

**Okanogan County PUD**  
**2013 Electric System Rate Study**  
**Current, Cost-of-Service and Proposed Rates**  
**DRAFT**

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**Rate Option 1**

**Schedule No. 2 - Residential**

	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (2)		
			September 2013	July 2014	July 2015
<u>Base Rates</u>					
Basic Charge (\$/month)	\$10.00	\$28.07	\$35.00	\$40.00	\$45.00
Energy Charge (\$/kWh)					
< 2,000 kWh	\$0.05750	\$0.05993	\$0.04350	\$0.04657	\$0.05023
> 2,000 kWh	\$0.06316	\$0.05993	\$0.06316	\$0.06762	\$0.07293
Minimum Charge (\$/month)	n/a	\$79.80	n/a	n/a	n/a
Minimum Energy Charge (\$/month)	\$25.00	n/a	n/a	n/a	n/a
kWh in Basic Charge	500		n/a	n/a	n/a
Percent Change in Base Rate Revenue		17.4%	9.5%	9.5%	9.5%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00501	\$0.00579

Notes

- (1) Cost of service rates include allocation of wholesale revenues.
- (2) Set the Basic Charge to \$35 per month in 2013 and increased this to \$45 per month by 2015.  
 Energy Charge applied to all kilowatt-hours in 2013 and beyond.  
 No change in the Energy Charge for usage above 2,000 kilowatt-hours in 2013. Decreased the Energy Charge applied to the first 2,000 kilowatt-hours in 2013 to offset the bill impacts from eliminating the minimum energy allowance (first 500 kilowatt-hours). Adjusted the Energy Charge as necessary to collect sufficient revenues for all other years.  
 The Energy Charge for usage above 2,000 kilowatt-hours in 2014 and on is adjusted to maintain the same rate ratio between the lower and higher usage blocks.

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Okanogan County PUD  
2013 Bill Frequency Analysis

