

## AGENDA

### Broadview Sewer Task Force

January 26, 2016, 4:00 – 6:00 p.m.

<u>Agenda Item</u>	<u>Description</u>	<u>Time</u>
1. Introductions and agenda review	<ul style="list-style-type: none"><li>• Introduce Sewer Task Force members and new Broadview team members</li><li>• Review agenda content and add any additional items for discussion</li></ul>	4:00 – 4:05 p.m.
2. Project background (Grace, Bob, Rachel)	<ul style="list-style-type: none"><li>• Review 2011-2015 project timeline<ul style="list-style-type: none"><li>○ Technical milestones</li><li>○ Outreach activities</li></ul></li></ul>	4:05 – 4:20 p.m.
3. 2015 Process overview (Grace, Bob, John)	<ul style="list-style-type: none"><li>• Recap Spring 2015 technical work and outreach</li><li>• Review Summer 2015 economic analysis results</li><li>• Discuss King County coordination</li><li>• Review recommended projects for 2016-2018<ul style="list-style-type: none"><li>○ 12<sup>th</sup> Ave NW drainage improvements</li><li>○ Dayton Basin</li></ul></li></ul>	4:20 – 5:20 p.m.
4. Next steps (Grace, Don, Rachel)	<ul style="list-style-type: none"><li>• Approval for recommended projects<ul style="list-style-type: none"><li>○ Broadview project funding</li></ul></li><li>• Additional community outreach<ul style="list-style-type: none"><li>○ City and Broadview council briefings</li><li>○ Briefings to other community groups</li><li>○ Mailing to Broadview community</li><li>○ Website and listserv updates (ongoing through design)</li><li>○ Additional outreach for specific project elements</li></ul></li><li>• Complete smaller Broadview projects<ul style="list-style-type: none"><li>○ NW 120<sup>th</sup> Street outfall replacement/drainage improvements</li><li>○ 11<sup>th</sup> Ave NW drainage improvements</li><li>○ Spot drainage work as needed</li></ul></li><li>• Monitor projects and evaluate future work<ul style="list-style-type: none"><li>○ Regional sewer alternative</li><li>○ Phased drainage work in 12<sup>th</sup> Ave basin</li></ul></li></ul>	5:20 – 5:50 p.m.

# January 26, 2016

## Broadview Sewer Task Force meeting

### Attendees:

#### Seattle Public Utilities:

- Grace Manzano, Broadview Program project manager
- Don Anderson, Sewer and Localized Flooding Program manager
- Rachel Garrett and Katie McVicker, community outreach
- Bob Jacobson, Brown and Caldwell (sewer engineer)
- John Phillips (King County)

#### Broadview Sewer Task Force members:

Susan George, Dale Johnson, Michel Sotura, Mike LaRussa

### Summary

On Tuesday, January 26, 2016, SPU staff met with the Broadview Sewer Task Force to provide updates on Broadview program planning and proposed projects. The above agenda guided our discussion on the Broadview program, recent history and coming projects. While SPU doesn't normally provide detailed meeting minutes for living room discussions, the following attempts to summarize some of the topics discussed, key questions, and SPU responses.

### Discussion questions

- **What is the status of the regional sewer alternative coordinated between SPU and King County? Is it no longer being considered?**  
Since 2012, Seattle Public Utilities has been planning for sewer and drainage improvements in the areas of Broadview that are most impacted. In 2013, SPU installed 23 backflow valves at homes and conducted a flood grouting pilot project to seal pipes at 88 homes in the 12<sup>th</sup> Avenue basin. Spot drainage work has been done in many locations along 12<sup>th</sup> Avenue NW. In May 2015, SPU began studying a possible long-term regional sewer alternative with King County. During the analysis of this regional sewer alternative and other large-scale alternatives, SPU could not identify a single solution that would provide the neighborhood with enough value to outweigh high cost and fit within our approved five-year capital projects budget. Therefore, while we continue to study a long-term solution with the County, we are proposing two smaller, cost-effective projects that fit our budget and will help provide relief to the parts of the neighborhood with the biggest sewer and drainage impacts. These projects are the Dayton Avenue N. Sewer Improvement Project and the 12<sup>th</sup> Avenue NW Drainage Improvement Project.
- **Would the Ship Canal Water Quality Project tunnel have to be completed before Broadview could send more sewage to King County's Carkeek Park Pump Station?**  
We cannot send more flow to Carkeek Park from Broadview without increasing overflows at King County's Carkeek Pump Station and CSO Treatment Facility. To send more flows from

Broadview to the Carkeek Pump Station and CSO Treatment Facility, SPU would need to build a Pump Station in Greenwood to offset the increased Broadview flows. If the Greenwood Pump Station is up and running before the Ship Canal storage tunnel is online, there will be increased sewer overflows into the ship canal. The purpose of the I & I reduction project in Dayton is to increase the level of service in the Dayton sewer basin and to minimize the flows that have to be offset, capacity issues down 8th Avenue, and overflows at the ship canal.

- **What is the benefit of doing two smaller projects first instead of putting funding towards a regional sewer alternative?**

These projects will provide important foundational data and will hopefully help us identify what a more beneficial, regional alternative with the County might look like. Ideally these initial projects will help provide some relief to highly impacted areas, drive down the cost of a regional alternative and will help us be more strategic in our future coordination with the County. Over time, it is more cost-effective for SPU and King County to build “at the source” solutions that keep stormwater out of the sewer system.

- **Why can't we do more infiltration and inflow reduction work (I&I) in the 12th Avenue sewer basin right away?**

Due to the high groundwater and bluff stability issue, a large scale I&I reduction effort in the 12th Avenue area is very expensive. To manage water that is kept out of the sewer system when pipes are sealed up, SPU would need to build French drains. To manage water redirected from sump pumps and roof drains, SPU would need to improve the existing drain system. SPU needs to look for a way to reduce overall sewer flows from Broadview into Carkeek Park. The Dayton Avenue sewer project will help determine how much water we can cost effectively remove from sewer system and will determine the amount of wastewater flows that need to be diverted away from the Carkeek Pump Station and CSO Treatment Facility. The Regional Sewer Alternative involves reducing Dayton sewer flows and/or redirecting Greenwood sewer flows away from the Carkeek Pump Station and CSO Treatment Facility. The flow diversion needs to occur before capacity improvements can occur in the 12<sup>th</sup> Avenue basin.

- **What sewer alternatives are being considered for the 12<sup>th</sup> Avenue basin at this time?**

SPU is currently considering three possible future sewer improvement options for the 12<sup>th</sup> Avenue basin: I & I reduction, conveyance improvements, and storage in the right-of-way (not a large storage facility that would require property acquisition). We will not be able to choose a preferred option until we have more data. Following implementation of the Dayton Avenue N. Sewer Improvement Project, we'll monitor sewer flows in the basin. We will also look at the number of sewer backup claims to see if anything changes. Please encourage your neighbors to report any sewer backup issues they may be having to SPU. We would also like to hear from those in the homes where we installed backflow preventers and see if they are working properly.