

Sewer and Water Utilities Capital Improvement Program Update



Pierce County Sewer & Water Utilities

Tim Ramsaur, PE
Wastewater Utility Manager
Public Works & Utilities

Presented to the Pierce County Council
August 28, 2012

Presentation Overview

Chambers Creek Regional WWTP Expansion



Sewer & Traffic Operations Facility



Cascadia /Tehaleh WWTP



Image courtesy Newland Communities



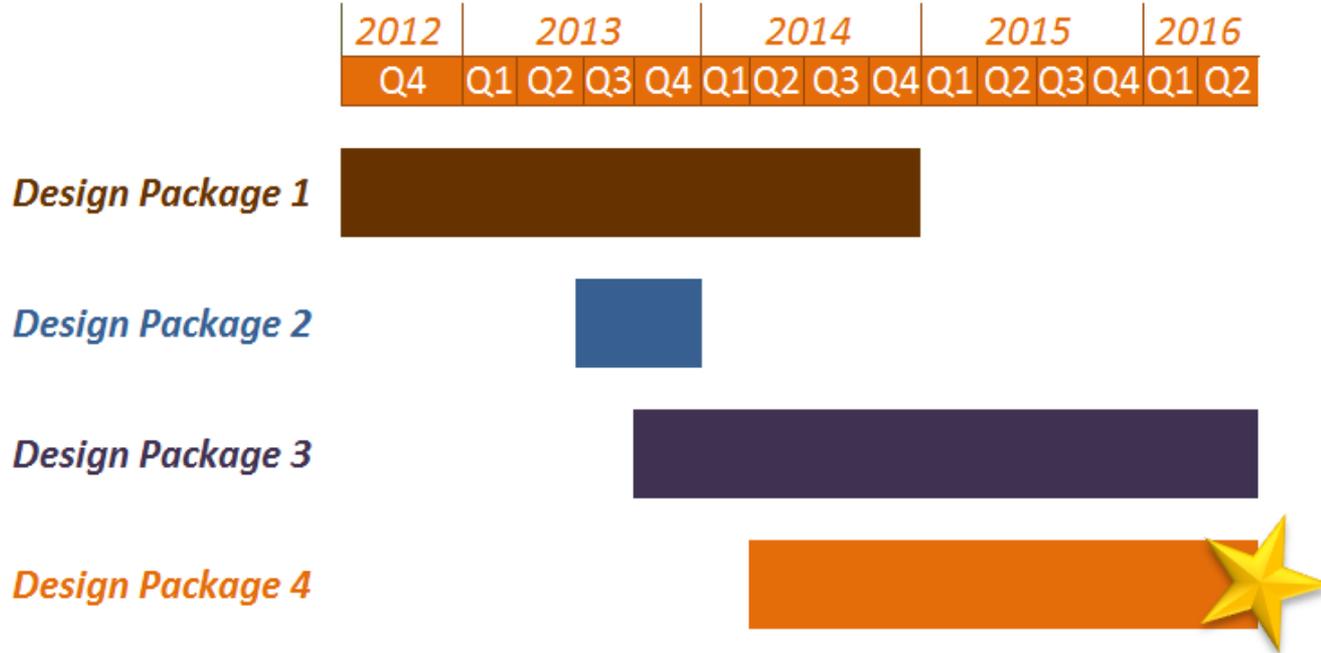
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Wastewater Treatment Plant Expansion





Wastewater Treatment Plant: Construction Schedule





Wastewater Treatment Plant: Project Budget

May Budget Totals	Current Budget Totals	Item
\$ 42.3 million	\$ 42.9 million	Design Phase
\$ 6.1 million	\$ 4.8 million	Permits (All State, regional and local)
\$ 33.1 million	\$ 31.2 million	Construction Support
\$ 237.8 million	\$240.2 million	Construction
\$319.3 million	\$319.1 million	Sub Total
\$33.9 million	\$ 34.2 million	Contingencies
\$353.2 million	\$ 353.2 million	Total



Wastewater Treatment Plant: Recent Milestones



- DOE approved Design Report
- SWU granted Delegated Review Authority by DOE
- Interlocal Agreement Approval Schedule:
 - Approved by UP City Council August 20
 - PC Council review August 28, 3:00pm
- Bond sale completed and ratings received
- Pursuing \$13 Million PWTF Loan