DRAFT Rate Adjustment Impact Assessment - Option 1

District Customer Class Estimated Monthly Bills

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)
<b>Schedule No. 2 - Residential</b>																
Line No.	kWh per month	No. of Customers	% of Total	Cum. % of Total		Bill at Current Rates	Cents per kWh	Bill at Cost of Service	Percent Change	Cents per kWh	Bill at TY 2013 Proposed	Percent Change	Bill at TY 2014 Proposed	Percent Change	Bill at TY 2015 Proposed	Percent Change
1	0	529	3.1%	3.1%		\$35.00		\$79.80	128.0%	79.80	\$35.00	0.0%	\$40.00	14.3%	\$45.00	12.5%
2	100	996	5.8%	9.0%		35.24	35.24	79.80	126.5%	79.80	39.62	12.4%	45.16	14.0%	50.60	12.1%
3	200	602	3.5%	12.5%		35.48	17.74	79.80	124.9%	39.90	44.23	24.7%	50.32	13.8%	56.20	11.7%
4	300	556	3.3%	15.8%		35.72	11.91	79.80	123.4%	26.60	48.85	36.7%	55.47	13.6%	61.81	11.4%
5	400	587	3.4%	19.2%		35.96	8.99	79.80	121.9%	19.95	53.46	48.7%	60.63	13.4%	67.41	11.2%
6	500	649	3.8%	23.0%		36.20	7.24	79.80	120.4%	15.96	58.08	60.4%	65.79	13.3%	73.01	11.0%
7	600	688	4.0%	27.1%		42.19	7.03	79.80	89.1%	13.30	62.69	48.6%	70.95	13.2%	78.61	10.8%
8	700	734	4.3%	31.4%		48.18	6.88	79.80	65.6%	11.40	67.31	39.7%	76.11	13.1%	84.21	10.7%
9	800	762	4.5%	35.8%		54.17	6.77	79.80	47.3%	9.98	71.92	32.8%	81.26	13.0%	89.82	10.5%
10	900	755	4.4%	40.3%		60.16	6.68	82.01	36.3%	9.11	76.54	27.2%	86.42	12.9%	95.42	10.4%
11	1,000	767	4.5%	44.8%		66.15	6.62	88.00	33.0%	8.80	81.15	22.7%	91.58	12.8%	101.02	10.3%
12	1,100	717	4.2%	49.0%		72.14	6.56	93.99	30.3%	8.54	85.77	18.9%	96.74	12.8%	106.62	10.2%
13	1,200	685	4.0%	53.0%		78.13	6.51	99.99	28.0%	8.33	90.38	15.7%	101.90	12.7%	112.23	10.1%
14	1,300	628	3.7%	56.7%		84.12	6.47	105.98	26.0%	8.15	95.00	12.9%	107.05	12.7%	117.83	10.1%
15	1,400	588	3.5%	60.2%	Avg.	90.11	6.44	111.97	24.3%	8.00	99.62	10.5%	112.21	12.6%	123.43	10.0%
16	1,500	543	3.2%	63.3%		96.10	6.41	117.97	22.8%	7.86	104.23	8.5%	117.37	12.6%	129.03	9.9%
17	1,600	509	3.0%	66.3%		102.09	6.38	123.96	21.4%	7.75	108.85	6.6%	122.53	12.6%	134.63	9.9%
18	1,700	456	2.7%	69.0%		108.08	6.36	129.95	20.2%	7.64	113.46	5.0%	127.69	12.5%	140.24	9.8%
19	1,800	429	2.5%	71.5%		114.07	6.34	135.95	19.2%	7.55	118.08	3.5%	132.84	12.5%	145.84	9.8%
20	1,900	381	2.2%	73.8%		120.06	6.32	141.94	18.2%	7.47	122.69	2.2%	138.00	12.5%	151.44	9.7%
21	2,000	368	2.2%	75.9%		126.05	6.30	147.93	17.4%	7.40	127.31	1.0%	143.16	12.5%	157.04	9.7%
22	2,250	784	4.6%	80.5%		142.44	6.33	162.92	14.4%	7.24	143.76	0.9%	161.32	12.2%	176.72	9.5%
23	2,500	639	3.8%	84.3%		158.83	6.35	177.90	12.0%	7.12	160.22	0.9%	179.48	12.0%	196.40	9.4%
24	2,750	521	3.1%	87.3%		175.22	6.37	192.88	10.1%	7.01	176.67	0.8%	197.63	11.9%	216.08	9.3%
25	3,000	441	2.6%	89.9%		191.61	6.39	207.87	8.5%	6.93	193.12	0.8%	215.79	11.7%	235.76	9.3%
26	3,250	354	2.1%	92.0%		208.00	6.40	222.85	7.1%	6.86	209.58	0.8%	233.95	11.6%	255.44	9.2%
27	3,500	280	1.6%	93.7%		224.39	6.41	237.83	6.0%	6.80	226.03	0.7%	252.11	11.5%	275.12	9.1%
28	3,750	220	1.3%	95.0%		240.78	6.42	252.82	5.0%	6.74	242.48	0.7%	270.26	11.5%	294.80	9.1%
29	4,000	178	1.0%	96.0%		257.17	6.43	267.80	4.1%	6.70	258.94	0.7%	288.42	11.4%	314.48	9.0%
30	4,250	139	0.8%	96.8%		273.56	6.44	282.78	3.4%	6.65	275.39	0.7%	306.58	11.3%	334.16	9.0%
31	4,500	110	0.6%	97.5%		289.95	6.44	297.77	2.7%	6.62	291.84	0.7%	324.74	11.3%	353.84	9.0%
32	4,750	85	0.5%	98.0%		306.34	6.45	312.75	2.1%	6.58	308.30	0.6%	342.89	11.2%	373.52	8.9%
33	5,000	76	0.4%	98.4%		322.73	6.45	327.74	1.6%	6.55	324.75	0.6%	361.05	11.2%	393.20	8.9%
34	5,250	54	0.3%	98.7%		339.12	6.46	342.72	1.1%	6.53	341.20	0.6%	379.21	11.1%	412.88	8.9%
35	5,500	42	0.2%	99.0%		355.51	6.46	357.70	0.6%	6.50	357.66	0.6%	397.37	11.1%	432.56	8.9%
36	5,750	33	0.2%	99.2%		371.90	6.47	372.69	0.2%	6.48	374.11	0.6%	415.52	11.1%	452.25	8.8%
37	6,000	27	0.2%	99.3%		388.29	6.47	387.67	-0.2%	6.46	390.56	0.6%	433.68	11.0%	471.93	8.8%
38	6,250	24	0.1%	99.5%		404.68	6.47	402.65	-0.5%	6.44	407.02	0.6%	451.84	11.0%	491.61	8.8%
39	6,500	16	0.1%	99.5%		421.07	6.48	417.64	-0.8%	6.43	423.47	0.6%	470.00	11.0%	511.29	8.8%
40	6,750	13	0.1%	99.6%		437.46	6.48	432.62	-1.1%	6.41	439.92	0.6%	488.15	11.0%	530.97	8.8%
41	7,000-8,000	41	0.2%	99.9%		519.41	6.49	507.54	-2.3%	6.34	522.19	0.5%	578.94	10.9%	629.37	8.7%
42	8,001-9,000	11	0.1%	99.9%		584.97	6.50	567.47	-3.0%	6.31	588.01	0.5%	651.57	10.8%	708.09	8.7%
43	9,001-10,000	4	0.0%	100.0%		650.53	6.51	627.40	-3.6%	6.27	653.82	0.5%	724.20	10.8%	786.81	8.6%
44	>10,000	8	0.0%	100.0%		650.53	6.51	627.40	-3.6%	6.27	653.82	0.5%	724.20	10.8%	786.81	8.6%
45				17,029												

Note: Based on 2012 billing data.

