan review process

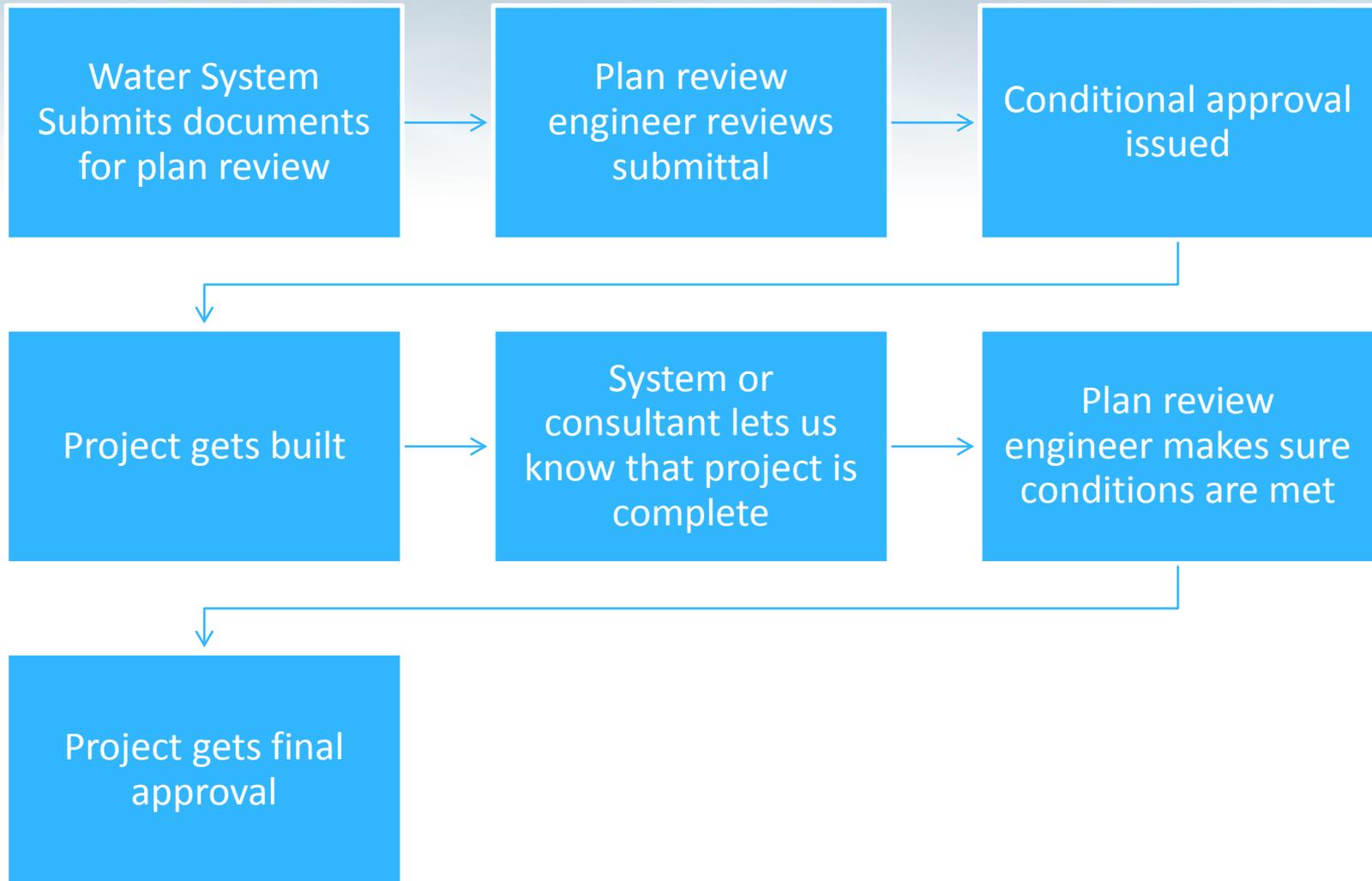
- What is plan review?
- When is plan review required?'
- Fees?

