


























# Wastewater Project Checklist
















Legend	
	Completed
	Funded
	Partly Funded
	No Action
	Emergency

Definitions	
<b>Bursting</b>	Instead of digging a trench, new pipe is inserted laterally into the old pipe. The old pipe breaks as it is pushed outward.
<b>Lining</b>	Old pipe is left in place as a flexible lining is inserted. The lining hardens into a permanent repair.
<b>Force main</b>	A wastewater pipe that is pressurized, unlike ordinary gravity-flow sewer lines.
<b>Slurry filling</b>	A method of filling an abandoned sewer pipe. Wet slurry fills the pipe and is left to solidify.

Note: Target dates and initial estimates are based on long-term projections. They may not reflect funding availability or all aspects of project costs.






Description	Target Date	Status	Initial Estimate	Revised Cost	Comments
11th Street Bursting	FY 2012		\$87,896	> <b>\$155,000</b>	Pipe bursting proved unfeasible on this project. Switched to trench method increased cost.
Mingus Park Area Pipe Replacement	FY 2012		\$394,590		Scheduled and funded with state infrastructure loan. (Project was delayed awaiting funding. Completion expected by FY 2017.)
2nd Street Pipe Replacement	FY 2012		\$143,769		Scheduled and funded with state infrastructure loan. (Project was delayed awaiting funding. Completion expected by FY 2017.)
10th and Lockhart Pipe Replacement	FY 2012		\$282,299	<b>\$243,343</b>	Completed 2013
Pump Station 4 Replacement	FY 2012		\$1,142,311	<b>\$841,333</b>	Completed 2014
Pump Station 5 Replacement	FY 2012		\$600,000	<b>\$857,485</b>	Completed 2011
Pump Station 16 Improvements	FY 2013		\$912,068		Expect design in FY 2015, construction in FY 2016. Construction was delayed by funding; also delayed by rescheduling of Pump Station 1. (See more details at bottom of chart. *)
Pump Station 9 Improvements	FY 2014		\$613,075		<b>Unfunded</b>
South 10 <sup>th</sup> Street Force Main	FY 2014		N/A	<b>\$5,538</b>	OMI repaired force main as part of existing contract. City repaired pavement.
Park Avenue and North 11 <sup>th</sup> Street Sewer Repair	FY 2014		N/A	<b>\$4,850</b>	Repaired eight feet of damaged pipe

<b>Plant 1 Asphalt Surface Repair</b>	FY 2014		N/A	<b>\$5,060</b>	Surface was badly damaged within Plant 1
<b>Dunn Street, Cedar Avenue</b>	FY 2014		N/A	<b>\$8,396</b>	Bundled two spot repairs in sewer system
<b>Highway 101 Sinkhole</b>	FY 2014		N/A	<b>\$12,799</b>	Slurry filled approximately 25 feet of storm drain that was no longer in use but caused sinkhole in 101
<b>Vacated Third<sup>rd</sup> Street (Park to Highland)</b>	FY 2014		N/A	<b>\$46,081</b>	Replaced approximately 200 feet of damaged 100-year-old sewer pipe
<b>Highwa 101 at Farr's</b>	FY 2014		N/A		Replace private sewer lateral that had been damaged by public force main. Expect completion by end of FY 2015.
<b>Norh Eighth Street</b>	FY 2014		N/A		Replace approximately 270 feet of damaged sewer pipe. Expect completion by end of FY 2015.
<b>Fourth &amp; Highland</b>	FY 2014		N/A		Replace approximately 450 feet of damaged sewer pipe. Expect completion by end of FY 2015.
<b>South Seventh Street Manhole Repair</b>	FY 2014		N/A		Repair damaged manhole. Expect completion by end of FY 2015.
<b>North Fourth Street (Market to Highland)</b>	FY 2014		N/A	<b>\$45,149</b>	Replaced approximately 190 feet of damaged 100-year-old sewer pipe
<b>South Seventh Street</b>	FY 2014		N/A		Manhole has been damaged and is causing traffic hazard. Expect completion by end of FY 2015.
<b>South 10<sup>th</sup> Street (Blossom Gulch School)</b>	FY 2014		N/A		Replace 200 feet of pipe, Expect completion by end of FY 2015.
<b>Koos Bay Blvd. Pipe Bursting</b>	FY 2015		\$69,715		<b>Unfunded</b>
<b>Pump Station 17 Improvements</b>	FY 2015		\$99,111		<b>Unfunded</b>
<b>Pipe Replacement south of Hemlock</b>	FY 2015		\$47,188		<b>Unfunded</b>
<b>Blossom Gulch Pipe Replacement</b>	FY 2015		\$247,513		Funded by state infrastructure loan. Scheduled for FY 2017.

