

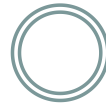
Columbia Levee Accreditation



ENGINEERING ANALYSIS

**THE FIRST CRITICAL STEP IN
THE COLLABORATIVE PROCESS**

Levee Accreditation – A Regional Priority



- Accreditation of the levee system affects FEMA flood-mapping.
- Without accreditation, the area behind the levee is considered a “significant flood hazard” area - A problem of regional significance
- Documentation is required by FEMA (“Certification by Engineer”) that the levee is protective of 100-year flood.

Accreditation Process



- *Oregon Solutions* bringing all key stakeholders to the table – Mayor Hales Convening
- Accreditation clock has not started, not imminent
- FEMA *could* initiate at any time

Initial Engineering Review



First Critical Step in Certification Process

- What needs to be done to bring levee up to 100-year flood performance standard?
- How big is the problem?
- Cost of necessary changes?

What's Needed?



- \$1.4 Million needed to complete the analysis
- Drainage Districts - beyond their capacity
- Too late to incorporate into FY 2015 public budgets

The Challenge: How to prevent delays, and find out how big the problem really is?

The Collaborative Solution

186598



State of Oregon Infrastructure Finance Authority (IFA) provides low-interest loan (\$1.4million), available July 2014

- City of Portland as applicant
- Loan term - 7 years
- Prepayment possible at any time
- Loan repayment deferred 2 years

The Collaborative Solution



Contributors:

- Pen 1 District - \$100,000
- Pen 2 District - \$100,000
- Port of Portland - \$300,000
- City of Portland - \$600,000
- Metro - \$300,000

The Collaborative Solution



\$1.56 mil - Total Costs

\$1.4 mil - Covered by IFA Loan

\$.16 mil - Covered by Pen 1 and Pen 2

Next Steps



- Engineering Analysis Complete - September 2014
- Finalize approach to Governance and Funding
- Begin Regulatory Processes for improvements