

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

Base Case - 13% in 2013, 12.5% in 2014 and 2.5% in 2015

Schedule No. 2 - Residential	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (2)		
			July 2013	July 2014	July 2015
<u>Base Rates</u>					
Basic Charge (\$/month)	\$10.00	\$27.61	\$40.00	\$45.00	\$50.00
Energy Charge (\$/kWh)					
< 2,000 kWh	\$0.05750	\$0.06121	\$0.04560	\$0.05211	\$0.05092
> 2,000 kWh	\$0.06316	\$0.06121	\$0.05009	\$0.05724	\$0.05593
Minimum Charge (\$/month)	n/a	\$78.27	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 Revenue		17.4%	13.0%	12.5%	2.5%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00500	\$0.00578

Notes

- (1) Cost of Service rates include allocation of wholesale revenues.
- (2) Increases the Basic Charge to \$50/month by 2015.
 Energy Charge applied to the first 500 kWh.
 Energy Charge decreased as a result of the increase in Basic Charge and revenue from the Energy Charge for the first 500 kWh.
 The Energy Charge for the first and second block in 2013 to 2015 are based on the ratio as the existing rates.
 The rates under this option impact the lower usage customers while some of the higher usage customers bills decrease in 2013.

**Okanogan County PUD
2013 Bill Frequency Analysis**

DRAFT Rate Adjustment Impact Assessment - Base Case

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	Cum. Percent Change	Bill at TY 2014 Proposed	Cum. Percent Change	Bill at TY 2015 Proposed	Cum. Percent Change
1	0	529	3.1%	3.1%	\$35.00		\$78.27	123.6%		\$40.00	14.3%	\$45.00	28.6%	\$50.00	42.9%
2	100	996	5.8%	9.0%	35.24	35.24	78.27	122.1%	78.27	44.82	27.2%	50.71	43.9%	55.67	58.0%
3	200	602	3.5%	12.5%	35.48	17.74	78.27	120.6%	39.13	49.65	39.9%	56.42	59.0%	61.34	72.9%
4	300	556	3.3%	15.8%	35.72	11.91	78.27	119.1%	26.09	54.47	52.5%	62.13	73.9%	67.01	87.6%
5	400	587	3.4%	19.2%	35.96	8.99	78.27	117.7%	19.57	59.30	64.9%	67.84	88.7%	72.68	102.1%
6	500	649	3.8%	23.0%	36.20	7.24	78.27	116.2%	15.65	64.12	77.1%	73.55	103.2%	78.35	116.4%
7	600	688	4.0%	27.1%	42.19	7.03	78.27	85.5%	13.04	68.95	63.4%	79.27	87.9%	84.02	99.1%
8	700	734	4.3%	31.4%	48.18	6.88	78.27	62.5%	11.18	73.77	53.1%	84.98	76.4%	89.69	86.2%
9	800	762	4.5%	35.8%	54.17	6.77	78.27	44.5%	9.78	78.60	45.1%	90.69	67.4%	95.36	76.0%
10	900	755	4.4%	40.3%	60.16	6.68	82.69	37.5%	9.19	83.42	38.7%	96.40	60.2%	101.03	67.9%
11	1,000	767	4.5%	44.8%	66.15	6.62	88.81	34.3%	8.88	88.25	33.4%	102.11	54.4%	106.70	61.3%
12	1,100	717	4.2%	49.0%	72.14	6.56	94.93	31.6%	8.63	93.07	29.0%	107.82	49.5%	112.37	55.8%
13	1,200	685	4.0%	53.0%	78.13	6.51	101.05	29.3%	8.42	97.90	25.3%	113.53	45.3%	118.04	51.1%
14	1,300	628	3.7%	56.7%	84.12	6.47	107.17	27.4%	8.24	102.72	22.1%	119.24	41.8%	123.71	47.1%
15	1,400	588	3.5%	60.2%	Avg. 90.11	6.44	113.29	25.7%	8.09	107.55	19.4%	124.95	38.7%	129.38	43.6%
16	1,500	543	3.2%	63.3%	96.10	6.41	119.42	24.3%	7.96	112.37	16.9%	130.66	36.0%	135.05	40.5%
17	1,600	509	3.0%	66.3%	102.09	6.38	125.54	23.0%	7.85	117.20	14.8%	136.37	33.6%	140.72	37.8%
18	1,700	456	2.7%	69.0%	108.08	6.36	131.66	21.8%	7.74	122.02	12.9%	142.09	31.5%	146.39	35.4%
19	1,800	429	2.5%	71.5%	114.07	6.34	137.78	20.8%	7.65	126.85	11.2%	147.80	29.6%	152.06	33.3%
20	1,900	381	2.2%	73.8%	120.06	6.32	143.90	19.9%	7.57	131.67	9.7%	153.51	27.9%	157.73	31.4%
21	2,000	368	2.2%	75.9%	126.05	6.30	150.02	19.0%	7.50	136.50	8.3%	159.22	26.3%	163.40	29.6%
22	2,250	784	4.6%	80.5%	142.44	6.33	165.32	16.1%	7.35	149.68	5.1%	174.78	22.7%	178.82	25.5%
23	2,500	639	3.8%	84.3%	158.83	6.35	180.62	13.7%	7.22	162.86	2.5%	190.34	19.8%	194.25	22.3%
24	2,750	521	3.1%	87.3%	175.22	6.37	195.92	11.8%	7.12	176.05	0.5%	205.90	17.5%	209.68	19.7%
25	3,000	441	2.6%	89.9%	191.61	6.39	211.22	10.2%	7.04	189.23	-1.2%	221.46	15.6%	225.10	17.5%
26	3,250	354	2.1%	92.0%	208.00	6.40	226.52	8.9%	6.97	202.42	-2.7%	237.02	14.0%	240.53	15.6%
27	3,500	280	1.6%	93.7%	224.39	6.41	241.83	7.8%	6.91	215.60	-3.9%	252.58	12.6%	255.96	14.1%
28	3,750	220	1.3%	95.0%	240.78	6.42	257.13	6.8%	6.86	228.79	-5.0%	268.14	11.4%	271.38	12.7%
29	4,000	178	1.0%	96.0%	257.17	6.43	272.43	5.9%	6.81	241.97	-5.9%	283.70	10.3%	286.81	11.5%
30	4,250	139	0.8%	96.8%	273.56	6.44	287.73	5.2%	6.77	255.16	-6.7%	299.26	9.4%	302.24	10.5%
31	4,500	110	0.6%	97.5%	289.95	6.44	303.03	4.5%	6.73	268.34	-7.5%	314.81	8.6%	317.66	9.6%
32	4,750	85	0.5%	98.0%	306.34	6.45	318.33	3.9%	6.70	281.52	-8.1%	330.37	7.8%	333.09	8.7%
33	5,000	76	0.4%	98.4%	322.73	6.45	333.63	3.4%	6.67	294.71	-8.7%	345.93	7.2%	348.52	8.0%
34	5,250	54	0.3%	98.7%	339.12	6.46	348.94	2.9%	6.65	307.89	-9.2%	361.49	6.6%	363.95	7.3%
35	5,500	42	0.2%	99.0%	355.51	6.46	364.24	2.5%	6.62	321.08	-9.7%	377.05	6.1%	379.37	6.7%
36	5,750	33	0.2%	99.2%	371.90	6.47	379.54	2.1%	6.60	334.26	-10.1%	392.61	5.6%	394.80	6.2%
37	6,000	27	0.2%	99.3%	388.29	6.47	394.84	1.7%	6.58	347.45	-10.5%	408.17	5.1%	410.23	5.6%
38	6,250	24	0.1%	99.5%	404.68	6.47	410.14	1.3%	6.56	360.63	-10.9%	423.73	4.7%	425.65	5.2%
39	6,500	16	0.1%	99.5%	421.07	6.48	425.44	1.0%	6.55	373.82	-11.2%	439.29	4.3%	441.08	4.8%
40	6,750	13	0.1%	99.6%	437.46	6.48	440.74	0.8%	6.53	387.00	-11.5%	454.85	4.0%	456.51	4.4%
41	7,000-8,000	41	0.2%	99.9%	453.85	6.48	456.04	0.5%	6.51	400.19	-11.8%	470.41	3.6%	471.93	4.0%
42	8,000-9,000	11	0.1%	99.9%	519.41	6.49	517.25	-0.4%	6.47	452.92	-12.8%	532.65	2.5%	533.64	2.7%
43	9,000-10,000	4	0.0%	100.0%	584.97	6.50	578.46	-1.1%	6.43	505.66	-13.6%	594.89	1.7%	595.35	1.8%
44	≥ 10,000	8	0.0%	100.0%	650.53	6.51	639.66	-1.7%	6.40	558.40	-14.2%	657.13	1.0%	657.06	1.0%
45		17,029													

