

**INTEGRATED RESOURCE PLAN (IRP)**

Date: 8/15/2008

IRPs shall consider all reasonable opportunities to meet future energy resource requirements using Demand Side Management techniques, new renewable resources and other programs that will provide retail consumers with electricity at the lowest possible costs, and minimize, to the extent practicable, adverse environmental effects.

To meet your Integrated Resource Planning reporting requirement, complete the following. Unaddressed items will be deemed incomplete and not eligible for approval. Western reserves the right to require customers to provide any supporting back-up data used to support and develop this report.

**Customer Contact Information:**

(Provide contact information for your organization. Contact person should be able to answer questions concerning the plan)

<b>Customer Name:</b>	Trinity Public Utilities District
<b>Address:</b>	Post Office Box 1216, Weaverville, CA 96093
<b>Contact Person:</b>	Rick Coleman
<b>Title:</b>	General Manager
<b>Phone Number:</b>	(530) 623-4564
<b>E-Mail Address:</b>	
<b>Website:</b>	

**Type of Customer:**

(Check one as applicable)

<input type="checkbox"/>	<b>Municipal</b>
<input type="checkbox"/>	<b>State</b>
<input type="checkbox"/>	<b>Federal</b>
<input type="checkbox"/>	<b>Irrigation District</b>
<input type="checkbox"/>	<b>Water District</b>
<input checked="" type="checkbox"/>	<b>Other (Specify) Public Utility District</b>

**Identification of Resource Options (considerations that may be used to develop potential options include cost, market potential, consumer preferences, environmental impacts, demand or energy impacts, implementation issues, revenue impacts, and commercial availability):**

**Supply-side options:**

(Including, but not limited to: purchase power contracts and conventional and renewable generation)

<b>List existing supply-side options:</b>	<b>List future supply-side resource options considered and evaluated:</b>
Western First Preference power pursuant to the TRD Act of 1955	1 MW hydroelectric at Lewiston Powerplant
	Various solar panels

**Demand-side options:**

<b>List existing demand-side options:</b>	<b>List future demand-side resource options considered and evaluated:</b>
Affordable Comfort Program (see asterisked items under Energy Consumption Improvements)	Many as reported to the State pursuant to SB 1037 and AB 2021

**Resource options chosen:**

(Provide a narrative statement that describes the option chosen and clearly demonstrates that decisions were based on a reasonable analysis of the options)

In 1955, Congress provided Trinity County mitigation for the adverse impacts from construction of the Trinity River Division of the CVP. That mitigation is a "First Preference" right to use up to 25 percent of the resulting energy. However, it can only be used in Trinity County the excess can not be sold to others. Currently this mitigation is about four times greater than TPUD's load. Consequently, TPUD has no near term need for other resource options.

However, TPUD is considering building a small (1 MW) hydro plant. Further, the TPUD is mandated by the State to offer a \$2.80 per MWh rebate to customers that install solar panels. The TPUD voluntarily increased the rebate to \$5.00.

**Action Plan:**

**Specific Action Items to be Implemented Over the Next 5 Years:**

(Lists are not meant to be inclusive, complete and provide other action items as applicable)

**Energy Consumption Improvements:**

<b>Proposed Items</b>	<b>Begin Date</b>	<b>End Date</b>	<b>Est. kW savings per year</b>	<b>Est. kWh savings per year</b>	<b>Milestones to evaluate accomplishments</b>
Boiler, Furnace, air conditioning retrofits					
Weatherization, insulation storm windows/doors	*	Open - no end planned			
Insulation of air ducts, boilers, pipes, etc.	*	Open - no end planned			
Clock thermostats and equipment system timers					
Heat pumps	*	Open - no end planned			

Energy audits					
Public education programs					
Loan arrangements or rebate program for energy efficient equipment	*	Open - no end planned			
Use of infrared heat detection equipment					
Energy efficient lighting	*	Open - no end planned			
Equipment inspection programs					
Electric motor replacements					
Upgrading of distribution lines/substation equipment					
Power factor improvement					
Other:					

