Project Identifier:	**SS-4**	CIP Budget:	**$400,000**
Project Name:	**Upgrade Well No. 3 for PWS Use in High Service Level**	Funding Source:	**Rates**

PROJECT DESCRIPTION: This project includes upgrades to the City's existing Well No. 3 facility to bring it up to City standards as a PWS source of supply. This well is approved for drinking water use by IDEQ, but is currently used only for irrigation at the nearby cemetery. Upgrades necessary to bring Well No. 3 in line with City standards are anticipated to include the following:

- Improvements to the existing well house or construction of a new well house
- Yard piping improvements
- Complete electrical and rehabilitation
- Instrumentation, communication, and controls upgrades
- Replacement of the existing pump and motor
- Addition of chlorination facilities

NEED OR JUSTIFICATION: The High System accounts for the majority of customer water demand within the City's PWS. The WTP is currently the sole source of supply for the High System. An aging WTP, increasingly at risk of major failure, increases the chance of an event during which the High System has insufficient available supply to meet local system demand, potentially resulting in water shortage and system depressurization. The addition of Well No. 3 as a PWS source of supply provides local redundancy and reduce the City's dependence on the WTP to supply the majority of customer demand.

The upcoming planned WTP improvements require the WTP be taken out of service for a period of time facility upgrades are under construction. The City currently has the ability to supply water to the High System from Well No. 6 via the West System by manually operating a series of pressure reducing valves. However, with the anticipated demand increase in the High System due to the Community Park development, it is unlikely Well No. 6 has sufficient capacity to meet near-future demands in both the West and High Systems. In order to meet system demands during the WTP improvement project, additional sources of supply are needed in the High System.