

DOCKET**09-IEP-1B**

DATE FEB 12 2009

RECD. FEB 13 2009

From: Jim Woodward
To: Docket Optical System
Date: 2/12/2009 11:46 AM
Subject: 09-IEP-1B Truckee Donner PUD Electricity Resource Forms
Attachments: 2009 Small POU Supply Forms 1-23-09 TDPUD.xls; 2009 Supply Form S-3 adopted 12-17-08 - TDPUD.xls; **Ltr 2009 forecast TDPUD with attachments 11-12-2008.pdf**

>>> Stephen Hollabaugh <stephenhollabaugh@tdpud.org> 2/12/2009 8:34 AM >>>

Jim,

Frankly since Truckee Donner PUD's load and resources are not in the State's transmission grid I am not sure what value this data has for the CEC. As you stated below, Truckee's load probably will not be used for forecast of the coincident peak demand in the CAISO. Since our data isn't in the CAISO, the use of this data seems questionable. Also, using this form for some aggregate estimate on emissions and renewable procurement is questionable at best. Truckee plans to purchase more renewables in the future and much of this energy does not include capacity that can be counted on. This is due to the non-firm energy from wind, run of the river small hydro and solar etc.

None the less, I have filled out the forms for your reading pleasure. In the future I will be using the "Alternate Filing Format" and sending in the required information that our Transmission Provider (NVEnergy) requires in their OATT. I have attached that information also to this e-mail. I hope the information provided will help you prepare the CEC 2009 Integrated Energy Policy Report as the Executive Summary states.(not sure how it will?)

If you have any questions or just want to discuss this, please call me at (530) 582-3934. Have a great day, were finally getting some snow up here. Looks like a late winter.

Stephen Hollabaugh, P.E.
Assistant General Manager
Truckee Donner PUD
(530) 582-3934
(530) 587-1189 fax
www.tdpud.org

-----Original Message-----

From: Jim Woodward [<mailto:Jwoodwar@energy.state.ca.us>]
Sent: Wednesday, January 28, 2009 2:16 PM
To: Stephen Hollabaugh
Subject: CEC corrected S-1 and S-2 forms

Stephen,

The California Energy Commission is asking all publicly owned electric utilities to file electricity resource plan data that is related to the state's concern for resource adequacy. The attached S-1 and S-2 forms have been simplified for small publicly owned LSEs who are not required to provide any forecast data beyond 2010. These forms have formatting in all column years to calculate sums automatically (like the example data shown for 2009). These filings are due by Friday, February 13, 2009.

On the S-1 Monthly and S-2 Monthly forms, LSEs may choose 2009 or 2010 for the forecast of monthly loads and resources. If 2009 is reported, an estimate of monthly peak loads in 2010 is also required on

line 1a of the S-1 Monthly form. Add columns or a separate tab as you wish.

The S-3 form is for reporting hourly loads in 2008. There is no obligation to copy data into this particular form. Hourly data other electronic formats (hopefully in Excel) is acceptable. Please designate the file as S-3 form data, and indicate if the hourly loads include distribution losses (which is usually the case).

(Frankly, Stephen, this request for Truckee-Donner's 2008 hourly load data may not be used here for analytical purposes. The hourly data from small POUs in CAISO and their 2010 monthly load forecast will be used here to forecast coincident peak demand for 2010 in CAISO. We do expect to use the historical 2007 and 2008 energy supply data for some aggregate estimates on emissions and renewable procurement.)

An S-5 form is required for each electricity supply contract or agreement that exceeds 90 days. This only applies to the procurement (not the sale) of capacity and/or energy. If the LSE has any Firm Sale Obligations, the numbers should be listed on line 13 of form S-1 and line 10 of form S-2.

Instructions for completing and submitting these forms are

<http://www.energy.ca.gov/2008publications/CEC-100-2008-010/CEC-100-2008-010-CMF.PDF>.

