



COW CREEK BAND OF UMPQUA TRIBE OF INDIANS

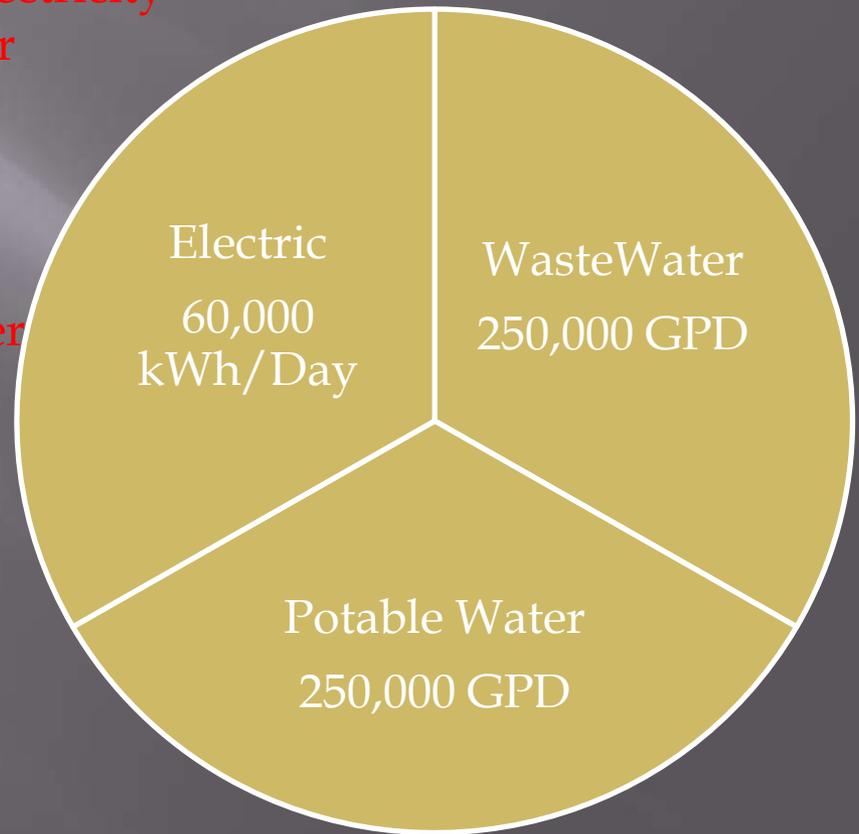
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Umpqua Indian Utility Cooperative

- Seven Feathers Hotel and Casino
- Holiday Inn, UIUC does not provide electricity
- Seven Feathers Truck and Travel Center
- Seven Feathers RV Park
- Seven Feathers Rest Stop
- Keyline Construction- Utility Electrical contractor
- Tri-Axis Engineering- Electrical Engineer
- Margaret Schaff- Utility Attorney
- Employees 4 Journey men electricians, 1 signing supervisor, 2 water/waster Operators.



What was Creekside Development and the Challenges

- Construction of Potable Water, Waste Water and Electrical Infrastructure and Facilities on 600 Acres from 2003 -2008

Infrastructure

- - 27,575 LF of sewer piping
 - 16,000 LF of Raw water distribution piping
 - 8,000 LF of potable water distribution piping
 - 15,000 LF of irrigation distribution piping
 - 18,000 LF of electrical distribution (includes high and low voltage)
 - Installation of 40 transformers transforming 12,000 volts down to 480/240/120
 - 18,000 LF of communication distribution piping
 - Construction of 1 mile of paved public road ways
 - 3 bridges to cross Jordan Creek
 - Construction of 6 miles of maintenance roads

Facilities

- - 192 space RV Park
 - Rest Stop with a Travel Center
 - Expansion of Truck and Travel Parking Lot w/ShurePower hook ups
 - Potable Water Dam/Reservoir(Dam#1)
 - Potable Water Plant
 - Million gallon storage tank
 - 4 Raw Water Pump Stations(RWPS)
 - Waste Water Dams/Reservoir(Dam#3)
 - Waste Water Treatment Plant(WWTP)
 - Waste Water Lagoon
 - Surge Pond
 - 7 Waste Water Pump Stations(WWPS)
 - 2 Irrigation Water Pump Stations(IWPS)