<b>Plant 2 Upgrades</b>	FY 2015		\$18,039,848	<b>\$24 million</b>	Empire wastewater plant project has changed from an upgrade to a complete replacement. Expect construction in calendar year 2015.
<b>Morrison Interceptor</b>	FY 2016		\$661,754		<b>Unfunded</b>
<b>Pump Station 8 Improvements</b>	FY 2016		\$918,067		<b>Unfunded</b>
<b>High School Pipe Bursting</b>	FY 2017		\$251,055		<b>Unfunded</b>
<b>High School Pipe Replacement</b>	FY 2017		\$60,477		<b>Unfunded</b>
<b>Fillmore Interceptor</b>	FY 2017		\$286,657		Funded by state infrastructure loan. Scheduled for FY 2017.
<b>Pump Station 10 new force main</b>	FY 2017		\$953,184		<b>Unfunded</b>
<b>Basin R Pipeline Replacements</b>	FY 2017		\$111,976		<b>Unfunded</b>
<b>Pump Station 6 Improvements</b>	FY 2018		\$288,139		<b>Unfunded</b>
<b>Pipe Replacement west of Plant 1</b>	FY 2018		\$140,114		<b>Unfunded</b>
<b>Plant 1 Upgrades</b>	FY 2018		\$11,898,203		\$167,750 is funded for consultant in FY 2016: assessment, options, recommendations and cost estimate
<b>Englewood Pipe Replacement</b>	FY 2019		\$280,239		<b>Unfunded</b>
<b>Empire Lining</b>	FY 2019		\$198,745		<b>Unfunded</b>
<b>8th Street Pipe Replacement</b>	FY 2019		\$110,531		<b>Unfunded</b>
<b>Manhole Repairs</b>	FY 2019		\$374,192		<b>Unfunded</b>

Woodland Drive Pipeline Upsizing	FY 2019		\$1,087,649		<b>Unfunded</b>
Pump Station No. 1 Improvements	FY 2019		\$820,832	<b>\$1.8 million</b>	Funded at \$1.8 million. Anticipate construction summer 2015. (See more details at bottom of chart. *)
Reroute piping around Red Lion Hotel	FY 2019		\$727,667		<b>Unfunded</b>
Hemlock Street Area Pipe Replacement	FY 2020		\$397,110		<b>Unfunded</b>
Ferguson Pipe Replacement	FY 2020		\$726,546		<b>Unfunded</b>
Follow-Up Smoke Testing Survey	FY 2020		\$68,705		<b>Unfunded</b>
Follow-Up Flow Mapping Survey	FY 2020		\$68,705		<b>Unfunded</b>
Follow-Up Video Inspection Survey	FY 2020		\$68,705		<b>Unfunded</b>
Inflow and Infiltration Plan Update	FY 2020		\$68,705		<b>State-manded 10-year plan update. Currently unfunded.</b>
Marple, Jackson, Taylor Pipeline Replacement	FY 2020		\$360,852		<b>Unfunded</b>
Basin FF Interceptor Repairs	FY 2020		\$86,172		Funded by state infrastructure loan. Scheduled for FY 2017.
Pump Station No. 2 Improvements	FY 2020		\$645,140		<b>Unfunded</b>
Date Street Repair	FY 2020		\$33,016		<b>Unfunded</b>
Blossum Gulch Bursting	FY 2021		\$38,472		<b>Unfunded</b>
Blossom Gulch Lining	FY 2021		\$148,542		<b>Unfunded</b>

Mingus Park Area Lining	FY 2021		\$231,229		Unfunded
Englewood Bursting	FY 2021		\$180,028		Unfunded
Empire Pipe Bursting	FY 2021		\$112,430		Unfunded
Empire Pipe Replacement	FY 2021		\$15,778		Unfunded
Central Town Area Lining	FY 2021		\$164,008		Unfunded
Hemlock/Ocean Blvd Bursting	FY 2021		\$83,134		Unfunded
Ferguson Lining	FY 2021		\$121,734		Unfunded
Pump Station No. 19 Improvements	FY 2021		\$747,081		Unfunded
4th Street Lining	FY 2022		\$496,245		Unfunded
Elrod Lining	FY 2022		\$115,341		Unfunded
Elrod Bursting	FY 2022		\$340,444		Unfunded
Elrod Bursting	FY 2022		\$35,805		Unfunded
Patching	FY 2022		\$269,385		Unfunded
Pump Station No. 18 Improvements	FY 2022		\$330,407		Unfunded
Myrtle Ave. Lining	FY 2023		\$118,099		Unfunded

<b>Pump Station No. 12 Improvements</b>	FY 2023		\$1,754,501		<b>Unfunded</b>
<b>Pump Station No. 13 Improvements</b>	FY 2024		\$860,300		<b>Unfunded</b>
<b>Pump Station No. 14 Improvements</b>	FY 2026		\$340,612		<b>Unfunded</b>
<b>Allowance for Emergency Needs</b>	Annual		\$14 million (20-year cumulative projection)		A total of \$500,000 is budgeted annually for emergency repairs and drainage. Funded from wastewater fees.
<b>Allowance for Drainage Projects</b>	Annual		\$7 million (20-year cumulative projection)		See above.

**Additional notes \***

**Pump Station 1,  
Pump Station 16**

Pump Station 1's aging pumps and generator need increasingly frequent repair, and replacement parts are costly and difficult to obtain. Leaks in the deteriorating building are further damaging the equipment. Because PS1 is the city's largest-capacity pump station, a failure could cause a sewer overflow. Its priority has been moved up, delaying the PS16 project one year.