Here is a link to our report from last year summarizing how each publicly owned LSE has policies, plans, and procurement protocols to remain resource adequate. We'll update the numbers based on the filings we receive. If there are changes to the formally adopted resource adequacy policies or the procurement protocols, we want to update that information, especially the narrative information described on page 58 of our instructions. Other suggestions to the summary of your LSE also welcome, preferably on a page using track changes. This report is posted on our website at

<http://www.energy.ca.gov/2007publications/CEC-200-2007-016/CEC-200-2007-016-SF.PDF>

If you'd like a printed copy of these instructions or our report on resource adequacy progress among POUs, I can put these in the mail today. Please feel free to call or write with questions or concerns.
Happy Trails,

Jim Woodward
Electric Generation System Specialist 1
Electricity Analysis Office, CEC
1516 Ninth Street MS 20
Sacramento, CA 95814-5504



Truckee Donner Public Utility District

Directors

Joseph R. Aguera
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November 12, 2008

Chris Tomchuk
Business Development Executive
NV Energy (Sierra Pacific Power Company)
P.O. Box 10100 MS-S4B05
Reno, NV 89520-0024

Dear Chris Tomchuk:
Subject: Load and Resource Plans

Resource Plans:

For the calendar year 2009, Network Customer will utilize the IPP transmission line for the Network Customer's Network Load through the Gonder point of receipt (POR).

Load Forecasts:

I have enclosed the District's KW and KWH loading data for the next 20+ years by month. The KW sheet includes the peak KW for each month and the peak for the year in the far right column. **This forecast peak KW does not include transmission losses;** it is the forecasted load at District's meter. The load at each of the District's substations can be transferred to other substations. Therefore, the system projections are for the entire District's system.

The KWH sheet includes a forecast for each month and summed to an annual forecast from 2009 to 2029. This monthly KWH data includes the forecast for all of 2009 of maximum demand and total monthly energy. This data meets the requirements of 12.5 for the OATT.

"12.5 Five (5) Working Days before the end of the month, the Network Customer shall provide the Transmission Provider with a forecast for the following month specifying planned purchases, generation, maximum demand, total monthly energy, and operating reserves to be purchased from the Transmission Provider, a third party, or to be supplied by the Network Customer."

The data provided should be considered the Network Customers forecast of monthly energy. If the District has updated forecasts prior to each month, I will forward them to the Transmission Provider. If none is sent, the Transmission Provider should consider the enclosed data as the monthly forecast.

If you have any questions or comments, please give me a call or e-mail me.

Sincerely,

Stephen Hollabaugh
Assistant General Manager
Truckee Donner Public Utility District

Enclosure (1)

Monthly Peaks (KW) - Historical and Forecast

Truckee Donner Public Utility District

(Note: The Load at each Substation can be transferred to other Substations. Therefore the system projections are for the entire system.)

(This Load does not include Transmission Losses)

