

RESOLUTION NO. 813

A RESOLUTION OF THE BOARD OF COMMISSIONERS FOR THE APPROVAL AND ADOPTION OF THE 2014 UTILITY RESOURCE PLAN

WHEREAS, Kittitas County Public Utility District No. 1 is required to develop a resource plan in accordance with RCW 19.280.

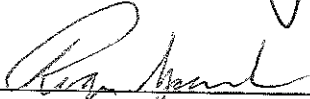
WHEREAS, the plan must be submitted to the Washington State Department of Commerce by September 1, 2014 and must include estimated loads for the next five (5) and ten (10) years and enumerates the resources that will be maintained and/or acquired to serve those loads.

NOW, THEREFORE, BE IT RESOLVED that the Commissioners of Kittitas County Public Utility District No. 1 approve and adopt the 2014 Utility Resource Plan, as set forth in Exhibit A attached hereto.

IN WITNESS WHEREOF, the undersigned, being all the members of the Board of Commissioners of Kittitas County Public Utility District No. 1 have executed this Resolution of the Board of Commissioners on this ____ day of _____, 2014.



President, Paul Rogers



Vice President, Roger Sparks



Secretary, Shan Rowbotham

Exhibit A

2014 UTILITY RESOURCE PLAN

August 26, 2014

<< Utility Name

Washington State Utility Resource Plan Year

Prepared by: Matt Boast

2014

2014

Matt Boast

To review your Utility's 2012 Cover Sheet, click here to download; they are in alpha order.

Estimate Year Period Units	Base Year 2013 Annual (MWa)		5 Yr. Est. 2018 Annual (MWa)		10 Yr. Est. 2023 Annual (MWa)	
	2013	2014	2018	2019	2023	2024
Loads	11.33		12.41		12.87	
Resources:						
Future Conservation/Efficiency			0.23		0.24	
Demand Response						
BPA Tier 1. (Include BPA PF)	9.58		9.56		9.58	
BPA Tier 2	0.78		1.62		2.05	
Non BPA:						
Co-generation						
Hydro (critical water)	0.98		0.98		0.98	
Wind						
Other Renewables						
Thermal-Natural Gas						
Thermal-Coal						
Market Purchase (non BPA)						
Other						
Distributed Generation	0.01		0.02		0.04	
Undecided						
Total Resources	11.83		2.41		12.87	
Load Resource Balance	0.00		0.00		0.00	

This row will be zeros if loads and resources

Date of Board/Commission Approval (mm/yy)

Notes: Explain resource choices other than conservation / Use of renewable energy credits in planning / Distributed Generation

Table includes Conservation and Distributed Generation as resources. Conservation is represented by 2% of total energy. Distributed Generation is represented by a measured 1% in 2013 and a 25% growth rate as observed between 2011 and 2014.

One way of commenting is to enter the line number of the resource title and type the comment following the number. For example: Line 24: Our Distributed Generation sources are landfill gas and solar.

8/21/2014

Matt Boast

Kititas Resource Plan for 2014 Report to Washington State

From	0.0204 annual EE									
5/28/2014										
RHWM Forecast	RHWM	CY's => AHWM's								
for BP-14	FY16	2016	2017	2018	2019	2020	2021	2022	2023	
	9.556	0.663	0.752	0.841	0.93	1.019	1.108	1.197	1.286	
		0.089 annual delta								
Assumed CY BPA NR	10.3606	11.0136	11.1026	11.1916	11.2806	11.3696	11.4586	11.5476	11.6366	
GPUD resources		<u>0.978</u>	<u>0.979</u>	<u>0.979</u>	<u>0.979</u>	<u>0.979</u>	<u>0.979</u>	<u>0.979</u>	<u>0.979</u>	<u>0.979</u>
BPA Load Growth total		11.9916	12.0816	12.1706	12.2596	12.3486	12.4376	12.5266	12.6156	
Plus assumed conservation 2%		<u>0.240</u>	<u>0.242</u>	<u>0.243</u>	<u>0.245</u>	<u>0.247</u>	<u>0.249</u>	<u>0.251</u>	<u>0.252</u>	
WA State TRL with EE		12.231	12.323	12.414	12.505	12.596	12.686	12.777	12.868	
checking TRL				12.414						12.868

Forecast Annual Data
(MOD 17 - R1.4)

Year	Summer (M)	Winter (M)	Net (MWh)	Net (GWh)	aMW
2014	15,052	21,989	98,980.51	98.98051	11.30
2015	15,185	22,146	99,764.74	99.76474	11.39
2016	15,319	22,305	100,837.56	100.83756	11.51
2017	15,455	22,465	101,356.81	101.35681	11.57
2018	15,591	22,628	102,164.82	102.16482	11.66
2019	15,73	22,791	102,980.88	102.98088	11.76
2020	15,869	22,957	104,092.69	104.09269	11.88
2021	16,01	23,124	104,637.57	104.63757	11.94
2022	16,153	23,293	105,478.38	105.47838	12.04
2023	16,297	23,464	106,327.58	106.32758	12.14

	2013 - BPA		2013 - PSE		2013 - Dist gen	
	kwh	MWh	kwh	MWh	kwh	MWh
Jan	11,830,169	11,830.169	12,900	12.9	2,714	2.714
Feb	8,166,416	8,166.416	8,980	8.88	5,445	5.445
Mar	8,084,527	8,084.527	8,280	8.28	5,572	5.572
Apr	6,796,368	6,796.368	6,840	6.84	12,674	12.674
May	7,238,871	7,238.871	6,540	6.54	15,632	15.632
Jun	6,800,331	6,800.331	6,420	6.42	7,901	7.901
Jul	8,095,540	8,095.54	7,320	7.32	9,601	9.601
Aug	8,032,137	8,032.137	6,180	6.18	8,152	8.152
Sep	6,551,929	6,551.929	5,880	5.88	7,993	7.993
Oct	7,405,542	7,405.542	7,260	7.26	7,899	7.899
Nov	9,116,660	9,116.66	10,860	10.86	4,449	4.449
Dec	11,129,571	11,129.571	12,000	12	4,630	4.63
	99,248,061		99.36			92.662

