

INFILTRATION AND INFLOW (I/I) CONTROL PROGRAM

CONTINUED DISCUSSION OF INSPECTOR TRAINING & CERTIFICATION PROGRAM

EVALUATION OF INFLOW AND INFILTRATION
REDUCTION CONCEPTS PHASE 2

E&P SUBCOMMITTEE

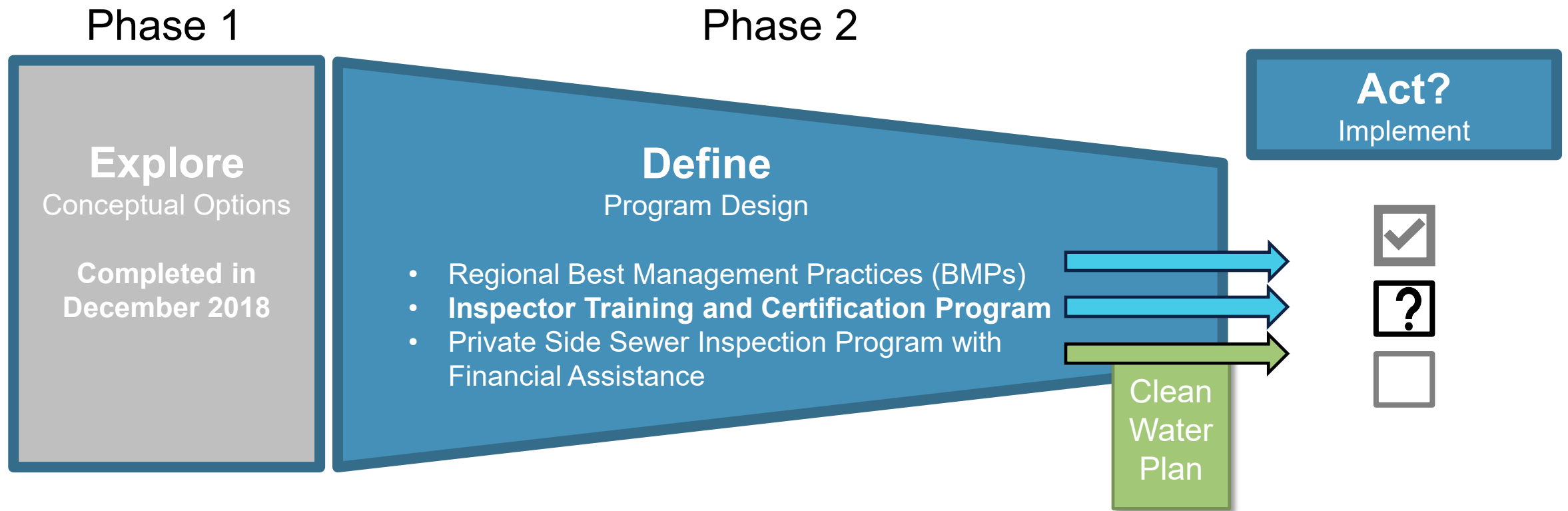
NOVEMBER 4, 2021



King County

Department of Natural Resources and Parks
Wastewater Treatment Division

OVERVIEW OF CURRENT I/I WORK



OVERVIEW OF PROPOSED INSPECTOR TRAINING & CERTIFICATION PROGRAM



A new tool in the I/I reduction toolbox

Program Goal

- All component agency sewer inspectors (staff or contractors) are consistently trained and certified to inspect side sewers and laterals of the sanitary sewer system and enforce proper installation, rehabilitation, and repairs to reduce I/I.

Success Factors

- Have 100% of side sewer inspectors trained and certified within 3-5 years of program launch.
- Reach agreement among majority of local agencies to participate in program development and meet training and certification requirements.

OVERVIEW OF PROPOSED INSPECTOR TRAINING & CERTIFICATION PROGRAM

Qualifications

- Graduation from high school supplemented by college-level courses related to inspection work
- Documented minimum of 5 years of experience in field or office engineering work involving sewer construction, repair and/or rehabilitation work

Training

- 7 hours of online training in the following modules:
 - Introduction to program
 - Inspection methods and standards
 - Testing standards
 - Construction best management practices
 - Safety issues and customer service

Certification Exam and Recertification

- 1 hour online exam
- Minimum passing grade and certificate
- Test-out option available
- Equivalent certification should be recognized
- 5-year recertification frequency

Roles & Responsibilities

- County – proposed program sponsor/administrator and would cover cost to set-up and administer program
- Participating sewer agencies – inspector training participants and would cover cost of staff time to participate

OVERVIEW OF AGENCY COMMENTS

- **Draft technical memo provided online (August)**
- **Received verbal comments in E&P meeting (Sept)**
- **Received written comments from 2 agencies after E&P meeting (Sept)**
 - **Comments were varied; some topics that arose repeatedly were**
 - **Partnership opportunity with Washington Wastewater Collection Personnel Association Program**
 - **Minimum qualifications**
 - **Level of participation desired to support implementation**

PARTNERSHIP OPPORTUNITY

- *The Washington Wastewater Collection Personnel Association Program was reviewed and determined to only have a training for wastewater collection operators (not inspectors). This operator training was not relevant because it did not cover the topic of side sewer inspection. WWCPA did not have a conveyance inspection training program. More work would need to be completed if there was a desire to partner with them in the development of this program.*