Year	Sum.Sys Sum.Sys												Yearly Total KW
	Winter	Winter	Winter	Winter	Winter	Winter	Winter	Winter	Winter	Winter	Winter	Winter	
	January	Feb	March	April	May	June	July	August	Sept	Oct	Nov	Dec	
1991	24,718	17,114	18,909	16,122	14,596	12,753	16,172	13,567	14,559	13,002	15,705	22,369	199,586 Actuals
1992	22,869	18,919	20,034	14,186	13,459	14,670	15,587	14,184	13,640	13,346	17,357	24,539	202,790 Actuals
1993	23,466	23,744	19,303	15,713	14,047	16,260	16,482	15,017	14,978	14,069	19,685	22,172	214,936 Actuals
1994	24,642	23,547	19,524	15,083	14,077	14,472	15,906	14,652	15,323	15,260	19,085	22,601	214,172 Actuals
1995	26,996	21,590	22,260	18,340	14,863	14,453	16,052	15,679	16,300	16,622	17,485	24,493	225,133 Actuals
1996	21,474	23,917	21,141	17,095	16,903	15,128	17,642	16,641	16,402	17,723	21,350	26,145	231,561 Actuals
1997	23,637	23,839	21,914	18,962	17,066	15,820	18,308	16,928	16,560	16,865	21,480	27,762	239,141 Actuals
1998	27,203	25,739	23,933	20,806	17,594	14,886	18,085	16,752	17,488	17,437	22,588	28,815	251,326 Actuals
1999	27,121	26,375	23,276	22,640	16,651	16,878	18,699	17,974	17,838	19,141	21,197	28,591	256,381 Actuals
2000	26,252	27,647	23,355	19,393	17,605	17,011	19,066	17,491	18,877	18,806	23,146	28,277	256,926 Actuals
2001	26,572	26,968	23,556	19,573	16,629	16,378	18,335	17,371	17,297	17,429	22,446	29,040	251,594 Actuals
2002	26,933	25,817	23,640	18,302	17,059	17,079	19,079	18,039	17,373	18,073	21,784	30,245	253,423 Actuals
2003	29,126	26,834	23,487	21,952	18,661	18,054	19,888	19,106	17,909	19,611	22,898	32,291	269,815 Actuals
2004	32,235	27,981	22,233	19,430	18,335	18,167	20,951	20,308	19,787	20,896	25,546	32,136	278,005 Actuals
2005	28,763	28,448	23,819	21,139	18,706	19,041	21,303	20,331	20,236	19,324	25,189	32,093	278,392 Actuals
2006	30,001	32,162	28,894	23,818	20,158	20,012	22,531	20,968	21,327	21,252	25,588	35,928	302,639 Actuals
2007	32,232	27,806	26,797	21,429	20,088	20,137	23,945	21,598	21,771	21,248	24,899	36,047	297,997 Actuals
2008	31,872	30,540	27,049	20,911	20,901	20,219	22,909	21,994	20,816	22,258	26,451	36,515	302,435 Estimate
2009	36,229	35,619	28,423	24,284	21,993	21,635	23,741	24,434	22,774	23,268	28,002	36,984	327,385 Forecast
2010	36,954	36,331	28,991	24,769	22,433	22,068	24,216	24,922	23,230	23,734	28,562	37,723	333,933
2011	37,693	37,058	29,571	25,265	22,881	22,509	24,700	25,421	23,694	24,208	29,133	38,478	340,612
2012	38,447	37,799	30,162	25,770	23,339	22,959	25,194	25,929	24,168	24,693	29,716	39,247	347,424
2013	39,216	38,555	30,766	26,285	23,806	23,419	25,698	26,448	24,652	25,186	30,310	40,032	354,372
2014	40,000	39,326	31,381	26,811	24,282	23,887	26,212	26,977	25,145	25,690	30,917	40,833	361,460
2015	40,800	40,112	32,009	27,347	24,768	24,365	26,736	27,516	25,648	26,204	31,535	41,649	368,689
2016	41,616	40,915	32,649	27,894	25,263	24,852	27,271	28,066	26,161	26,728	32,166	42,482	376,063
2017	42,448	41,733	33,302	28,452	25,768	25,349	27,816	28,628	26,684	27,263	32,809	43,332	383,584
2018	43,297	42,568	33,968	29,021	26,284	25,856	28,372	29,200	27,218	27,808	33,465	44,199	391,256
2019	44,163	43,419	34,647	29,602	26,809	26,373	28,940	29,784	27,762	28,364	34,134	45,083	399,081
2020	45,047	44,287	35,340	30,194	27,345	26,901	29,519	30,380	28,317	28,931	34,817	45,984	407,062
2021	45,948	45,173	36,047	30,798	27,892	27,439	30,109	30,988	28,883	29,510	35,513	46,904	415,204
2022	46,867	46,077	36,768	31,414	28,450	27,987	30,711	31,607	29,461	30,100	36,224	47,842	423,508
2023	47,804	46,998	37,503	32,042	29,019	28,547	31,325	32,239	30,050	30,702	36,948	48,799	431,978
2024	48,760	47,938	38,253	32,683	29,600	29,118	31,952	32,884	30,651	31,316	37,687	49,775	440,618
2025	49,735	48,897	39,018	33,336	30,192	29,701	32,591	33,542	31,264	31,943	38,441	50,770	449,430
2026	50,730	49,875	39,799	34,003	30,795	30,295	33,243	34,213	31,890	32,581	39,210	51,786	458,418
2027	51,744	50,872	40,595	34,683	31,411	30,900	33,908	34,897	32,527	33,233	39,994	52,822	467,587
2028	52,779	51,890	41,407	35,377	32,040	31,518	34,586	35,595	33,178	33,898	40,794	53,878	476,939

Points of Delivery for Truckee Donner Public Utility District

	Estimated Percent of Total Load
Truckee Substation (60,000 volts)	25.4%
Donner Lake Substation (60,000 volts)	11.3%
Tahoe Donner Substation (60,000 volts)	32.7%
Martis Valley Substation (120,000 volts)	26.4%
Glenshire Primary Meter (14,400 volts)	4.3%

Blue numbers are actuals
Red numbers are estimated
Black numbers are forecast

Monthly Energy (KWH) - Historical and Forecast

Truckee Donner Public Utility District

(Note: The Load at each Substation can be transferred to other Substations. Therefore the system projections are for the entire system.)