11.32968733 0.011342466 0.010577854

0.979

10.35068733 NR BPA

CHWM 8.556 from RHWM 5-28-2014
RES 0.979
TRL 10.535

PUD No 1 of Kittitas County
Washington State Utility Resource Plan

	2010
Resource Plan Year	01/01/07
Base Year	12/31/07
Five Year Report Year	2013
Ten Year Report Year	2018

Report Years Period	2010 Base Year Annual (MWh)	2013 Annual (MWh)	2018 Annual (MWh)
Loads		38.70	51.90
Resources			
Conservation/Efficiency			
Demand Response			
Co-generation			
Hydro (critical water)			
Wind			
Other Renewables			
BPA Base Year PPA			
BPA Base Year EPP			
BPA Tier 1 Load Following		30.70	50.70
BPA Tier 2 Load Growth Rate			
BPA Tier 2 Short-Term Rate		8.00	21.20
BPA Tier 2 Vintage Rate			
Non BPA Load Following			
Non BPA Market Purchase			
Other			
Total Resources		38.70	51.90
Load Resource Balance			

PUD No 1 of Kittitas County

<< Utility Name

Washington State Utility Resource Plan

2012

Prepared by:

Genine Pratt

Estimate Year Period Units	Base Year	5 Yr. Est.	10 Yr Est.
	2011 Annual (MW/a)	2016 Annual (MW/a)	2021 Annual (MW/a)
Loads	10.72	11.61	12.07
Resources:			
Future Conservation/Efficiency		0.23	0.24
Demand Response			
BPA Tier 1 (include BPA PF)	9.74	9.74	9.74
BPA Tier 2		0.66	1.11
Non BPA:			
Co-generation			
Hydro (critical water)	0.98	0.98	0.98
Wind			
Other Renewables			
Thermal-Natural Gas			
Thermal-Coal			
Market Purchase (non BPA)			
Other			
Total Resources			
Load Resource Balance			

To review your Utility's 2010 Cover Sheet click here to download; they are in alpha order.

This row will be zeros if loads and resources balance.

Date of Board/Commission Approval (mm/yy)

Notes: Explain resource choices other than conservation / Use of renewable energy credits in planning

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[RCWs](#) [Title 19](#) [Chapter 19.280](#) [Section 19.280.030](#)

[19.280.020](#) << [19.280.030](#) >> [19.280.040](#)

RCW 19.280.030

Development of a resource plan — Requirements of a resource plan.

Each electric utility must develop a plan consistent with this section.

(1) Utilities with more than twenty-five thousand customers that are not full requirements customers shall develop or update an integrated resource plan by September 1, 2008. At a minimum, progress reports reflecting changing conditions and the progress of the integrated resource plan must be produced every two years thereafter. An updated integrated resource plan must be developed at least every four years subsequent to the 2008 integrated resource plan. The integrated resource plan, at a minimum, must include:

(a) A range of forecasts, for at least the next ten years or longer, of projected customer demand which takes into account econometric data and customer usage;

(b) An assessment of commercially available conservation and efficiency resources. Such assessment may include, as appropriate, high efficiency cogeneration, demand response and load management programs, and currently employed and new policies and programs needed to obtain the conservation and efficiency resources;

(c) An assessment of commercially available, utility scale renewable and nonrenewable generating technologies including a comparison of the benefits and risks of purchasing power or building new resources;

(d) A comparative evaluation of renewable and nonrenewable generating resources, including transmission and distribution delivery costs, and conservation and efficiency resources using "lowest reasonable cost" as a criterion;

(e) An assessment of methods, commercially available technologies, or facilities for integrating renewable resources, and addressing overgeneration events, if applicable to the utility's resource portfolio;

(f) The integration of the demand forecasts and resource evaluations into a long-range assessment describing the mix of supply side generating resources and conservation and efficiency resources that will meet current and projected needs, including mitigating overgeneration events, at the lowest reasonable cost and risk to the utility and its ratepayers; and

(g) A short-term plan identifying the specific actions to be taken by the utility consistent with the long-range integrated resource plan.

(2) All other utilities may elect to develop a full integrated resource plan as set forth in subsection (1) of this section or, at a minimum, shall develop a resource plan that:

(a) Estimates loads for the next five and ten years;

(b) Enumerates the resources that will be maintained and/or acquired to serve those loads; and

(c) Explains why the resources in (b) of this subsection were chosen and, if the resources chosen are not: (i) Renewable resources; (ii) methods, commercially available technologies, or facilities for integrating renewable resources, including addressing any overgeneration event; or (iii) conservation and efficiency resources, why such a decision was made.

(3) An electric utility that is required to develop a resource plan under this section must complete its initial plan by September 1, 2008.

(4) Resource plans developed under this section must be updated on a regular basis, at a minimum on intervals of two years.

(5) Plans shall not be a basis to bring legal action against electric utilities.

(6) Each electric utility shall publish its final plan either as part of an annual report or as a separate document available to the public. The report may be in an electronic form.

[2013 c 149 § 3; 2011 c 180 § 305; 2006 c 195 § 3.]

Notes:

Findings -- Purpose -- 2011 c 180: See note following RCW 80.80.010.

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