GLENDALE WATER SUPPLY IMPROVEMENT PROJECT

by

Truckee Meadows Water Authority
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September, 2010
TMWA Surface Water Supply

- **Treatment Plants**
  - Chalk Bluff (northwest Reno)
  - Glendale (west Sparks)
Treatment Plant Locations

Chalk Bluff

Glendale

Reno

Sparks
Treatment Plant Diversions

- **Chalk Bluff Plant**
  - Highland Canal - uses the diversion weir serving the Washoe Hydroelectric Facility (1905)
  - Chalk Bluff Diversion - on river just south of treatment plant and adjacent to the Orr Ditch (1994)
Treatment Plant Diversions

- Glendale Plant
  - Diversion point for the Truckee and Sessions Ditches (1930s)
  - Rock rubble structure (rebuilt 1976)
Existing Glendale Diversion
Glendale Water Treatment Plant

- Opened 1976; upgraded 1994, 1996
- State-of-the-art treatment
  - Serves up to 1/3 of all TMWA customers
  - Treats groundwater high in arsenic
- Diversion does not work in drought years
- Needs reliable supply
Existing Glendale Diversion Structure

- Provides surface water to the Glendale Treatment Plant
  - Normal years: cannot operate plant at full capacity
  - Drought years:
    - Cannot capture all of community’s released storage reservoir water
    - Requires large equipment in the river to install a temporary water-tight diversion
- Sustains flood damage
- Fish passage and boat safety issues
Glendale Water Supply Improvement Project Goals

- Provide a reliable water supply to the Glendale Water Treatment Plant
- Incorporated public input for design
- Currently Under Construction
Project Criteria

- **Reliable Water Supply for Glendale WTP**
  - Allow full capacity treatment in normal flow years
  - 100% capture of released storage water for TMWA customers in drought years

- **Cost Effective**

- **Technically Feasible**
Project Criteria (con’t)

- Harmonious with the Truckee River Flood Project
- Environmentally Sensitive Design
- Supported by the Community
Public Involvement Process

Meeting #1
Design Elements

Meeting #2
Preliminary Design

Meeting #3
Design and Permitting

Construction 2007

Working Group Meetings
Process

- Obtained public and agency input through working group meetings and general public meetings
- Gained consensus on preferred project alternative - Linked project to other Truckee River Initiatives
- Completed final design and obtained permits
- Secured project financing through the State with SRF loan
- Started construction in July with projected completion in December
Contacts and Information

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