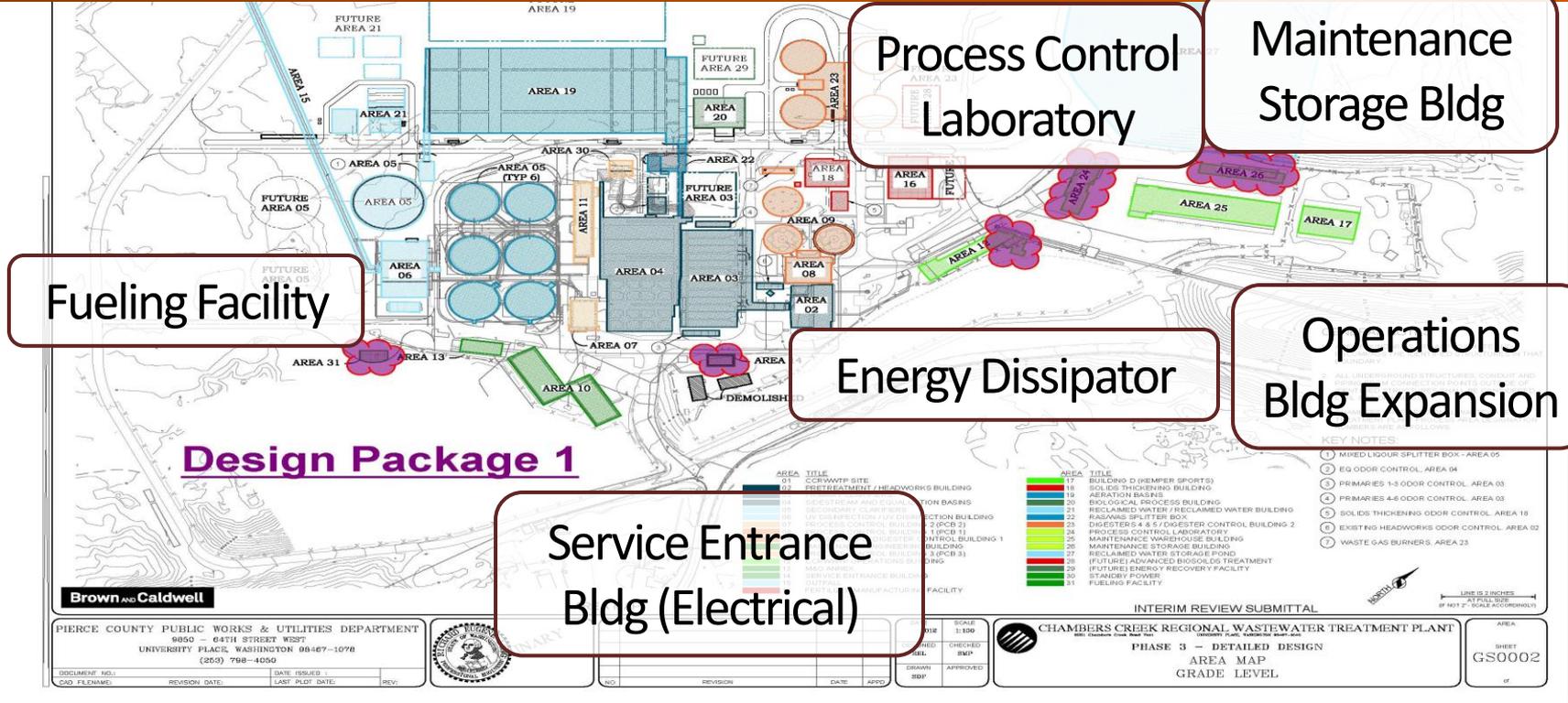
Bonds

Bond Interest Rates	Percentage
Original Financial Model (Projected)	5.5%
2010 Bond (Actual)	3.22%
2012 Bond (Actual)	3.589%
2014 Bond (Projected)	4.35%

- Bond Issues projected to match Capital Facility Plan funding
- 2012 Bond Issue within existing sewer rate structure
- Strong Bond ratings re-affirmed