**Renewable Energy Activities:**

Proposed Items	Begin Date	End Date	Est. kW savings per year	Est. kWh savings per year	Milestones to evaluate accomplishments
Solar thermal/photovoltaic projects	2007	Open – no end planned	3.3		
Day lighting technologies					
Active solar installations					
Active solar installations					
Biomass/refuse-derived fuels					
Geothermal projects					
Small-scale hydro projects	2007	2010	1,000	8,000,000	When the project becomes operational
Other:					

**Load Management Techniques:**

Proposed Items	Begin Date	End Date	Est. kW savings per year	Est. kWh savings per year	Milestones to evaluate accomplishments
Load management devices/systems					
Demand control techniques & equipment					
Smart meters or automated equipment					
Time-of-use meters					
Other:					

**Rate Design Improvements:**

Proposed Items	Begin Date	End Date	Est. kW savings per year	Est. kWh savings per year	Milestones to evaluate accomplishments
Cost-of-service pricing					
Elimination of declining block rates					
Time-of-day rates					
Seasonal rates					
Interruptible rates					
Other:					

**Agricultural Improvements:**

Proposed Items	Begin Date	End Date	Est. kW savings per year	Est. kWh savings per year	Milestones to evaluate accomplishments
Irrigation pump utilization/scheduling					
Irrigation pump testing or efficiency improvements					
Electric motor replacement					
Photovoltaic pumping systems					
Ditch lining or piping					
Laser land leveling					
Pumpback systems					
Water conservation programs					
Other:					

**Environmental Effects:**

(Provide a narrative statement that sets forth the efforts taken to minimize adverse environmental effects of new resource acquisitions)

The TPUD Board adopted a policy stating that all new resource acquisitions shall meet the State's definition of "Eligible Resource."

**Public Participation:**

(Customers must provide ample opportunity for full public participation in preparing and developing an IRP. Provide a brief description of public involvement activities, including how information was gathered from the public, how public concerns were identified, how information was shared with the public, and how it responded to the public comments)

The TPUD Board meets every month. The public is encouraged to attend. All IRP-related discussions and decisions are made before the public. State requires that much of the information be reported to the customers annually. TPUD does so by adding a section to its annual budget that is made publicly available.

**Future Energy Service Projections:**

(Provide a load forecast to show expected growth or expansion; or a narrative statement concerning expected future growth)

Calendar Year	Peak Demand (kW)	Total Energy (kWh)
2009	19,100	100,000,000
2010	19,300	101,000,000
2011	19,500	102,000,000
2012	19,700	103,000,000
2013	19,900	104,000,000

or Narrative Statement:

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**Measurement Strategies:**

(Provide a brief description of measurement strategies for options identified in the IRP to determine whether the IRP's objectives are being met. These validation methods must include identification of the baseline from which a customer will measure the benefits of its IRP implementation)

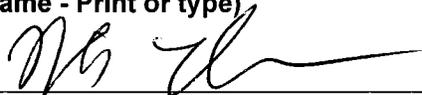
Given the small size of the program, the remoteness of the TPUD from any expertise capable of providing measurement, and given that the customers involved are spread out over an area the size of the State of Vermont, no "measurement strategy" was identified that would cost less than the program itself unless the sample size was so small (one or two) as to render the information collected virtually meaningless. The cost of energy saved from the program is not expected offset program costs, meaning the TPUD would continue with the program even if a measurement strategy proved that the program was not cost effective.

**Other Information:**

(Provide/attach additional information if necessary)

**IRP Approval:**

(Indicate that all of the IRP requirements have been met by having the responsible official sign below; or provide documentation that the IRP has been approved by the appropriate governing body)

Rick Coleman <hr/> <b>(Name - Print or type)</b>  <hr/> <b>(Signature)</b>	General Manager <hr/> <b>(Title)</b>  September 30, 2008 <hr/> <b>(Date)</b>
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