

# What are Capital Improvement Projects?

Projects that **rehabilitate, repair and upgrade aging facilities and infrastructure** to meet state and federal regulations.

# Why are they important?

San Juan Water District's projects:

- Maintain a **reliable, high-quality drinking water supply**.
- Comply with existing and new regulations.
- Increase the efficiency of San Juan services.

# How are the projects funded?

Several ways. Rates from customers throughout our wholesale area, property taxes and state and federal grants. **Over \$6 million in federal and state grants have been used** toward projects including the solar power project and water treatment plant improvements.

# Is there a plan for CIPs?

Yes! The District has been actively underway with a 10-year wholesale CIP program since 2007. San Juan has been able to **finish many projects ahead of schedule and under budget**. The end result? This **saves customers money**.



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# Capital Improvement Projects

1. Protect your water supply
2. Improve your water quality
3. Increase the reliability of your water delivery

Folsom Dam provides an average of 51.4 million gallons of water daily to San Juan Water District.

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## WATER UPDATE

San Juan Water District provides high-quality drinking water to:

- Citrus Heights Water District
- Fair Oaks Water District
- Orange Vale Water Company
- San Juan Water District Retail
- City of Folsom customers, north of the American River



# Who is San Juan Water District?

San Juan Water District Wholesale **takes raw water from Folsom Lake, treats it and delivers high-quality water** to its wholesale customers:

- Citrus Heights Water District
- Fair Oaks Water District
- Orange Vale Water Company
- San Juan Water District Retail
- City of Folsom customers, north of the American River

Together, the five water agencies serve **265,000 customers** in northeastern Sacramento County and portions of south Placer County, including Granite Bay.

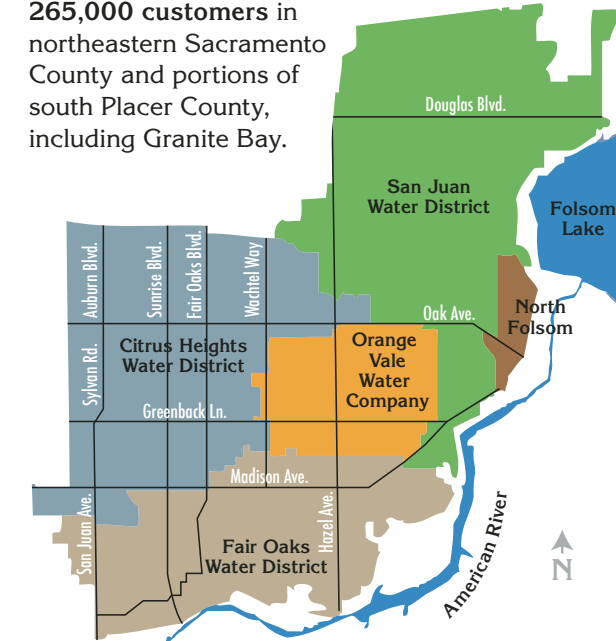




Photo by Unique Aeriography

## Clean Solar Power is Good for Water & Rates

When San Juan's solar panels come on line, they will supply almost 90% of the district's power, saving up to \$12 million over 25 years.\* By using solar energy, San Juan will save rate payers money and reduce its carbon footprint.

Installation of the panels on San Juan owned property will be complete in June 2011. Of the total \$5.5 million construction cost, approximately \$2 million will be offset by a California Solar Initiative grant. The project will pay for itself in energy savings within nine years. The Board of Directors will celebrate the installation this summer when power is activated.

*\*Savings are dependent upon the cost of power from PG&E throughout the life of the project.*

**Completed June 2011**



## Moving Treated Water More Efficiently Benefits all Customers

By installing 1,200 feet of massive pipelines, San Juan will move treated water around the treatment plant and between two major transmission pipelines more efficiently and more reliably. Together, the pipelines are responsible for conveying up to 120 million gallons a day!

Improvements to the water treatment plant benefit all 265,000 customers who drink water treated by San Juan. The added pipelines improve operational flexibility at the plant and allow for maintenance and repair to the original pipeline. Without these improvements, failure of the original pipeline would leave San Juan unable to deliver any treated water to their customers.

**Completed July 2011**

## A Pipeline In Need of Support

Over 35,000 people depend on a 40-inch pipeline to deliver water from San Juan's water treatment plant to its customers. Constructed in 1954, the two-mile pipeline delivers up to 14,000 gallons a minute during peak demands. **If the 66-year old pipeline were to fail, customers would be without water and property could be damaged.**

Construction began earlier this year and will take two years to complete with an estimated total cost of \$3.6 million. Improvements will:

- Fix leaks.
- Prevent further corrosion.
- Replace and support a 65-foot section of pipeline that spans a ravine.
- Reduce the possibility of pipeline failure.

**Estimated completion 2013**



Of the water that passes through the 40" pipeline:

- 90% goes to Fair Oaks Water District
- 8% goes to San Juan retail customers
- 2% goes to Orange Vale Water Company

## OTHER RECENT CAPITAL IMPROVEMENT PROJECTS



### Water Treatment Plant Sedimentation Basin

Increases water supply reliability

**Completed April 2010**



### 72-inch Raw Water Pipeline

Increases water supply reliability

**Completed June 2010**



### Water Treatment Process Improvements

Increases water treatment capacity and significantly reduces costs

**Completed June 2011**



### Water Treatment Plant Control System Upgrades

Updates technology to increase operational efficiency

**Estimated completion June 2012**