Wastewater Treatment Plant: Design Package 1

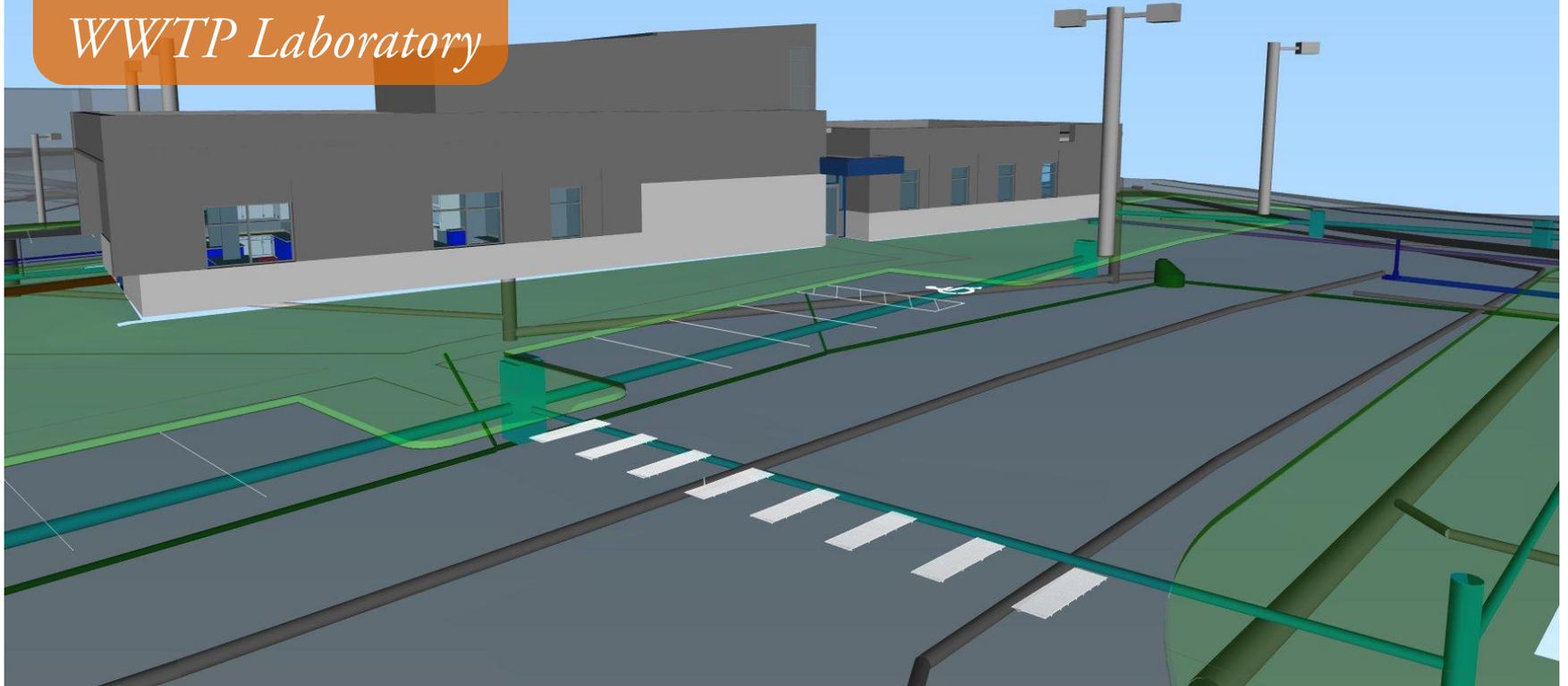




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Wastewater Treatment Plant: Design Package 1

