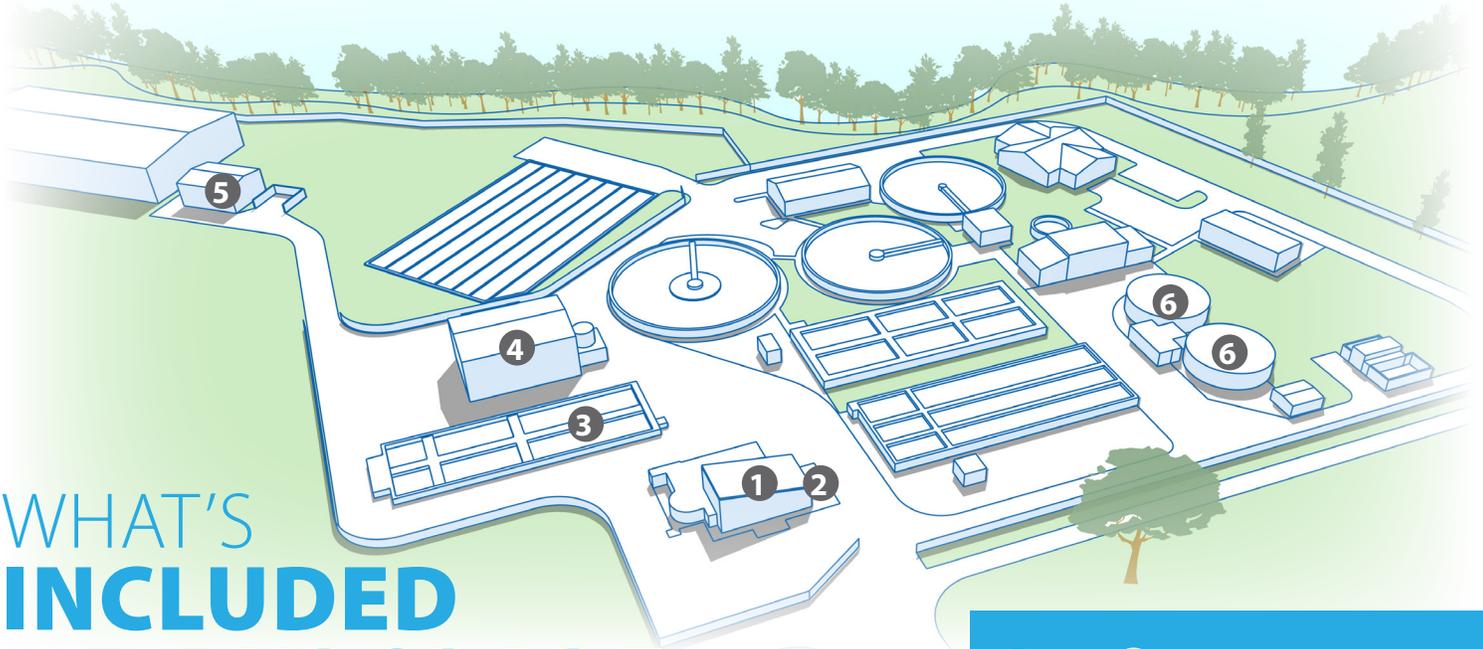


Spring Street Treatment Plant Upgrade



The City of Klamath Falls is working to significantly upgrade the Spring Street Sewage Treatment Plant due to its aging infrastructure and the need to meet new, stricter treatment standards. The plant has been in operation since 1958, serving the City for over 60 years. The improvements will incorporate advanced technologies and processes to meet more stringent water quality limits, and to increase the plant's reliability and resiliency for decades to come.



WHAT'S INCLUDED IN THE UPGRADE?

Designs for the upgraded plant are now complete. Some of the new key features and systems include:

1. A **new pump station** will lift flows from the sewer system deep underground up to the surface where the treatment takes place.
2. An **improved headworks facility** will remove large debris from the waste water such as rags, sticks, and rocks.
3. An **additional aeration basin** will hold billions to trillions of microorganisms which consume pollutants in waste water and is one of the most essential parts of the treatment process.
4. A **new BioMag® system** uses cutting edge technology to cost-efficiently settle out solids.
5. A **new screw press** will process and squeeze solid particles after they are removed from the waste water to remove excess water.
6. **Conversion of one digester** to W.A.S. (Waste Activated Sludge) storage provides efficient reuse of existing infrastructure.
7. **Hydraulic improvements** to existing facilities. Modifications will pass higher flows through the facility.