Note: This is the new proposed technical memo text

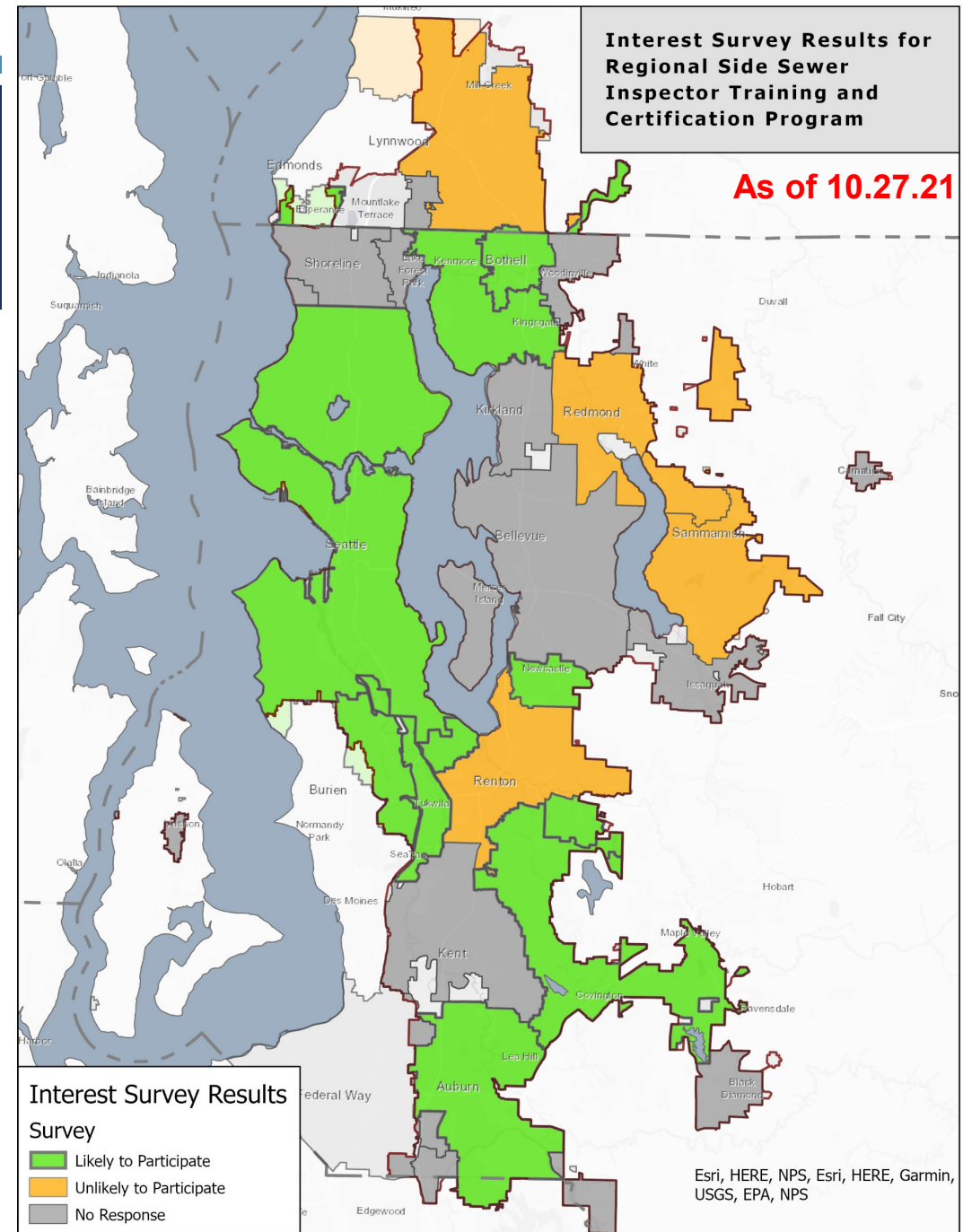
MINIMUM QUALIFICATIONS

- **Provide option for a local agency to endorse an employee who may not meet the minimum qualification in the training**
 - *The recommended minimum qualifications remain the same; however, during the implementation phase, the eligibility application will be crafted so that there is flexibility in how equivalent experience is gained and how knowledge and skills are demonstrated. Additionally, there will be the option for a local agency to endorse including an employee who may not meet the minimum qualification in the training program will be explored. This is expected to be the exception rather than the standard.*
- **Maintain the minimum qualifications to support a common level of expertise across the region**
 - *Graduation from high school supplemented by college-level courses related to inspection work, and*
 - *Documented minimum of 5 years of experience in field or office engineering work involving sewer construction, repair and/or rehabilitation work*

Note: This is the existing and new proposed technical memo text

LEVEL OF PARTICIPATION DESIRED TO SUPPORT IMPLEMENTATION

- 13 local agencies currently interested in participation
- WTD Government Relations is reaching out to those who did not respond and reopened the survey to those who are interested



NEXT STEPS

- **County is working with consultant to finalize technical memo in November**
- **MWPAAC is being requested to considering the inspector training and certification program and determine whether to provide a recommendation to WTD Director on whether to implement the program**

THANK YOU

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END