



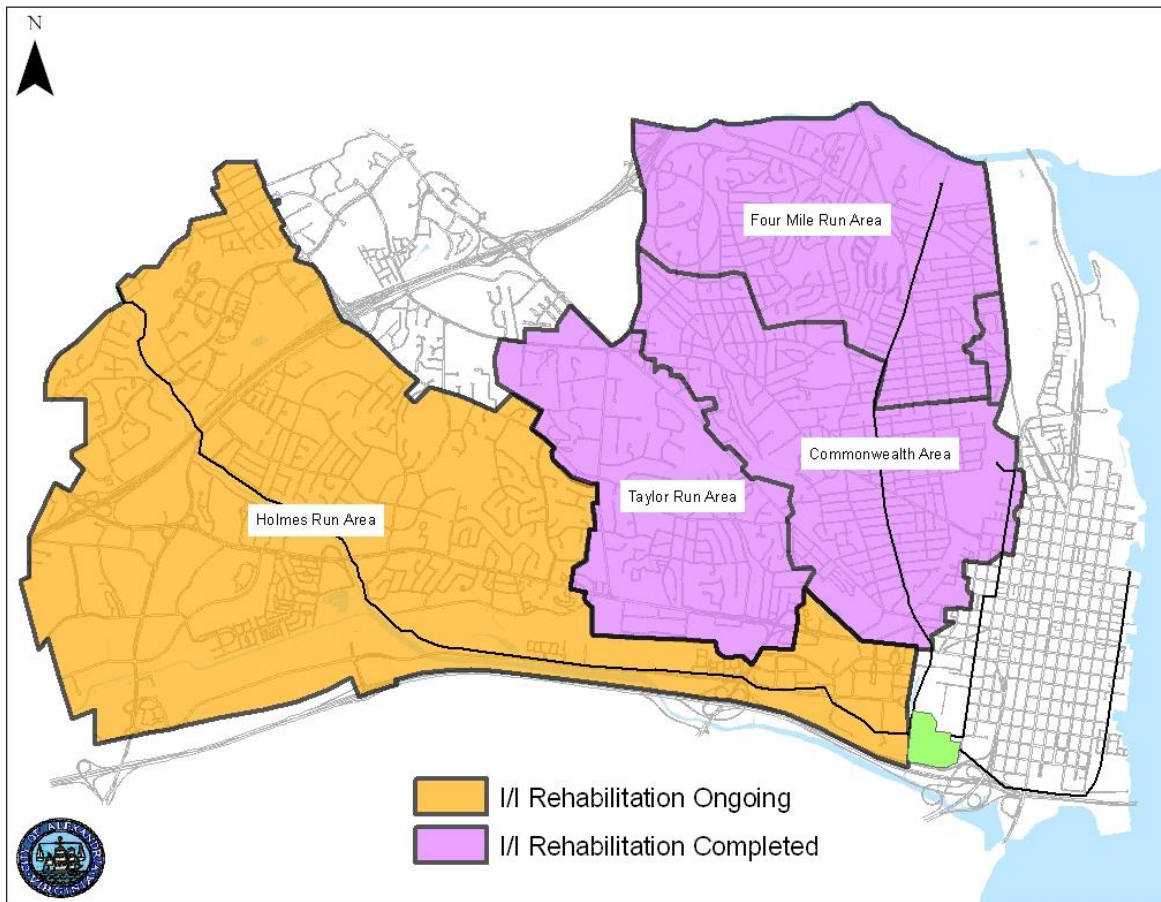
Joint Work Session with Alexandria Renew Enterprises – Sanitary Sewer and CSO Issues

January 28, 2014

Agenda

- Infiltration and Inflow (I/I) Sewer Rehabilitation Update
- EPA Inspection Update and Combined Sewer System (CSS) Permit Reissuance
- Long Term Control Plan Update (LTCP-U)

I/I Sewer Rehabilitation



3 separate design contracts underway in Holmes Run Area

Post construction monitoring shows 3 areas completed to date has reduced I/I by 20-30% on a sewershed level

EPA Inspection Update and CSS Permit Issuance

- EPA inspection June 27, 2012
 - Follow-up 308 Request for Information April 16, 2013
 - City provided all information requested
 - No further requests from EPA
- CSS Permit Reissued August 23, 2013
 - Requires City to meet CSO reductions set in Hunting Creek Total Maximum Daily Load (TMDL)
 - VDEQ continues to be the lead agency

Long Term Control Plan Update (LTCP-U)

- LTCP-U is a plan that will provide a path for the City to meet the Hunting Creek TMDL
 - Draft Work Plan due to VDEQ May 2014
 - Final LTCP-U due to VDEQ August 2016
- Plan must be fully implemented in phases no later than 2035
- Extensive community education and outreach as part of plan development

LTCP-U Typical CSO Control Potential Strategies

- Storage: storage tanks, in-line storage, tunnels
- Separation: fully separate all storm and sanitary sewers in Old Town
- Green Infrastructure: reduce the amount of stormwater runoff reaching the combined sewers
- Other options and combination of options will be evaluated as well

LTCP-U Phasing

- Draft Work Plan May 2014
- Final LTCP-U August 2016
- Approval of LTCP by VDEQ 2016/2017
- Specific projects, including schedules from approved LTCPU will be incorporated in appropriate future permit cycles: 2018, 2023, 2028
 - Design of recommended projects TBD
 - Construction of recommended projects TBD
 - Perform post-construction monitoring to demonstrate compliance with Hunting Creek TMDL
 - Complete no later than December 31, 2035

Funding of LTCP-U

- Estimated cost of \$100 million to \$300 million through 2035
- Project proposed for \$1 million in initial state aid in proposed state budget. Funding needs to grow over time.
- Forthcoming CIP will propose funding planning and initial permit requirements
- Initial long-term funding plan will be developed in FY2015

Thank you

Questions?