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**Rate Option 2**

**Schedule No. 2 - Residential**

	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (2)		
			September 2013	July 2014	July 2015
<u>Base Rates</u>					
Basic Charge (\$/month)	\$10.00	\$28.07	\$35.00	\$35.00	\$40.00
Energy Charge (\$/kWh)					
< 2,000 kWh	\$0.05750	\$0.05993	\$0.05750	\$0.05750	\$0.05750
> 2,000 kWh	\$0.06316	\$0.05993	\$0.06316	\$0.06316	\$0.06316
Minimum Charge (\$/month)	n/a	\$79.80	n/a	n/a	n/a
Minimum Energy Charge (\$/month)	\$25.00	n/a	n/a	n/a	n/a
kWh in Basic Charge	500		250	0	n/a
Percent Change in Base Rate Revenue		17.4%	12.7%	12.5%	4.2%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00501	\$0.00579

Notes

- (1) Cost of service rates include allocation of wholesale revenues.
- (2) Set the Basic Charge to \$35 per month in 2013 and is increased to \$40 per month by 2015.  
 Energy Charge applied after the first 250 kilowatt-hours in 2013 and to all kilowatt-hours in 2014 and beyond.  
 No changes in the Energy Charge.

# DRAFT

Okanogan County PUD  
2013 Bill Frequency Analysis

DRAFT Rate Adjustment Impact Assessment - Option 2

District Customer Class Estimated Monthly Bills

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q)

