

## Town of Payson Comprehensive Water Management

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Forum on Water Management for Small Towns  
Clarkdale, AZ – June 26th-27th, 2014



## PAYSON WATER CHALLENGES

- 43 Drought Sensitive In-town Groundwater Wells
- Growth Pressure on Limited Water Supply
- State Laws Not Conducive to Growth Management vis a vis Available Water Supply
- Tonto National Forest Public Lands Off-Limits for Public Water Supply
- Conflict with Downstream Water Rights Holders
- No Nearby Water Producer for Water Development Partnership



## PAYSON WATER OPTIONS

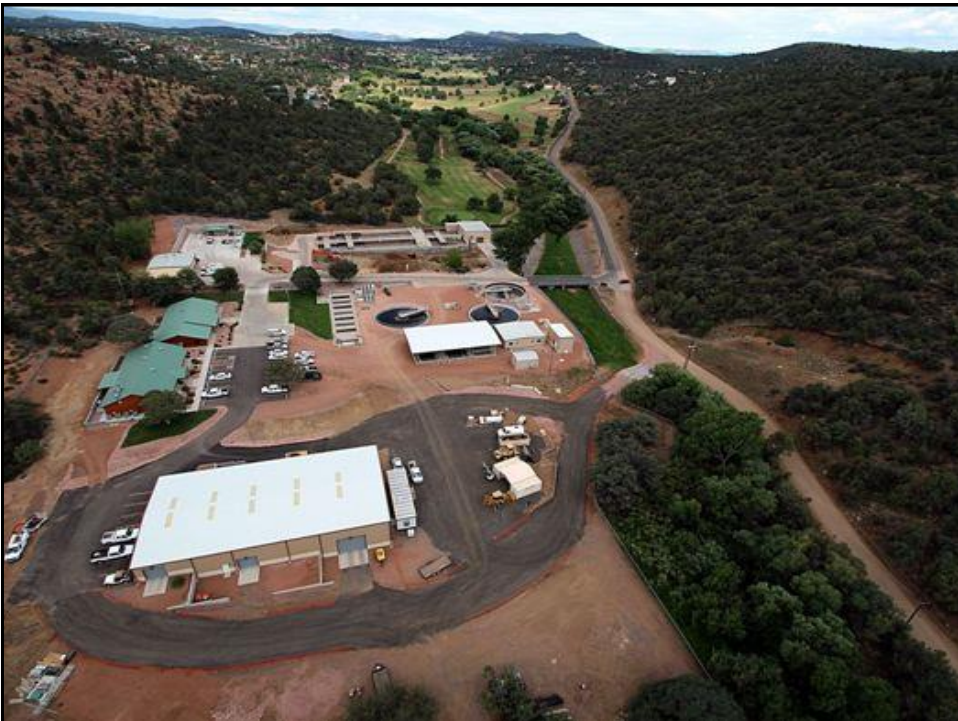
- Groundwater – No Additional Within Town Limits
- Wastewater – Available
- Contaminated Groundwater – Available
- Surface Water – Available but \$50M Distant
- Water Conservation