WWTP Laboratory





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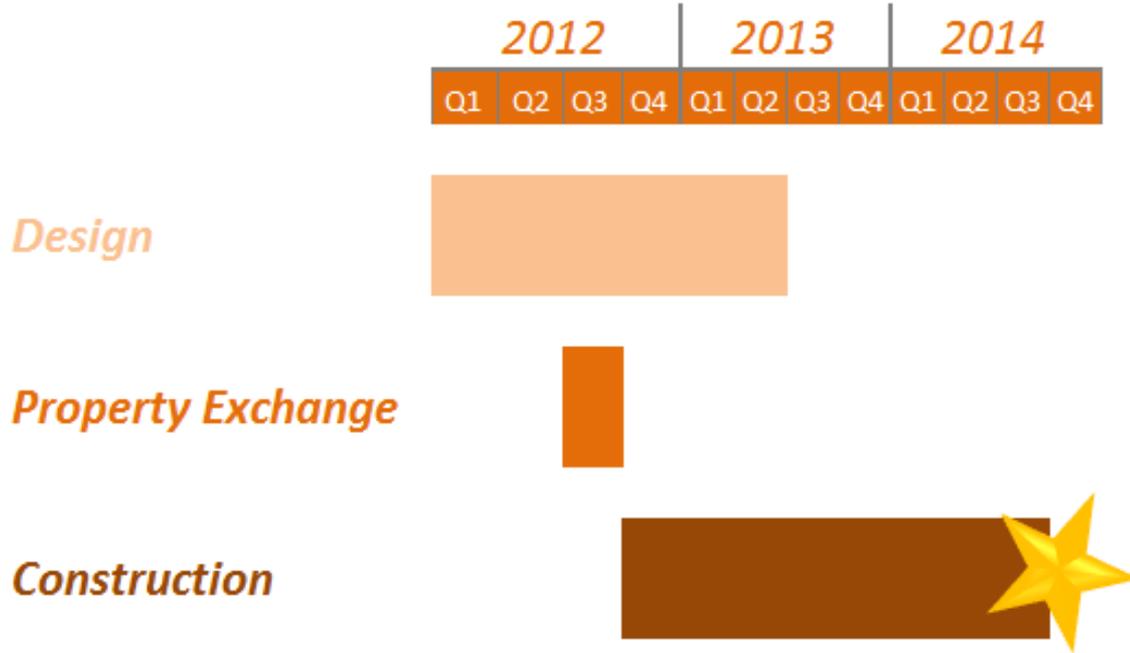
Sewer & Traffic Operations Facility



TCF  Architecture



Sewer & Traffic Operations Facility: Project Schedule





Sewer & Traffic Operations Facility: Project Budget

Budget	Item
\$ 3.6 million	Design Phase
\$ 0.2 million	Permits (All State, regional and local)
\$ 2.0 million	Construction Support
\$ 38.2 million	Construction
\$ 44 million	Sub Total
\$ 4 million	Contingencies
\$ 48 million	Total



Sewer & Traffic Operations Facility: Project Details



- 28 acre site
- Six buildings
 - Workshops
 - Vehicle/equipment storage
 - Offices
- 150 Employee Capacity
- LEED Gold Design
- Trail Connection



Sewer & Traffic Operations Facility: Trail Connection



- Connects Pipeline Road to Heritage Trail System
- Separated path along 122nd Street E
- Pervious asphalt trail
- Complete missing link in Heritage Trail System



Sewer & Traffic Operations Facility: Land Swap



- Benefits of land swap with Woodworth Capital, Inc.
- Permanent easement allows county access to maintain stormwater facility
- Pierce County receives land value + easement + \$82,000 for a successful land swap



Sewer & Traffic Operations Facility: Benefits



- Centralized location provides faster response times to service and emergency calls
- Reduced fuel consumption and emissions by county vehicles
- Cost savings from shared resources and space
- Operational cost savings due to LEED Gold design



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Cascadia (Tehaleh) WWTP Project



Image courtesy of Newland Communities



Preliminary Cascadia (Tehaleh) WWTP Project Schedule

2012				2013				2014				2015				2016			
Q1	Q2	Q3	Q4																

Development Agreement



Interim Treatment

Selection / Installation



Stage 2 WWTP Design/ Facility Plan



Stage 2 WWTP Construction





Cascadia (Tehaleh) WWTP: Project Updates

Image courtesy of Newland Communities



WWTP Design

- Newland contracted for design with Kennedy/Jenks Consultants
- County, Newland, and K/J partnering to design WWTP with lowest life cycle costs
- Newland's total costs could reach \$15M to \$20M



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Questions?

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Pierce County Public Works & Utilities

