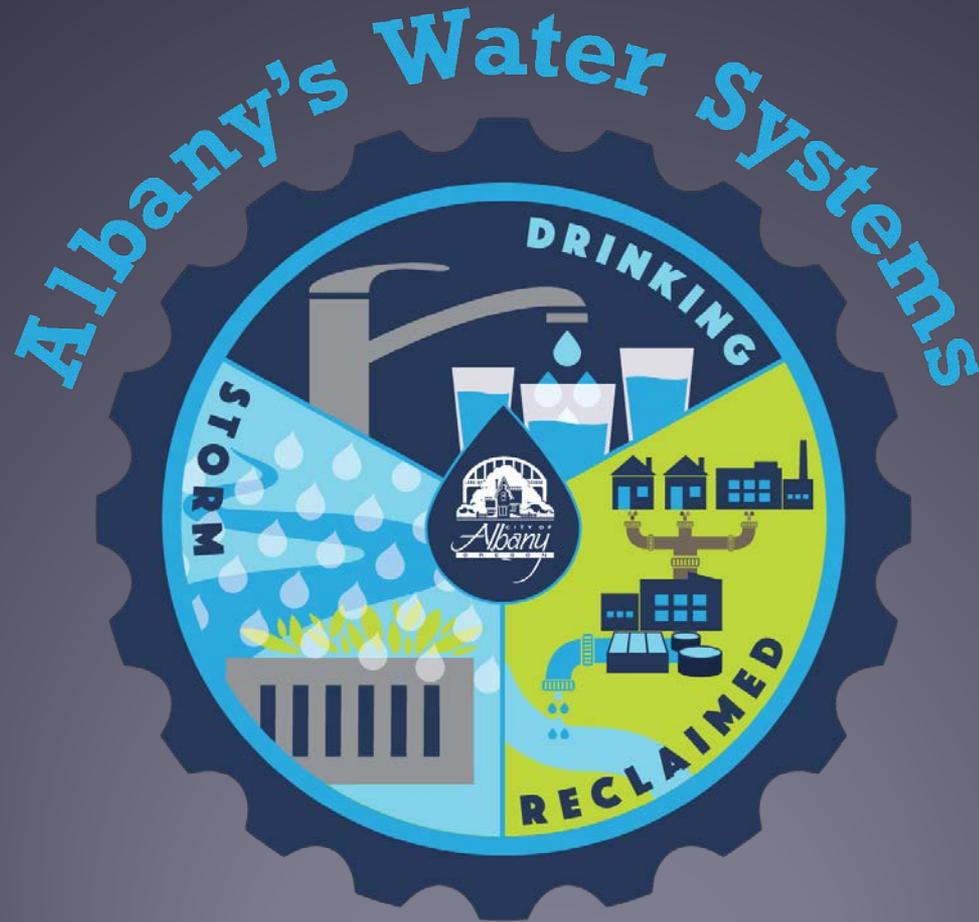


Stormwater Discussions 2015



Part 5 – Funding Strategies and Council Direction



Stormwater Presentation Series

- Kickoff – January
- Why is Stormwater Important & Stormwater Planning – March
- Stormwater Regulations – June
- Current O&M Practices/Future Needs – August
- Funding Strategies & Council Direction -TODAY



Stormwater Presentation Series

- Kickoff – January 2015



What's changed since the late 70's?



Albany's Stormwater Practices?