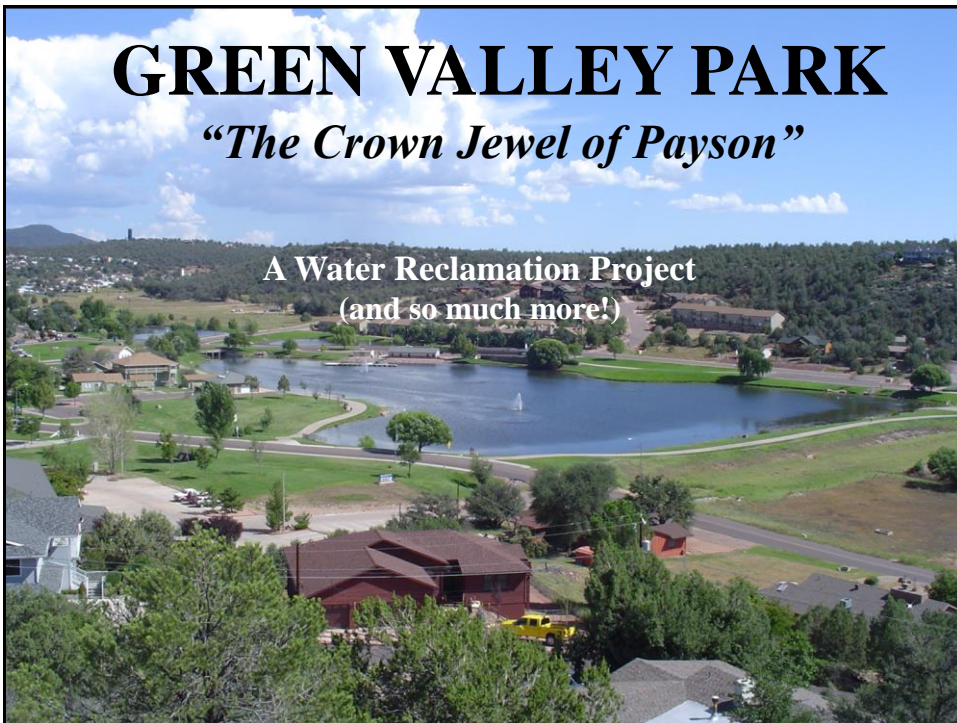


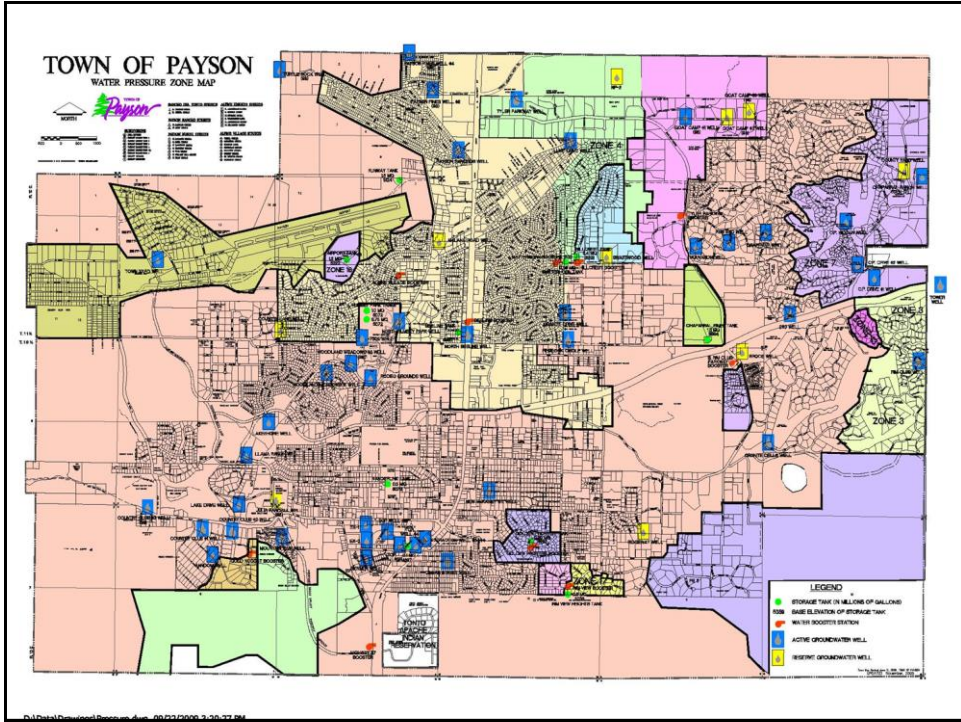
## PLAN OF ACTIONS

- 1994 - Pursue Blue Ridge Reservoir Surface Water Supply
- 1998 - Payson Water Resources Management Plan
- 1998 - Construction of Green Valley Park Water Reclamation Project
- 2000 - Construction of WQARF Groundwater Treatment Plant
- 2002 - Enacted Water Conservation Resolution #1742