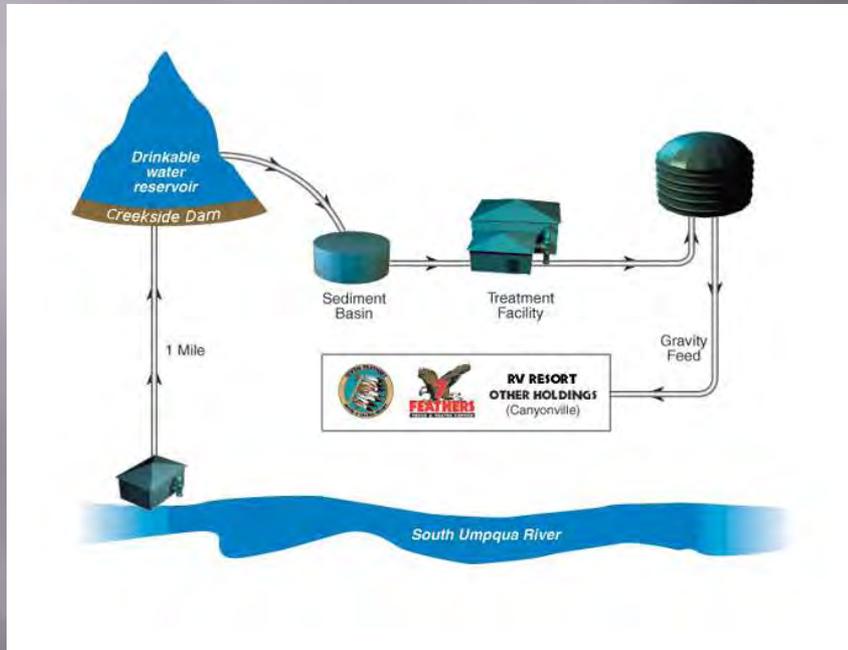


ELECTRICAL SYSTEM



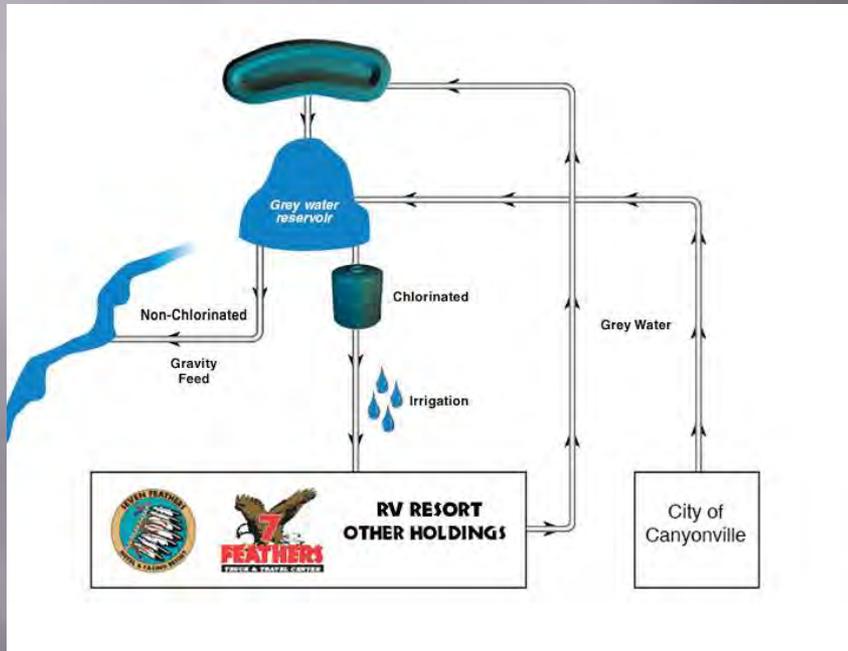
- 5 Customers
 - Served First Customers in 2004
- Buy Power from Bonneville Power Administration (BPA) and transmit through Pacific Power lines then Tribal Utility Lines
- 2 Point of Delivery(POD)
- BPA delivers at 12,000 volts and we transform that that to various services of 480/240/120 for our customers. Via 40 transformers.
- Peak demand at the Casino 1.4 MW
- Utility was formed to create a cost saving for the tribe.
- All lines are underground
- Challenges
 - Getting Distribution Piping under I 5
 - Abnormal low voltage delivery.

WATER SYSTEM



- 5 Customers
 - Served First Customers Nov, 07
- 376 Acre Ft(123,000,000 gal.) Potable Water Dam/Reservoir
 - Web base 24/7 monitoring system
 - 6 piezometers, 3 inclinometers, drain flows
 - Completed First Fill Summer 08
- Potable Water Treatment Plant can treat up to 500,000 GPD
 - Operated by UIUC
- Million Gallon Storage Tank
- 4 RWPS
- Tie into City Of Canyonville

WASTE WATER SYSTEM



- 5 Customers
 - Served First Customers Nov, 06
- 17.5 Acre Ft(6,000,000 gal.) Lagoon
- 176 Acre Ft(57,000,000 gal.) WasteWater Dam/Reservoir
 - Web base 24/7 monitoring system
 - 6 piezometers, 3 inclinometers, drain flows
 - Started First Fill June, 08
- Waste Water Treatment Plant can treat up to 500,000 GPD
 - Reclaim waste water for irrigation on tribal land
- Million Gallon Surge Pond
- 7 WWPS
- Challenges
 - Moving Water uphill (530')

CURRENT ACTIVITIES



- Negotiating third POD with BPA
 - 3.5 MW service in Roseburg, Or.
- Utilized DOE block grant to re lamped 165 street lights with LED bulbs.
- Investigating Alternative Energy Possibilities.

QUESTIONS