Stormwater Presentation Series

- Why is Stormwater Important & Stormwater Planning – March 2015



Stormwater Quantity



13th Avenue and Thurston Street



Stormwater Quantity Impacts



Failed Culvert at Belmont Avenue



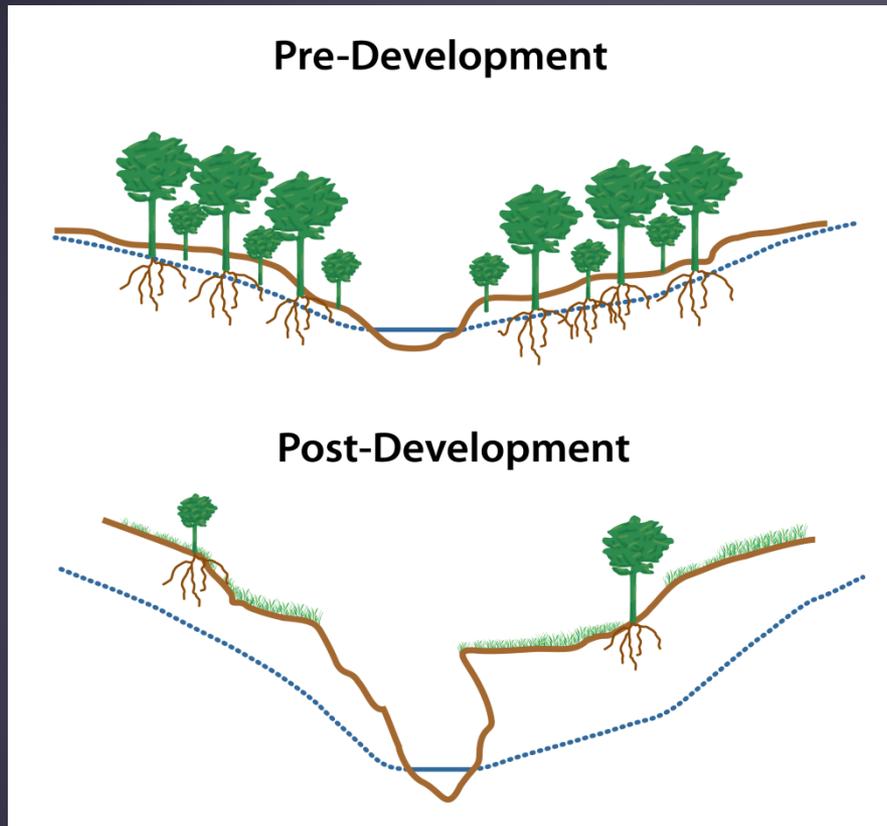
Stormwater Quantity Impacts



Periwinkle Creek



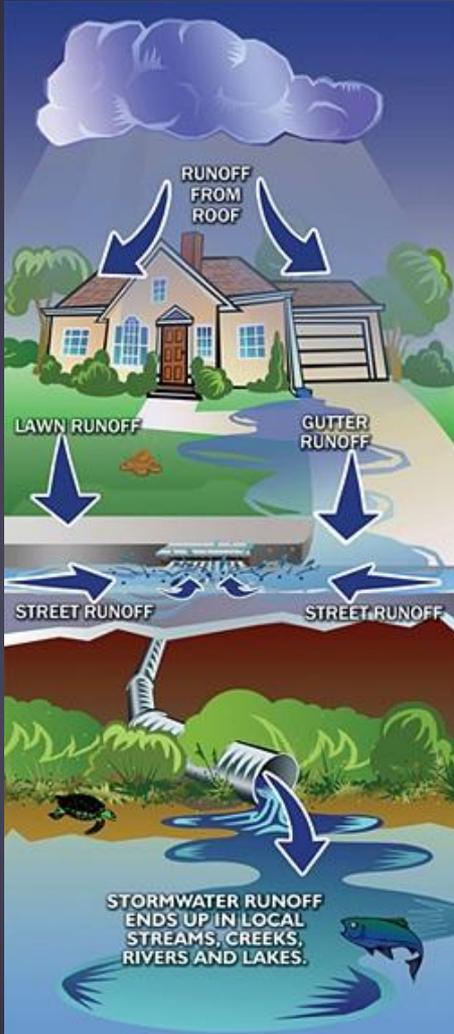
Stormwater Quantity Impacts



It's not just the big storms that damage waterways!



Stormwater Runoff & Pollutants



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Stormwater Presentation Series

- Stormwater Regulations – June 2015

PATHWAY TO REGULATION

1987
Water Quality Act

EPA
Stormwater Rules

Oregon DEQ

Industrial SW
Permits

Albany Airport
1200z Permit

Water Reclamation
Facility

City of Albany

NPDES MS4

Six Minimum
Control Measures



FEDERAL REGULATORY FRAMEWORK

- Water Quality Act – 1987
 - 1999 - Phase II = > 50,000; > 1 Acres Construction
 - Maximum Extent Practicable (MEP)
 - Stormwater Management Plan (SWMP)
 - Six Minimum Control Measures
 - Public Education & Outreach
 - Public Involvement
 - Illicit Discharge Detection & Elimination
 - Construction Site Runoff Control
 - Post Construction Runoff Control
 - Pollution Prevention/Good Housekeeping
 - Best Management Practices (BMPs)