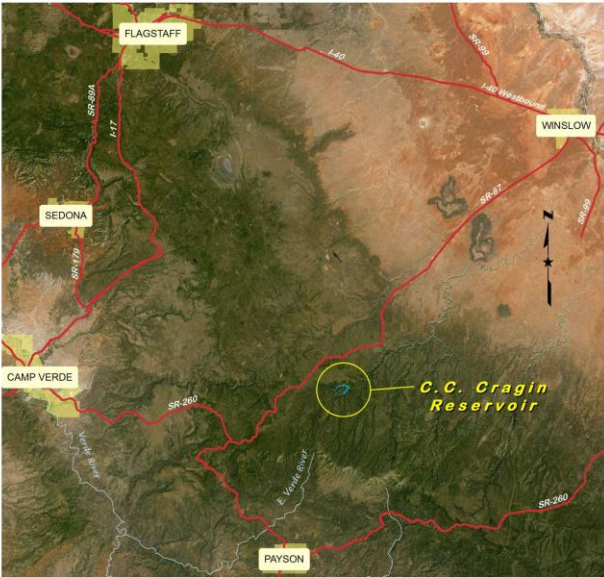


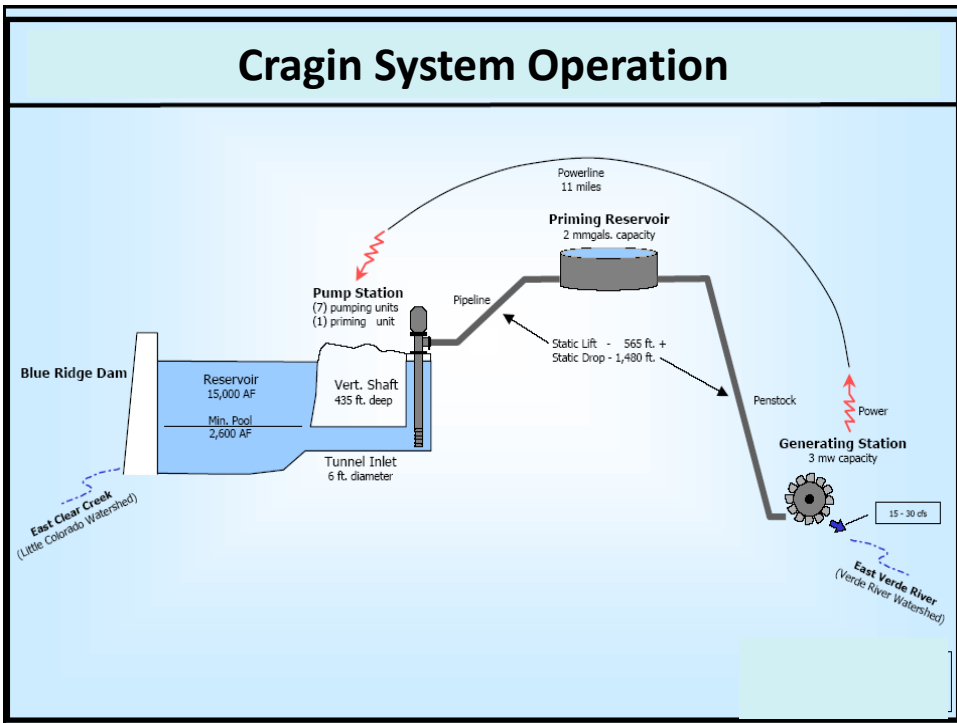


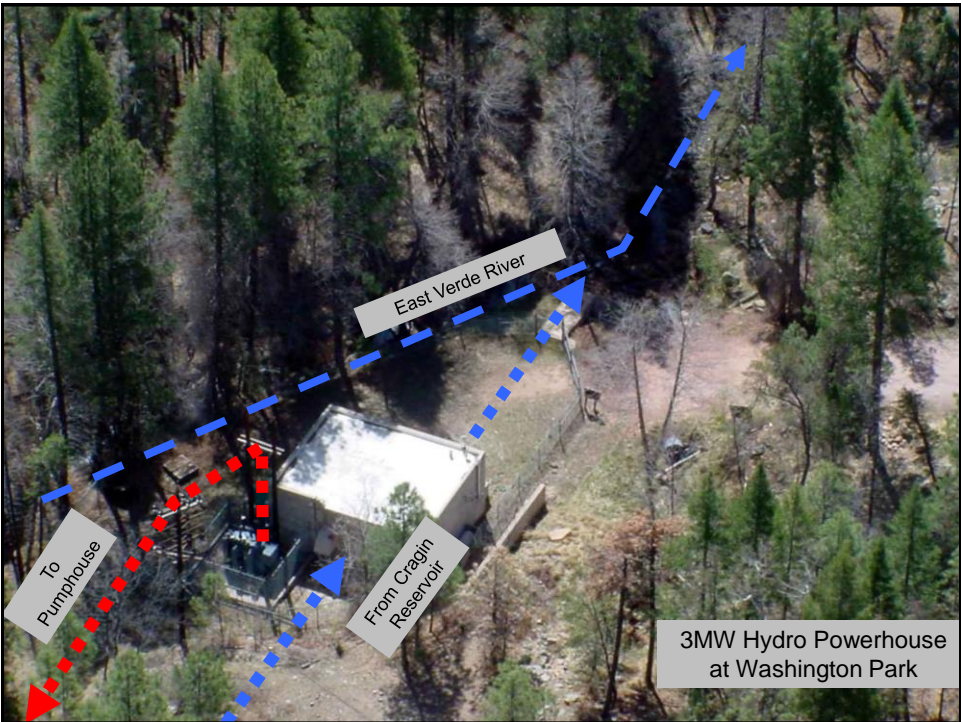




# Project Location Map





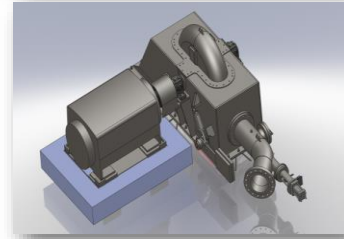
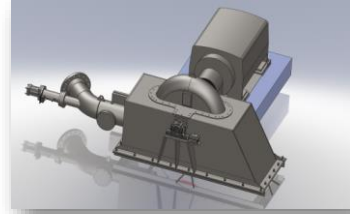






## *New Hydroelectric Facility*

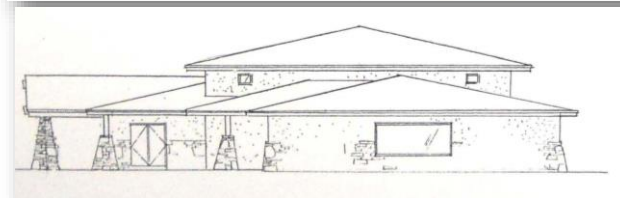
- Raw Waterline Creates a Penstock Perfect for a Hydro Facility
- Study Performed
