

# Portland Water Bureau

## Briefing for the Portland Utility Board Capital Improvement Program Update

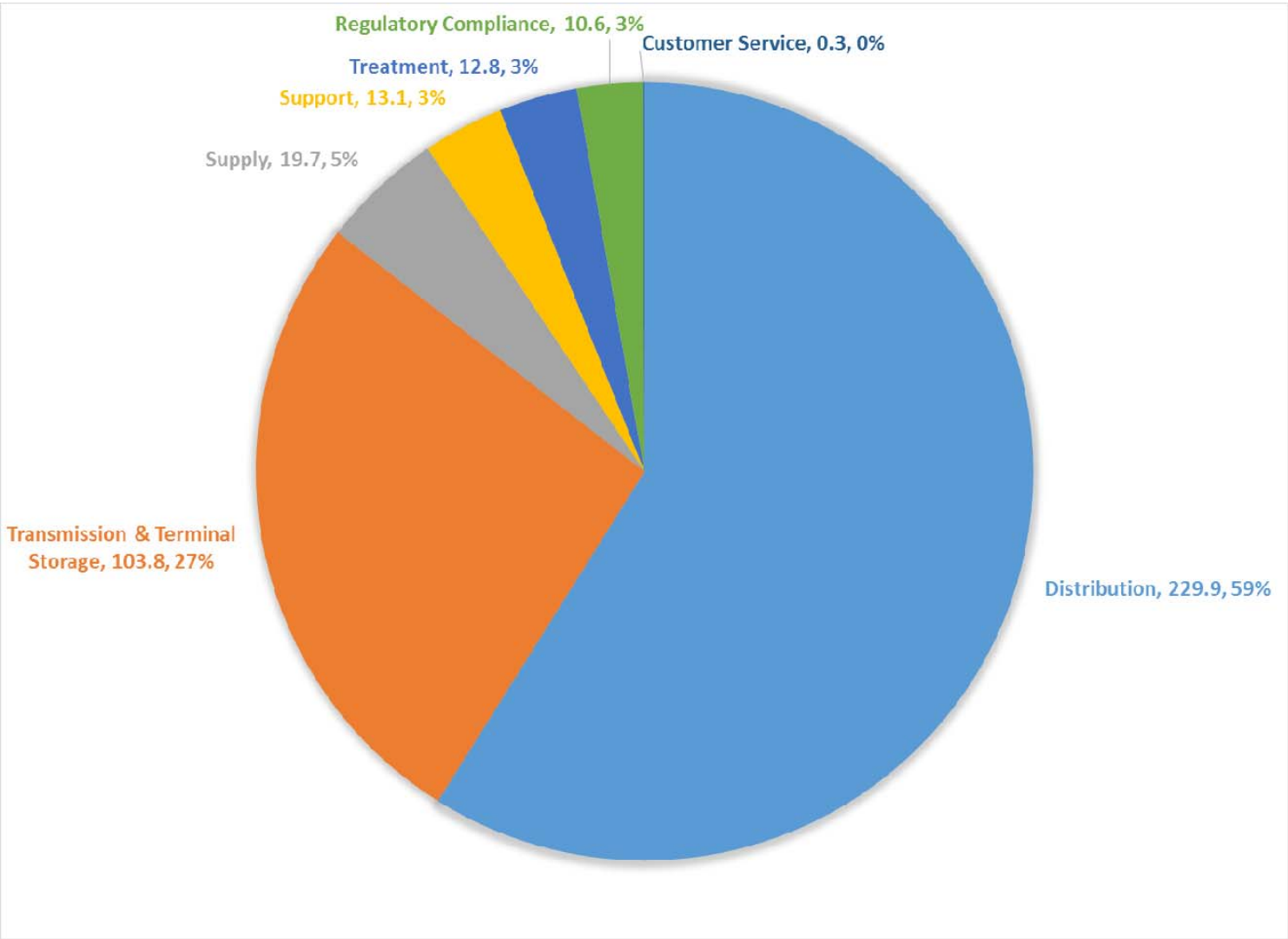


**December 15, 2015**

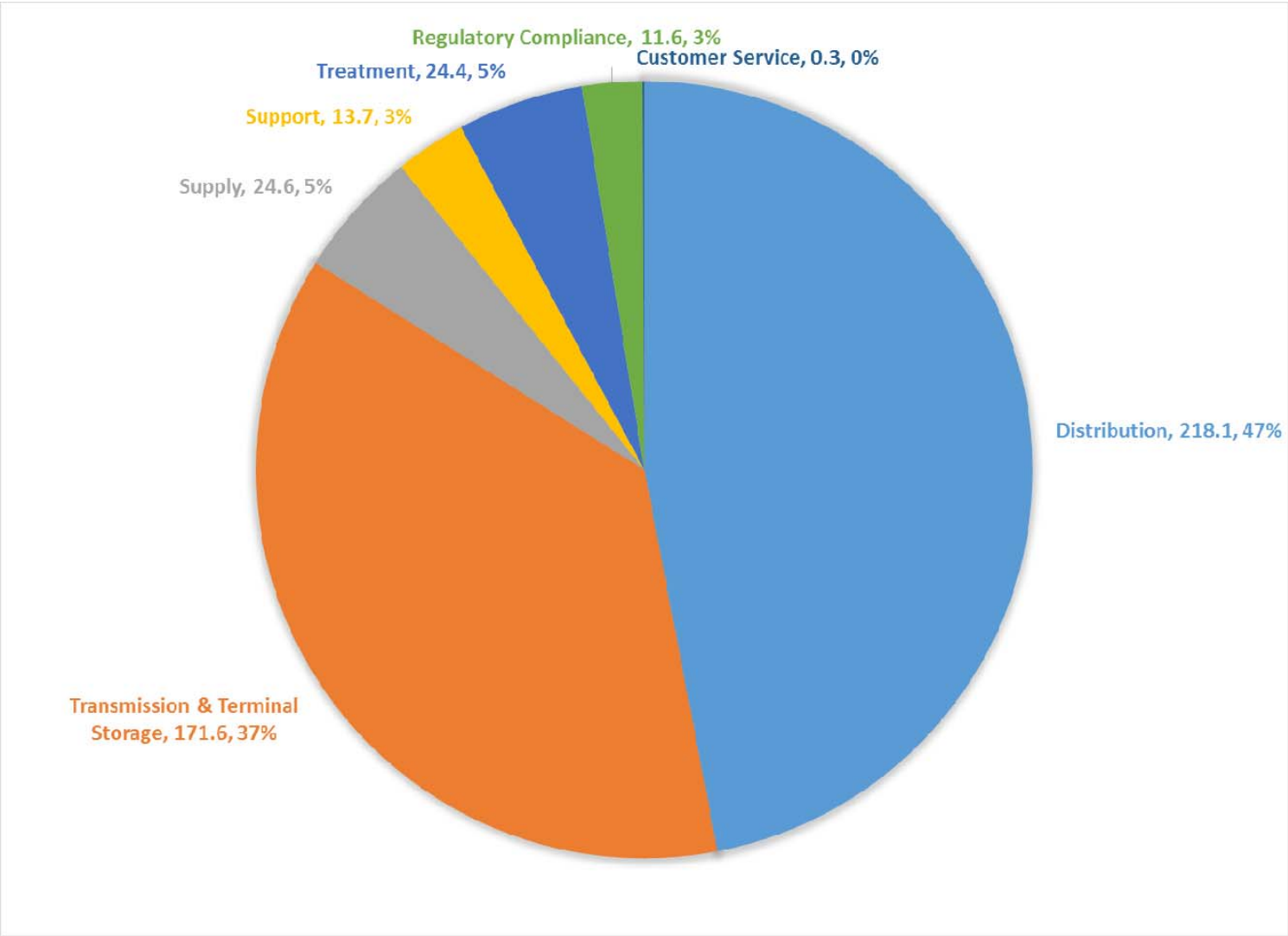
Nick Fish, Commissioner | Michael Stuhr, P.E., Director



# FY 2015-16 5-Year Adopted CIP in Millions \$391M Total



# FY 2016-17 5-Year Draft CIP in Millions, \$464M Total



## Changes from Prior Year

The Water Bureau continues to plan for providing long-term benefits and reducing risks. Fiscal Year (FY) 2016-17 marks the beginning of a transition from major projects for regulatory compliance to major projects that address other risks. Three major projects necessary for compliance with the Long Term 2 Enhanced Surface Water Treatment Rule (LT2 rule) will be completed by the close of FY 2015-16. The reservoirs at Powell Butte and Kelly Butte were put into service and the uncovered reservoirs at Mount Tabor were removed from the distribution system.

The biggest change in the FY 2016-17 five-year request is related to the need to mitigate geotechnical issues and provide adequate seismic resilience at Washington Park. The total 5-year CIP request is about \$464 million, up from \$391 million in the FY 2015-16 request. The additional measures add approximately \$65.5 million, in the comparable 4 years. The project total for the Willamette River Crossing remains about \$56 million, but the timing of the project has been revised and most of the expenditure is now planned in FY 2018-19. Exclusive of the request for additional funds for the Washington Park project, the bureau's FY 2016-17 budget request for the five-year period is consistent with the amount projected in the financial plan in FY 2015-16. The proposal includes about \$15.8 million in new major projects including: three additional distribution mains projects, remodeling a portion of the water quality control laboratory for *Cryptosporidium* testing, strengthening a conduit trestle crossing in Gresham, replacing flow control valves in Dam 1, funding for BTS to replace aging microwave communication equipment, and at Headworks, relocating the septic disposal field and upgrading the chlorine gas scrubber system. These new projects help reduce risk, maintain system reliability, improve the bureau's ability to meet water-quality regulations, and assure employee safety.

