

# Salem, Oregon's Wastewater

## Investment Summary



Salem's Wastewater System MAO Investment Summary	
Downtown Interceptor	\$ 3.3 million
Outfall Diffuser	\$ 4.8 million
Process Support Facility	\$12.0 million
Perimeter Utility Corridor	\$10.0 million
River Road Wet Weather Treatment Facility	\$32.0 million
Willow Lake Headworks	\$90.0 million

### MAO Compliance

Salem is investing over \$200 million as it continues to make progress toward Mutual Agreement and Order (MAO) compliance, doubling our total treatment capacity. When heavy rains overload Salem's sanitary sewer system, Salem occasionally overflows diluted sewage into local streams and rivers to prevent sewage from backing up into citizens' homes and basements. In 1998, the MAO was executed between the City of Salem and the Oregon Department of Environmental Quality to set timelines for eliminating these Sanitary Sewer Overflows (SSOs) under most storm conditions.

#### Downtown Interceptor

Complete—Eliminated SSOs from Pringle Creek.

#### Outfall Diffuser

Complete—Eliminated single point discharge to provide better mixing in the river.

#### Process Support Facility

Complete—New operations, lab, maintenance, and administration facility.

#### Perimeter Utility Corridor

Complete—New electrical, control, communications, and process corridor around plant to feed and control all major process facilities.

#### River Road Wet Weather Treatment Facility

This project is to construct a 50-million-gallon-per-day (mgd) satellite treatment facility in River Road Park. It will treat additional wastewater flows during periods of significantly wet weather, eliminating sewage discharge into the Willamette River. River Road Park will also undergo a major facelift and improvement. This project is scheduled to be online in mid-2008.

#### Willow Lake Headworks

This project includes screening, pumping, primary clarifiers, and appurtenances to increase the capacity to 155 mgd at the Willow Lake Water Pollution Control Facility. Scheduled to be online by December 31, 2009.

# Salem, Oregon's Drinking Water

## Investment Summary



### Most Major Work is Complete

Following the floods and associated water shortages of 1996, Salem prioritized improvements in its water system.

### Geren Island Treatment Facility

Complete—Doubled daily capacity to 126 million gallons per day (mgd).

### Franzen Reservoir

This is a 92-million-gallon treated water storage facility. Complete—Lined, covered, and reinforced.

### Aquifer Storage and Recovery (ASR)

Complete—450 million gallons of drinking water stored underground in Southeast Salem and available for use as needed during peak demands.

### Upper Transmission Line

Salem is currently investing over \$90 million to replace one of two transmission lines from Geren Island that was built in 1936 and is at the end of its service life. Replacing this line will also increase Salem's transmission capacity from 66 million gallons a day to 125 million gallons a day. Phases I and II of this five-phase project are complete. Estimated total completion is in 2012.

Salem's Drinking Water System Investment Summary	
Geren Island	\$36 million
Franzen Reservoir	\$17 million
Aquifer Storage and Recovery (ASR)	\$ 2 million
Upper Transmission Line	\$90 million