- Pelton Type Turbine
- 235 kW Power Generation
- Sell **Green** Power Back to Grid at a Premium
- Buy Power for Plant at Lower Cost
- Net Income for the Town



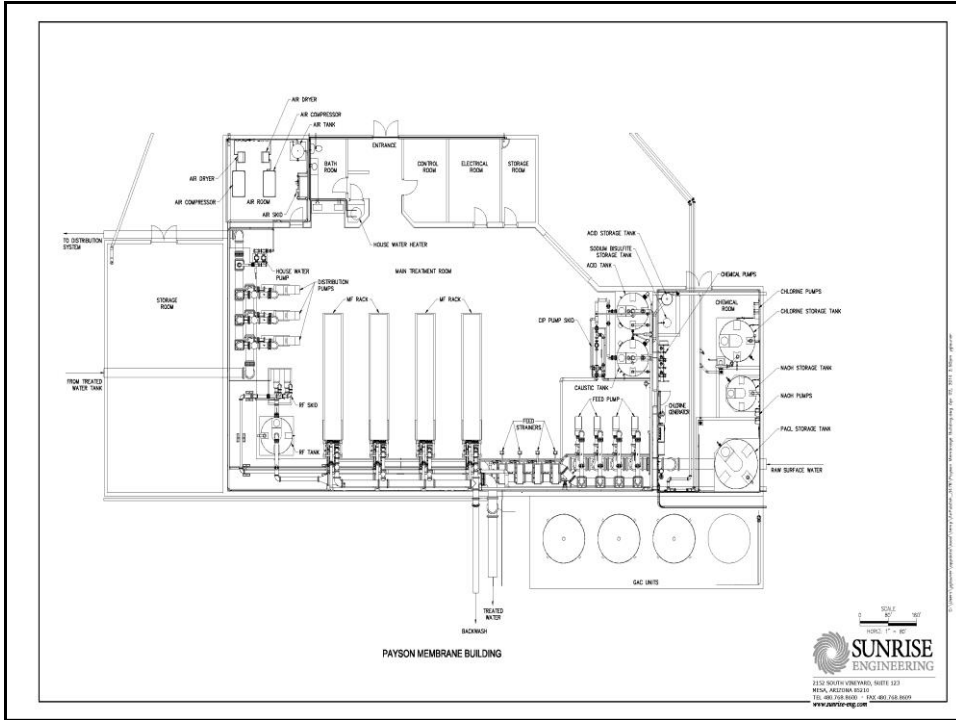
*Payson*

## *New Water Treatment Plant*

- Early Water Treatment Plant Design & Renderings



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## *Questions & Comments?*



 Payson