(This Load does not include Transmission Losses)

Year	Winter				Summer		Summer		Sept	Winter				Total Annual	Sales KWH	Total Annual + Losses
	January	Feb	March	April	May	June	July	August		Oct	Nov	Dec				
1991	10,334,700	7,938,100	8,343,700	8,091,200	7,023,200	6,244,000	7,459,600	7,125,600	7,590,400	6,741,400	7,480,500	10,572,400	94,944,800	90,754,597		
1992	9,561,700	9,088,600	8,839,800	7,119,500	6,476,100	7,182,600	7,190,000	7,449,200	7,111,200	6,919,700	8,267,300	11,019,500	96,225,200	92,226,318		
1993	10,491,700	11,083,100	8,657,200	7,947,900	7,000,300	7,841,700	7,473,000	8,494,600	7,442,000	6,907,300	9,326,400	9,629,700	102,294,900	97,017,437		
1994	10,129,200	10,960,900	8,352,100	7,593,000	7,344,400	7,927,800	7,738,300	8,037,300	8,067,500	7,495,900	8,876,800	10,507,500	103,030,700	99,375,519		
1995	12,445,700	10,008,900	11,615,749	8,973,000	8,241,711	7,672,216	8,334,814	8,806,631	8,057,940	8,391,818	8,530,556	10,907,851	111,986,886	100,721,818		
1996	10,898,453	10,472,054	10,707,783	8,949,224	8,658,855	8,296,259	9,184,361	9,156,080	8,380,324	9,115,679	9,660,674	11,816,739	115,296,485	108,163,110		
1997	12,225,452	10,747,440	10,571,582	9,237,422	8,546,952	8,347,268	9,361,094	9,282,942	8,396,145	9,101,227	9,718,795	12,593,677	118,129,996	112,393,353		
1998	12,198,402	11,021,600	11,205,316	10,111,486	9,586,029	8,562,163	9,526,940	9,617,365	8,727,743	9,535,261	10,560,183	13,176,896	123,829,384	117,410,773		
1999	12,708,480	11,695,222	11,895,221	10,620,022	9,417,548	9,236,090	10,040,457	9,899,853	9,213,805	9,676,789	10,342,576	12,925,802	127,671,865	122,767,438		
2000	12,830,593	11,838,066	11,696,618	9,946,804	9,783,044	9,619,332	10,479,912	10,516,919	9,776,717	10,413,396	11,654,304	13,215,903	131,771,608	126,200,923		
2001	13,137,431	11,900,274	11,282,704	10,127,576	9,265,430	9,310,676	10,254,878	10,340,969	9,273,894	9,671,061	10,745,426	13,411,145	128,721,464	122,482,175		
2002	13,678,868	11,794,926	12,258,194	9,787,291	9,818,500	9,537,963	10,673,858	10,589,202	9,599,111	10,217,293	11,023,970	13,145,765	132,124,941	126,878,733		
2003	12,721,759	11,682,606	11,639,143	10,930,611	10,114,469	9,762,704	10,989,345	10,214,627	9,756,766	10,093,193	11,675,684	13,775,221	133,356,128	126,579,678		
2004	14,061,868	12,872,325	11,582,769	10,214,292	10,332,243	10,261,111	11,457,705	11,398,128	10,453,479	11,146,303	12,165,833	14,306,221	140,252,277	135,252,995		
2005	14,197,744	12,298,210	12,663,259	11,023,106	10,623,396	10,466,893	11,882,467	11,681,030	10,618,229	10,971,506	11,771,810	14,653,996	142,851,646	136,338,872		
2006	14,870,357	13,258,324	14,663,347	12,219,239	10,809,840	11,107,994	12,484,572	12,269,731	11,456,330	11,889,327	12,628,000	15,553,362	153,210,423	144,269,130		
2007	15,987,829	13,392,186	13,231,677	11,593,688	11,435,932	11,516,717	13,035,280	12,699,345	11,357,505	12,025,687	12,314,575	15,751,540	154,341,961	147,090,801		
2008	16,133,269	14,460,796	13,971,185	11,857,609	11,620,617	11,344,808	12,638,219	12,737,540	11,546,548	12,103,335	12,830,048	15,949,973	157,193,947	148,561,709		
2009	16,536,601	14,822,316	14,320,465	12,154,049	11,911,132	11,628,428	12,954,174	13,055,979	11,835,212	12,405,918	13,150,799	16,348,722	161,125,804	153,009,305	165,234,512	
2010	16,867,333	15,118,762	14,606,874	12,397,130	12,149,355	11,860,997	13,213,258	13,317,098	12,071,916	12,654,037	13,413,815	16,675,696	164,348,281	156,069,453	168,539,162	