Project Timeline



Benefits

The upgraded water treatment plant will:

- Improve public health, safety, and welfare
- Provide more reliable and resilient service
- Enhance water quality and fish habitat in Lake Ewauna and the Klamath Basin
- Be energy efficient

Cost & Funding

The project cost is estimated in the \$50 million range. The upgrades are being funded through a combination of:

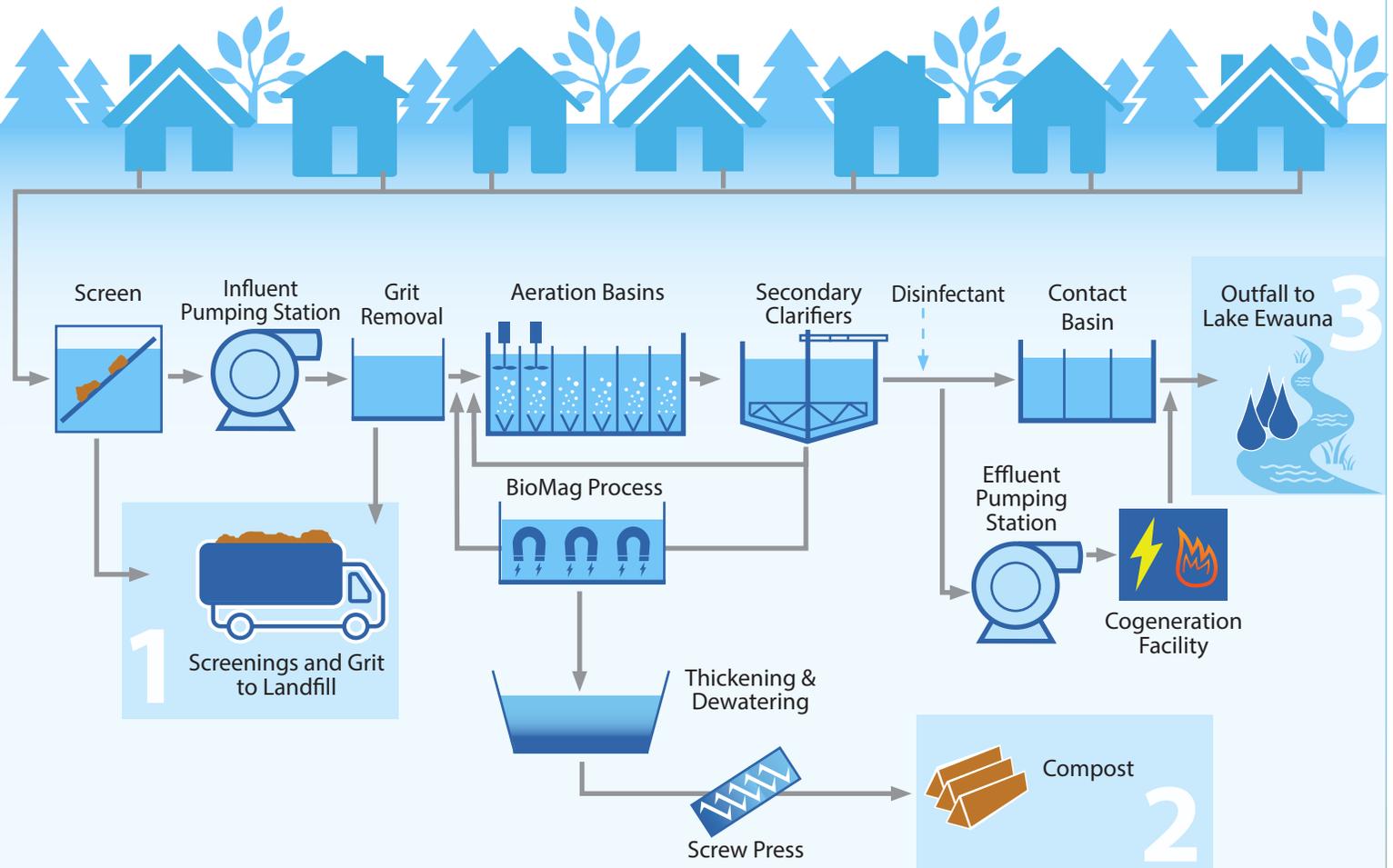
- Incremental ratepayer increases
- Low-interest loans from the State of Oregon
- City funds
- Energy Trust of Oregon funds

SEE HOW
WASTEWATER
IS TREATED!



How is Waste Water Treated?

Below is a diagram illustrating how waste water flows through the upgraded plant's treatment process.



The treatment process results in three different outcomes:

1 **Screenings** and **grit** are driven to the **landfill**

2 **Solids** are **dewatered** to create **compost**

3 The **remaining water** is **released** into **Lake Ewauna**

CONTACT US:

Mark Willrett, *Director of Public Works*, CityPublicWorks@klamathfalls.city, www.klamathfalls.city/390/Treatment-Plant-Upgrade-Project