

<b>Project Identifier:</b> SS-5	<b>CIP Budget:</b> \$186,000
<b>Project Name:</b> Upgrade Well No. 2 for PWS Use in High Service Level	<b>Funding Source:</b> Rates

**PROJECT DESCRIPTION:** This project includes upgrades to Well No. 2, which is currently used solely for irrigation, to allow use as a PWS source of supply. Along with distribution system improvements in the Low Service Level, this well will provide additional source of supply capacity during WTP rehabilitation and outages. The following upgrades will be installed at the Well No. 2 facility:

1. Addition of chlorination facilities
2. Instrumentation, Communications, and Control Upgrades
3. Addition of pump to waste piping

**NEED OR JUSTIFICATION:** The City currently uses Well No. 2 exclusively for irrigation of the ball fields and the rose garden. The City is interested in utilizing the well facility for drinking water purposes. IDEQ will require that the well facility meets the regulatory requirements of IDAPA 58.01.08 – Idaho Rules for Public Drinking Water Systems. IDEQ will therefore require that the well facility be equipped with a disinfection system and pump to waste facilities.

<b>Project Identifier:</b> SS-6	<b>CIP Budget:</b> \$60,000
<b>Project Name:</b> Low to High System Intertie Located at WTP Clearwell	<b>Funding Source:</b> Rates

**PROJECT DESCRIPTION:** This project consists of constructing an intertie pipe between the Low System booster discharge piping and the FWPS wet well. The intertie will be fitted with a flow meter to measure the amount of water being transferred. An actuated control valve will allow the system operator to select the flowrate being diverted from the low system into the FWPS wet well. In this manner, water from the Low Reservoir in the Low System can be pumped into the High System using the FWPS high service pumps.

**NEED OR JUSTIFICATION:** Currently, the WTP provides the only source of supply to the High System. The current operating regime of the WTP creates high demands on the High Reservoir to supply water to the High System at night, when the WTP is not operating. The Low System intertie will allow flow from the Low System back into the FWPS wet well which can then be pumped to the High System via the high service booster pumps in the FWPS. This will allow Wells No. 1A and 2 to be pumped into the high system and it will allow better use of the underutilized Low Reservoir volume.