## Schedule No. 2 - Residential

Line No.	kWh per month	No. of Customers	% of Total	Cum. % of Total	Bill at Current Rates	Cents per kWh	Bill at Cost of Service	Percent Change	Cents per kWh	Bill at TY 2013 Proposed	Percent Change	Bill at TY 2014 Proposed	Percent Change	Bill at TY 2015 Proposed	Percent Change
1	0	529	3.1%	3.1%	\$35.00		\$79.80	128.0%	79.80	\$35.00	0.0%	\$35.00	0.0%	\$40.00	14.3%
2	100	996	5.8%	9.0%	35.24	35.24	79.80	126.5%	79.80	35.27	0.1%	41.25	17.0%	46.33	12.3%
3	200	602	3.5%	12.5%	35.48	17.74	79.80	124.9%	39.90	35.53	0.1%	47.50	33.7%	52.66	10.9%
4	300	556	3.3%	15.8%	35.72	11.91	79.80	123.4%	26.60	38.67	8.3%	53.75	39.0%	58.99	9.7%
5	400	587	3.4%	19.2%	35.96	8.99	79.80	121.9%	19.95	44.69	24.3%	60.00	34.3%	65.32	8.9%
6	500	649	3.8%	23.0%	36.20	7.24	79.80	120.4%	15.96	50.70	40.1%	66.26	30.7%	71.65	8.1%
7	600	688	4.0%	27.1%	42.19	7.03	79.80	89.1%	13.30	56.72	34.4%	72.51	27.8%	77.97	7.5%
8	700	734	4.3%	31.4%	48.18	6.88	79.80	65.6%	11.40	62.73	30.2%	78.76	25.5%	84.30	7.0%
9	800	762	4.5%	35.8%	54.17	6.77	79.80	47.3%	9.98	68.75	26.9%	85.01	23.7%	90.63	6.6%
10	900	755	4.4%	40.3%	60.16	6.68	82.01	36.3%	9.11	74.76	24.3%	91.26	22.1%	96.96	6.2%
11	1,000	767	4.5%	44.8%	66.15	6.62	88.00	33.0%	8.80	80.78	22.1%	97.51	20.7%	103.29	5.9%
12	1,100	717	4.2%	49.0%	72.14	6.56	93.99	30.3%	8.54	86.79	20.3%	103.76	19.5%	109.62	5.6%
13	1,200	685	4.0%	53.0%	78.13	6.51	99.99	28.0%	8.33	92.81	18.8%	110.01	18.5%	115.95	5.4%
14	1,300	628	3.7%	56.7%	84.12	6.47	105.98	26.0%	8.15	98.83	17.5%	116.26	17.6%	122.28	5.2%
15	1,400	588	3.5%	60.2%	Avg. 90.11	6.44	111.97	24.3%	8.00	104.84	16.3%	122.51	16.9%	128.61	5.0%
16	1,500	543	3.2%	63.3%	96.10	6.41	117.97	22.8%	7.86	110.86	15.4%	128.77	16.2%	134.94	4.8%
17	1,600	509	3.0%	66.3%	102.09	6.38	123.96	21.4%	7.75	116.87	14.5%	135.02	15.5%	141.27	4.6%
18	1,700	456	2.7%	69.0%	108.08	6.36	129.95	20.2%	7.64	122.89	13.7%	141.27	15.0%	147.59	4.5%
19	1,800	429	2.5%	71.5%	114.07	6.34	135.95	19.2%	7.55	128.90	13.0%	147.52	14.4%	153.92	4.3%
20	1,900	381	2.2%	73.8%	120.06	6.32	141.94	18.2%	7.47	134.92	12.4%	153.77	14.0%	160.25	4.2%
21	2,000	368	2.2%	75.9%	126.05	6.30	147.93	17.4%	7.40	140.93	11.8%	160.02	13.5%	166.58	4.1%
22	2,250	784	4.6%	80.5%	142.44	6.33	162.92	14.4%	7.24	157.39	10.5%	177.06	12.5%	183.82	3.8%
23	2,500	639	3.8%	84.3%	158.83	6.35	177.90	12.0%	7.12	173.84	9.5%	194.11	11.7%	201.06	3.6%
24	2,750	521	3.1%	87.3%	175.22	6.37	192.88	10.1%	7.01	190.29	8.6%	211.15	11.0%	218.29	3.4%
25	3,000	441	2.6%	89.9%	191.61	6.39	207.87	8.5%	6.93	206.75	7.9%	228.19	10.4%	235.53	3.2%
26	3,250	354	2.1%	92.0%	208.00	6.40	222.85	7.1%	6.86	223.20	7.3%	245.23	9.9%	252.77	3.1%
27	3,500	280	1.6%	93.7%	224.39	6.41	237.83	6.0%	6.80	239.65	6.8%	262.28	9.4%	270.01	2.9%
28	3,750	220	1.3%	95.0%	240.78	6.42	252.82	5.0%	6.74	256.11	6.4%	279.32	9.1%	287.25	2.8%
29	4,000	178	1.0%	96.0%	257.17	6.43	267.80	4.1%	6.70	272.56	6.0%	296.36	8.7%	304.48	2.7%
30	4,250	139	0.8%	96.8%	273.56	6.44	282.78	3.4%	6.65	289.01	5.6%	313.40	8.4%	321.72	2.7%
31	4,500	110	0.6%	97.5%	289.95	6.44	297.77	2.7%	6.62	305.47	5.4%	330.45	8.2%	338.96	2.6%
32	4,750	85	0.5%	98.0%	306.34	6.45	312.75	2.1%	6.58	321.92	5.1%	347.49	7.9%	356.20	2.5%
33	5,000	76	0.4%	98.4%	322.73	6.45	327.74	1.6%	6.55	338.38	4.8%	364.53	7.7%	373.43	2.4%
34	5,250	54	0.3%	98.7%	339.12	6.46	342.72	1.1%	6.53	354.83	4.6%	381.57	7.5%	390.67	2.4%
35	5,500	42	0.2%	99.0%	355.51	6.46	357.70	0.6%	6.50	371.28	4.4%	398.62	7.4%	407.91	2.3%
36	5,750	33	0.2%	99.2%	371.90	6.47	372.69	0.2%	6.48	387.74	4.3%	415.66	7.2%	425.15	2.3%
37	6,000	27	0.2%	99.3%	388.29	6.47	387.67	-0.2%	6.46	404.19	4.1%	432.70	7.1%	442.39	2.2%
38	6,250	24	0.1%	99.5%	404.68	6.47	402.65	-0.5%	6.44	420.64	3.9%	449.74	6.9%	459.62	2.2%
39	6,500	16	0.1%	99.5%	421.07	6.48	417.64	-0.8%	6.43	437.10	3.8%	466.79	6.8%	476.86	2.2%
40	6,750	13	0.1%	99.6%	437.46	6.48	432.62	-1.1%	6.41	453.55	3.7%	483.83	6.7%	494.10	2.1%
41	7,000-8,000	41	0.2%	99.9%	519.41	6.49	507.54	-2.3%	6.34	535.82	3.2%	569.04	6.2%	580.29	2.0%
42	8,001-9,000	11	0.1%	99.9%	584.97	6.50	567.47	-3.0%	6.31	601.63	2.8%	637.21	5.9%	649.24	1.9%
43	9,001-10,000	4	0.0%	100.0%	650.53	6.51	627.40	-3.6%	6.27	667.45	2.6%	705.38	5.7%	718.19	1.8%
44	>10,000	8	0.0%	100.0%	650.53	6.51	627.40	-3.6%	6.27	667.45	2.6%	705.38	5.7%	718.19	1.8%
45				17,029											

Note: Based on 2012 billing data.