**Portland Water Bureau  
Capital Improvement Program**

(\$ in Millions)	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2016-2020	FY 2017-2021
<b>SUPPLY PROGRAM</b>								
Bull Run Watershed								
FY 2015-20 Adopted Plan	\$2.7	\$2.9	\$2.1	\$4.4	\$3.3		\$15.4	
FY 2016-21 Preliminary		\$3.7	\$6.3	\$3.8	\$3.4	\$3.5		\$20.8
Groundwater								
FY 2015-20 Adopted Plan	\$2.2	\$0.5	\$0.5	\$0.5	\$0.5		\$4.3	
FY 2016-21 Preliminary		\$1.0	\$0.6	\$0.6	\$0.6	\$1.0		\$3.7
Supply Total							\$19.7	\$24.6
<b>TREATMENT PROGRAM</b>								
Treatment								
FY 2015-20 Adopted Plan	\$0.3	\$0.4	\$0.9	\$0.7	\$10.5		\$12.8	
FY 2016-21 Preliminary		\$0.4	\$1.3	\$0.7	\$11.0	\$11.0		\$24.4
<b>TRANSMISSION &amp; TERMINAL STORAGE PROGRAM</b>								
Conduits Transmission Mains								
FY 2015-20 Adopted Plan	\$0.5	\$2.7	\$5.4	\$7.6	\$15.0		\$31.3	
FY 2016-21 Preliminary		\$1.4	\$3.5	\$5.9	\$15.6	\$15.6		\$42.1
Terminal Reservoirs								
FY 2015-20 Adopted Plan	\$13.6	\$18.3	\$22.1	\$12.3	\$6.1		\$72.5	
FY 2016-21 Preliminary		\$37.9	\$35.3	\$35.1	\$16.1	\$5.1		\$129.5
Transmission & Terminal Storage Total							\$103.8	\$171.6
<b>DISTRIBUTION PROGRAM</b>								
Distribution Mains								
FY 2015-20 Adopted Plan	\$19.9	\$30.3	\$54.8	\$24.4	\$19.0		\$148.4	
FY 2016-21 Preliminary		\$20.6	\$30.4	\$55.8	\$18.5	\$20.3		\$145.5
Field Support								
FY 2015-20 Adopted Plan	\$8.2	\$3.8	\$3.8	\$3.8	\$3.8		\$23.4	
FY 2016-21 Preliminary		\$4.1	\$3.9	\$3.9	\$4.0	\$4.0		\$19.9
Hydrants								
FY 2015-20 Adopted Plan	\$1.3	\$1.3	\$1.3	\$1.3	\$1.3		\$6.6	
FY 2016-21 Preliminary		\$1.4	\$1.4	\$1.4	\$1.4	\$1.4		\$6.8
Meters								
FY 2015-20 Adopted Plan	\$1.1	\$1.1	\$1.1	\$1.1	\$1.1		\$5.5	
FY 2016-21 Preliminary		\$1.1	\$1.1	\$1.1	\$1.1	\$1.1		\$5.7
Pump Stations Tanks								
FY 2015-20 Adopted Plan	\$9.6	\$5.0	\$3.3	\$3.3	\$3.2		\$24.4	
FY 2016-21 Preliminary		\$6.0	\$2.3	\$2.4	\$3.4	\$3.3		\$17.4
Services								
FY 2015-20 Adopted Plan	\$4.4	\$4.4	\$4.4	\$4.4	\$4.4		\$21.8	
FY 2016-21 Preliminary		\$4.5	\$4.5	\$4.5	\$4.5	\$4.5		\$22.7
Distribution Total							\$229.9	\$218.1
<b>REGULATORY COMPLIANCE PROGRAM</b>								
Water Quality Regulatory Compliance								
FY 2015-20 Adopted Plan	\$1.9	\$2.2	\$2.2	\$2.2	\$2.2		\$10.6	
FY 2016-21 Preliminary	\$0.0	\$2.4	\$2.4	\$2.3	\$2.3	\$2.3		\$11.6
<b>CUSTOMER SERVICE PROGRAM</b>								
Facilities Security								
FY 2015-20 Adopted Plan	\$0.1	\$0.1	\$0.1	\$0.1	\$0.1		\$0.3	
FY 2016-21 Preliminary		\$0.1	\$0.1	\$0.1	\$0.1	\$0.1		\$0.3
<b>SUPPORT PROGRAM</b>								
Capital Planning								
FY 2015-20 Adopted Plan	\$2.2	\$2.7	\$2.7	\$2.7	\$2.7		\$13.1	
FY 2016-21 Preliminary		\$2.3	\$2.8	\$2.8	\$2.8	\$2.8		\$13.7
<b>TOTAL</b>							<b>\$390.3</b>	<b>\$464.2</b>

