

# CITY OF PORTLAND'S CSO PROGRAM

A CSO STORY WITH A HAPPY  
ENDING

# TIMELINE

- 1991      Stipulation and Final Order  
                 State DEQ
  - Required a Facilities Plan
  - Interim controls
  - CSO Characterization
  - Schedule
  - 99% level of control
  - Reopener

# Timeline

- 1993 Submitted Facilities Plan required by the SFO
- 1994 Collaborative Process
- 1994 CSO Control Policy
- 1994 Amended Stipulation and Final Order (ASFO)

# ASFO

- Environmental protection / cost effectiveness
- 99% control for Columbia Slough
- 96% control for Willamette River
- Allows one overflow every three summers and four overflows in winter
- Higher level of control than CSO Control Policy guidelines

# Important Elements of ASFO

- Cornerstone Projects
  - Downspout Disconnection



# Cornerstone Projects

- Stream diversion
- Selective sewer separation
- UICs



# Cornerstone Projects

- Collectively remove 2 billion gallons of stormwater from the combined system annually
- Community involvement
- Regulatory involvement



# Project Timeline

- 1994 – ongoing Cornerstone Projects
- 1997 Begin construction in Columbia Slough
- 2000 Columbia Slough Conduit completed
- 2001 7 Willamette River outfalls controlled
- 2001 EPA / Section 308 letter / investigation – ongoing



# Project Timeline

- 2003      Begin construction of West Side Tunnel
- 2006      West Side Tunnel completed
- 2008      Begin construction of East Side Tunnel
- 2009      Letter from U.S. DOJ stating that they would not file suit
- 2011      East Side Tunnel Completed
- 2012      Demonstration period after project completion

# Project Timeline

- Some factors contributing to success and avoidance of federal involvement

Unique position re federal consent decree

- 10 years into a 20 year program
- Full compliance with every milestone
- State order / DEQ oversight
- High level of control
- Public involvement / community acceptance
- Ahead of the curve with green infrastructure