Plan review process

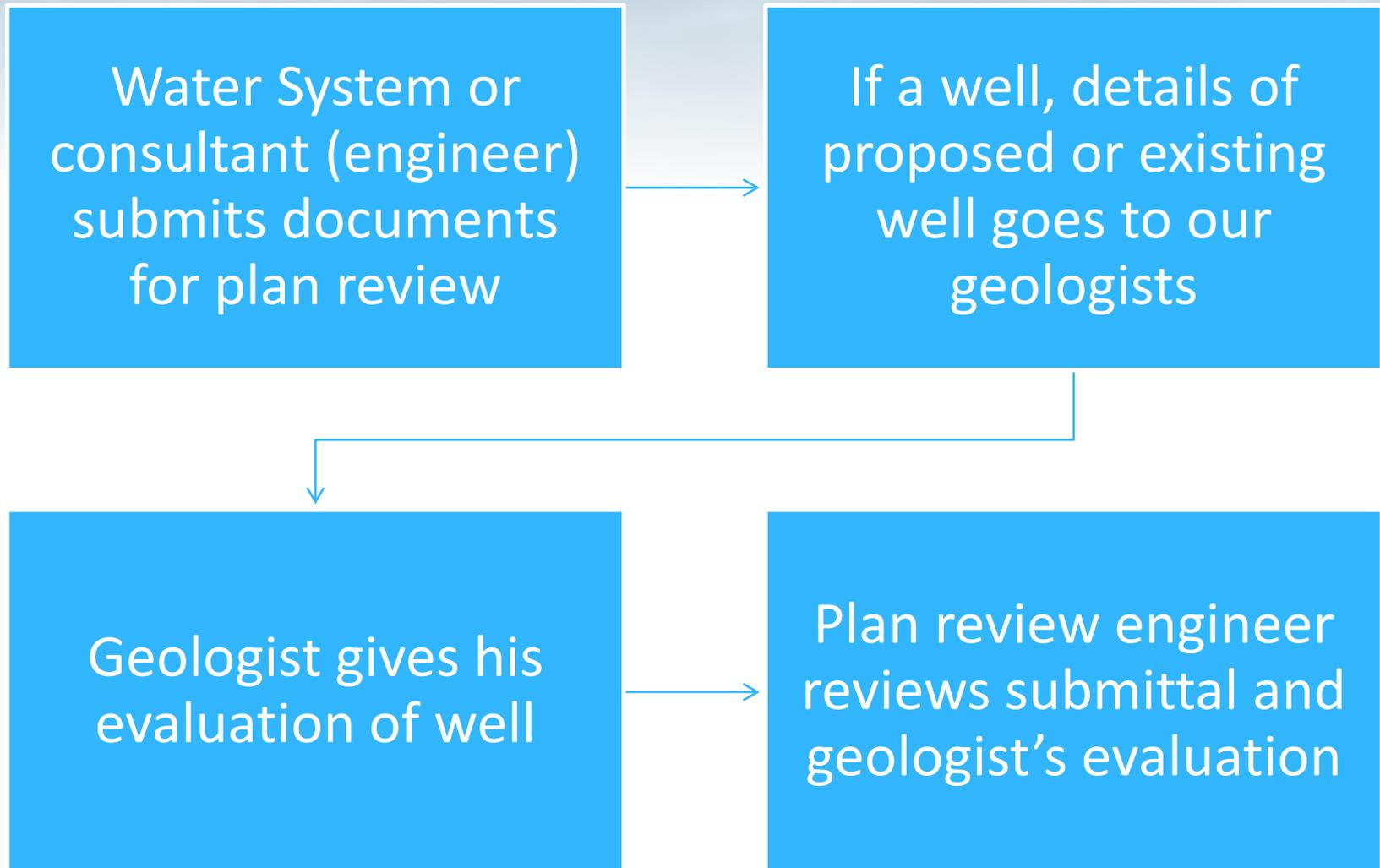
Table 1. Plan Review Fee Schedule

Nature of Plan	Community Water System	Non-Community Water System
Water Source	\$600	\$150
Water Treatment (full)	\$600	\$150
Disinfection only	\$150	\$45
Corrosion Control only	\$150	\$45
Distribution & Storage:		
Distribution only	\$600	\$150
Storage only	\$600	\$150
Combination two or more	\$750	\$150
Master Plan	\$750	\$150
Corrosion Control study	\$750	\$150
As-built plans & certification statement	No fee if original plans reviewed	