2011	17,204,679	15,421,137	14,899,011	12,645,073	12,392,342	12,098,217	13,477,523	13,583,440	12,313,354	12,907,117	13,682,091	17,009,210	167,635,247	159,190,842	172,563,723	
2012	17,548,773	15,729,560	15,196,992	12,897,974	12,640,189	12,340,181	13,747,074	13,855,109	12,559,621	13,165,260	13,955,733	17,349,395	170,987,952	162,374,659	176,014,998	
2013	17,899,748	16,044,151	15,500,931	13,155,934	12,892,993	12,586,985	14,022,015	14,132,211	12,810,814	13,428,565	14,234,848	17,696,383	174,407,711	165,622,153	179,535,297	
2014	18,257,743	16,365,034	15,810,950	13,419,052	13,150,853	12,838,724	14,302,455	14,414,855	13,067,030	13,697,136	14,519,545	18,050,310	177,895,865	168,934,596	183,126,003	
2015	18,622,898	16,692,335	16,127,169	13,687,433	13,413,870	13,095,499	14,588,504	14,703,152	13,328,371	13,971,079	14,809,936	18,411,316	181,453,782	172,313,287	186,788,523	
2016	18,995,356	17,026,182	16,449,712	13,961,182	13,682,147	13,357,409	14,880,275	14,997,215	13,594,938	14,250,500	15,106,135	18,779,543	185,082,858	175,759,553	190,524,294	
2017	19,375,263	17,366,705	16,778,707	14,240,406	13,955,790	13,624,557	15,177,880	15,297,160	13,866,837	14,535,511	15,408,257	19,155,134	188,784,515	179,274,744	194,334,780	
2018	19,762,769	17,714,040	17,114,281	14,525,214	14,234,906	13,897,048	15,481,438	15,603,103	14,144,174	14,826,221	15,716,422	19,538,236	192,560,205	182,860,239	198,221,475	
2019	20,158,024	18,068,320	17,456,566	14,815,718	14,519,604	14,174,989	15,791,066	15,915,165	14,427,057	15,122,745	16,030,751	19,929,001	196,411,410	186,517,444	202,185,905	
2020	20,561,184	18,429,687	17,805,698	15,112,033	14,809,996	14,458,489	16,106,888	16,233,468	14,715,598	15,425,200	16,351,366	20,327,581	200,339,638	190,247,793	206,229,623	
2021	20,972,408	18,798,281	18,161,812	15,414,273	15,106,196	14,747,659	16,429,025	16,558,138	15,009,910	15,733,704	16,678,393	20,734,133	204,346,430	194,052,749	210,354,216	
2022	21,391,856	19,174,246	18,525,048	15,722,559	15,408,320	15,042,612	16,757,606	16,889,300	15,310,108	16,048,378	17,011,961	21,148,815	208,433,359	197,933,804	214,561,300	
2023	21,819,693	19,557,731	18,895,549	16,037,010	15,716,486	15,343,464	17,092,758	17,227,086	15,616,310	16,369,346	17,352,200	21,571,792	212,602,026	201,892,480	218,852,526	
2024	22,256,087	19,948,886	19,273,460	16,357,750	16,030,816	15,650,333	17,434,613	17,571,628	15,928,637	16,696,733	17,699,244	22,003,227	216,854,067	205,930,329	223,229,576	
2025	22,701,209	20,347,863	19,658,929	16,684,905	16,351,432	15,963,340	17,783,306	17,923,061	16,247,209	17,030,667	18,053,229	22,443,292	221,191,148	210,048,936	227,694,168	
2026	23,155,233	20,754,821	20,052,108	17,018,603	16,678,461	16,282,607	18,138,972	18,281,522	16,572,154	17,371,281	18,414,294	22,892,158	225,614,971	214,249,915	232,248,051	
2027	23,618,338	21,169,917	20,453,150	17,358,975	17,012,030	16,608,259	18,501,751	18,647,152	16,903,597	17,718,706	18,782,580	23,350,001	230,127,270	218,534,913	236,893,012	
2028	24,090,705	21,593,315	20,862,213	17,706,155	17,352,271	16,940,424	18,871,786	19,020,095	17,241,669	18,073,080	19,158,231	23,817,001	234,729,816	222,905,611	241,630,872	
2029	24,572,519	22,025,182	21,279,457	18,060,278	17,699,316	17,279,233	19,249,222	19,400,497	17,586,502	18,434,542	19,541,396	24,293,341	239,424,412	227,363,723	246,463,490	

Blue numbers are actuals

Red numbers are estimated

Black numbers are forecast