WHAT'S NEXT

- DEQ Develops Phase II MS4 General Permit
 - Advisory Committee - Stakeholders
 - Public Notice Draft – December 2015
 - Public Notice Final – May 2016

COUNCIL UPDATE PROVIDED: OCTOBER 12, 2015

- Permit Term – 5 Years
 - Phased Implementation
 - Stormwater Management Plan (SWMP)
 - Implement Six Minimum Control Measures





Stormwater Presentation Series

- Current O&M Practices/Future Needs – August 2015



Albany's Stormwater System

- Both piped and open conveyance
 - 127 miles of stormwater pipes
 - 4,202 catch basins/inlets
 - 2,236 manholes
 - 70+ miles of open ditches/culverts
 - 76 stormwater quality facilities
- Receiving waters include Periwinkle, Oak, Cox, Burkhart Creeks; Calapooia and Willamette Rivers



Current O&M Practices

- 50% of storm catch basins cleaned annually
- Known problem catch basins cleaned every year
- 2% of storm pipes are cleaned annually
- Storm ditches mowed/cleared
- Regular street sweeping schedule
- Storm quality facility weeded/maintained
- Stormwater education & outreach
- Spill response and clean up



Stormwater Maintenance

Dirty catch basin





Summer 2015 Storm Work

- Other Findings
- Different types of pipe – corrugated metal
- 4% lines couldn't be televised
- 6% rated poor or needs immediate attention
- Worst pipe is 60 x worse than the worst sanitary pipe





Stormwater Maintenance





Future O&M Activities

- Increased frequency of system cleaning
 - Better understanding of what is removed
 - Develop a logical, defensible schedule of cleaning
- Improved system mapping
 - Identify all storm system assets
 - Public and private storm outfalls
- Proactive IDDE procedures
 - Regular outfall inspections and procedures



Future O&M Activities

- Defined system maintenance activities
 - Inspection cycles
 - Preventive /predictive maintenance
 - Asset management approach
- Stormwater Quality Facility maintenance
 - Demand will increase as the number of facilities grows
- Monitor/measure effectiveness of BMPs
 - How do we know we are having an impact?



Stormwater Presentation Series

Common Theme???



How are current efforts funded?



Street Funds



Sewer Funds



No Dedicated Stormwater Funding



Stormwater Presentation Series

- Funding Strategies & Council Direction



Stormwater Funding Needs

- 1) Regulatory Compliance
- 2) Operations & Maintenance
- 3) Perpetual Life Replacement Projects (Capital)
- 4) Other Capital Improvements



Stormwater Funding Options

- Continue current practice
- Use General Fund Revenues
- Special Districts or LIDs
- General Obligation Bond and/or Operating Levy
- Stormwater User Fees – Create Stormwater Utility
- Other?



Stormwater Funding Options

2015-16 Stormwater Rates in Oregon Cities
 Single-Family Residential Customers - Stormwater Rate

Average Fee is \$8.71

Population 2014 PSU	City / District	\$ / mo	Rank
601,510	Portland	\$26.57	1
160,775	Eugene / EWEB	\$12.91	4
159,265	Salem	\$5.07	19
106,455	Gresham	\$10.34	8
95,310	Hillsboro	\$7.25	14
93,395	Beaverton	\$9.25	9
79,985	Bend	\$5.00	20
76,650	Medford	\$6.85	15
60,065	Springfield	\$13.61	3
56,535	Corvallis	\$6.27	16
51,270	Albany	\$0.00	25
49,140	Tigard	\$9.25	9
37,105	Lake Oswego	\$12.58	6
36,985	Keizer	\$10.73	7
35,060	Grants Pass	\$0.00	25
33,760	Oregon City	\$9.05	11
32,705	McMinnville	\$0.00	25
25,540	West Linn	\$6.15	17
24,455	Woodburn	\$0.00	25
22,715	Forest Grove	\$8.25	13
22,510	Roseburg	\$6.05	18
18,955	Sherwood	\$14.27	2
15,740	Lebanon	\$3.18	21
11,910	Cornelius	\$12.65	5
9,620	Monmouth	\$0.00	25
9,060	Sweet Home	\$1.00	24
8,605	Independence	\$8.67	12
4,630	Philomath	\$1.50	23
845	Adair Village	\$2.50	22



Stormwater Funding Options

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Stormwater Funding Options

Question – What funding options is Council interested in considering?