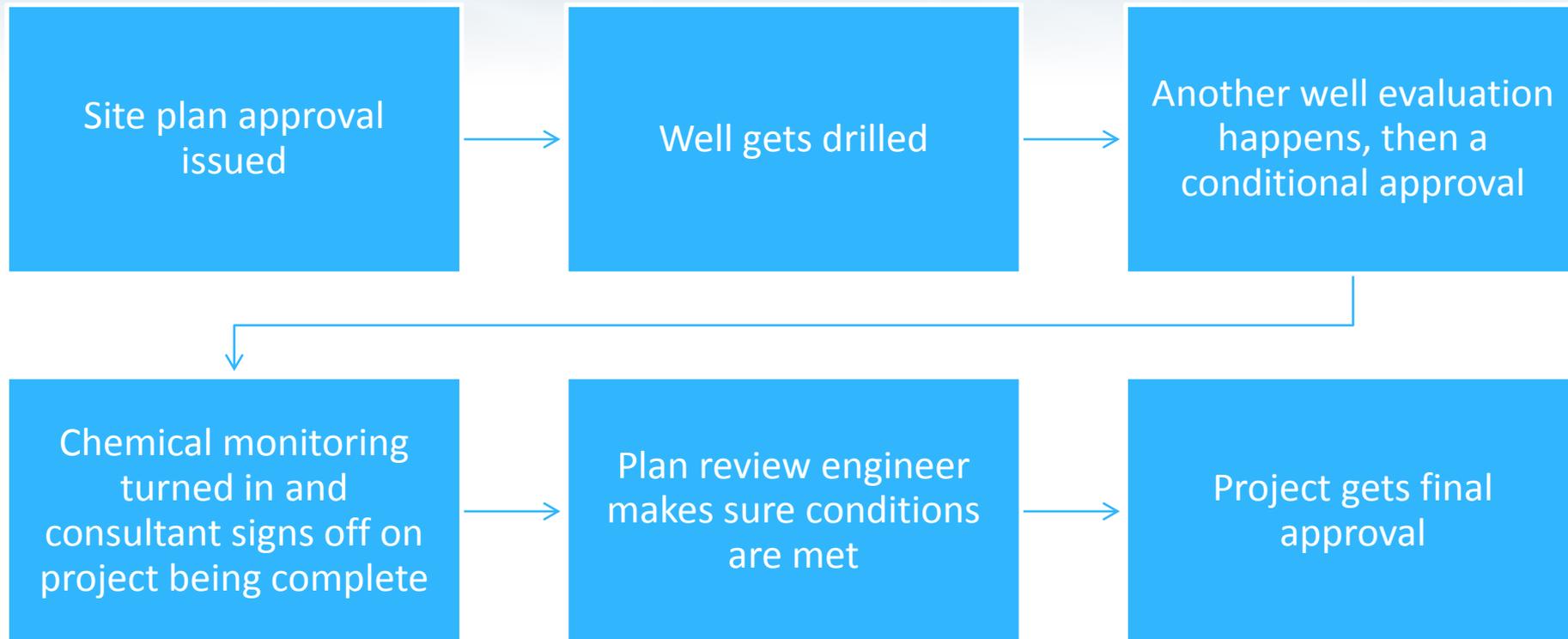
Plan Review Flowchart - General



Plan Review Flowchart - Well



Plan Review Flowchart - Well



Plan Review Process

- Conversation can start during surveys
- There are packets available

- Monitoring & Reporting ▶
- Operator Certification ▶
- Plan Review ▶
- Rules & Implementation Guidance ▶
- Water System Operations ▶
- Advisory Committee



Contact Us

Drinking Water Services
Center for Health Protection

Plan reviews are mandated by [OAR 333-061-0060 \(pdf\)](#), and must be submitted to and approved by Drinking Water Services before construction of a new system or major additions or modifications to existing systems can occur. View the [Water System Plan Review Requirements \(PDF\)](#) for more details. Resources related to plan review requirements are listed below:

- **Fee Schedule:** See [Table 1](#) for the schedule of plan review fees. All appropriate fees are required to be submitted before the plan review process can begin. Please make checks payable to "OHA Drinking Water" and mail all plans, required information and fees to the address below:

Attention: Plan Review
OHA Drinking Water Services
800 NE Oregon St, Ste 640
Portland, OR 97232-2162

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- **Land Use Statement:** Certain plan review approvals for drinking water projects affect land use with city and county comprehensive plans and land use regulations. [Download the land use form \(pdf\)](#).
- **Plan Review Information Packages:** The [Water System Plan Review Requirements \(pdf\)](#) (mentioned above) is a document generic to all plan reviews. To provide more focused assistance, especially for submitters having little or no experience with the plan review process, Drinking Water Services is developing "information packages." These packages are provided below:



Packages available

- **Plan Review Information Packages:** The [Water System Plan Review Requirements \(pdf\)](#) (mentioned above) is a document generic to all plan reviews. To provide more focused assistance, especially for submitters having little or no experience with the plan review process, Drinking Water Services is developing "information packages." These packages are provided below:
 - [New Well Instructions \(pdf\)](#): Plan review submittal information for new wells along with a description of the plan review process are available in [short \(pdf\)](#) and [long \(pdf\)](#) versions in New Well Instructions. For specific rule requirements, see [OAR 333-061-0050\(2\)\(a\) \(pdf\)](#).
 - [New Disinfection Instructions \(pdf\)](#): Plan review submittal information for new disinfectant systems (chlorine, mixed oxidants, ozone, chlorine dioxide) along with a description of the plan review process are available in [short](#) and [long](#) versions in New Disinfection Instructions. For specific rule requirements, see [OAR 333-061-0050\(5\) \(pdf\)](#).
 - [Storage \(Reservoirs\) Instructions \(pdf\)](#): Plan review submittal information for Storage Reservoirs along with a description of the plan review process are available in [short \(pdf\)](#) and [long \(pdf\)](#) versions in Storage (Reservoirs) instructions. For specific rule requirements, see [OAR 333-061-0050\(6\) \(pdf\)](#).
 - [Distribution System Improvements Instructions \(pdf\)](#): Plan review submittal information for Distribution System Improvements along with a description of the plan review process are available in [short \(pdf\)](#) and [long \(pdf\)](#) versions in Distribution System Improvements instructions. For specific rule requirements, see [OAR 333-061-0050\(7,8\) \(pdf\)](#).
 - [Corrosion Control Treatment Instructions \(pdf\)](#): Plan review submittal information for Corrosion Control Treatment along with a description of the plan review process are available in Corrosion Control Treatment instructions. For specific rule requirements, see [OAR 333-061-0034 \(pdf\)](#) and [OAR 333-061-0050 \(pdf\)](#).

Plan review process

- Conversation can start during surveys
- Time frame (generally)
 - Factors that can affect the time frame
 - Time limit?
- May be asked to do site visit during plan review process

What role does County/Ag staff have?

- In preparation for a survey, check Data Online
- Plan review link
 - How far back this goes
 - Can call your state tech staff person

What role does County/Ag Staff have?

- So, you are doing a survey and...
- You know they have Source AA



County/Ag Staff role

- Oh, you have two wells now?



Source AA



Source AB?

County/Ag Staff role



County/Ag Staff role

- ID the deficiency during the survey

County/Ag Staff role

Plan Review/Master Plan

- | Yes | No | |
|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | ● Have all major modifications (since 8/21/81) been approved by DWP? |
| <input type="checkbox"/> | <input type="checkbox"/> | Does system have a current plan review exemption for water main extensions? |
| <input type="checkbox"/> | <input type="checkbox"/> | ● Does the system have a current (<20 yr. old) master plan? (<input type="checkbox"/> Not required if < 300 connections) |
| | | What year was the plan completed? <input type="text"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | Does the master plan include a water conservation plan? |

Management

- | Yes | No | |
|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | PWS constructed before 8/21/81 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | ● Plan review approval <input type="checkbox"/> N/A |
| <input type="checkbox"/> | <input type="checkbox"/> | ● Emergency Response Plan |
| <input type="checkbox"/> | <input type="checkbox"/> | ● Operations and maint. manual |
| <input type="checkbox"/> | <input type="checkbox"/> | ● PNC or out of compliance with AO |
| <input type="checkbox"/> | <input type="checkbox"/> | ● Public notice not issued as required |
| <input type="checkbox"/> | <input type="checkbox"/> | ● Distribution: Required backflow devices tested annually <input type="checkbox"/> N/A |

Interesting challenges?

- Not everything is disclosed
- Not everything is in place when well is approved
- Maybe pre-1981?
- Setbacks come up at surveys!

Interesting challenges!

- Setbacks to hazards are a frequent issue
 - Sewer lines
 - Drainfields
 - Chemical storage
 - Emergency fuel storage
 - Bioswales
 - Other things we deem public health hazards

“Helpful” Hints

- You are the first contact with the system on plan review – consider bringing along a plan review packet or two
- During surveys, let systems know about plan review prior to construction – saves some headaches
- Plan review can get messy
- Our plan review engineers can answer your questions

Q/A



Thank you!

Carrie Gentry, PE

OHA Drinking Water Services

Phone: 971-673-0191

Carrie.L.Gentry@state.or.us

www.healthoregon.org/dwp