Note: Based on 2012 billing data.

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

Rate Increase Option 1 - 16% in 2013, 16% in 2014 and 0% in 2015

Schedule No. 2 - Residential	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (2)		
			July 2013	July 2014	July 2015
<u>Base Rates</u>					
Basic Charge (\$/month)	\$10.00	\$27.61	\$35.00	\$40.00	\$40.00
Energy Charge (\$/kWh)					
< 2,000 kWh	\$0.05750	\$0.06121	\$0.04714	\$0.05598	\$0.05598
> 2,000 kWh	\$0.06316	\$0.06121	\$0.07214	\$0.08567	\$0.08567
Minimum Charge (\$/month)	n/a	\$78.27	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 Revenue		17.4%	16.0%	16.0%	0.0%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00500	\$0.00578

Notes

(1) Cost of Service rates include allocation of wholesale revenues.

(2) Increase the Basic Charge to \$40/month by 2015.

Energy Charge applied to the first 500 kWh.

Adjusted the Energy Charge blocks for a higher differential between the blocks (\$0.025/kWh) to better distribute the impact of the rate increases in 2013. Applied the same block ratio in 2014.

**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)

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	Cum. Percent Change	Bill at TY 2014 Proposed	Cum. Percent Change	Bill at TY 2015 Proposed	Cum. Percent Change
1	0	529	3.1%	3.1%	\$35.00		\$78.27	123.6%		\$35.00	0.0%	\$40.00	14.3%	\$40.00	14.3%
2	100	996	5.8%	9.0%	35.24	35.24	78.27	122.1%	78.27	39.98	13.4%	46.10	30.8%	46.18	31.0%
3	200	602	3.5%	12.5%	35.48	17.74	78.27	120.6%	39.13	44.96	26.7%	52.20	47.1%	52.35	47.6%
4	300	556	3.3%	15.8%	35.72	11.91	78.27	119.1%	26.09	49.94	39.8%	58.29	63.2%	58.53	63.9%
5	400	587	3.4%	19.2%	35.96	8.99	78.27	117.7%	19.57	54.92	52.7%	64.39	79.1%	64.70	79.9%
6	500	649	3.8%	23.0%	36.20	7.24	78.27	116.2%	15.65	59.89	65.5%	70.49	94.7%	70.88	95.8%
7	600	688	4.0%	27.1%	42.19	7.03	78.27	85.5%	13.04	64.87	53.8%	76.59	81.5%	77.05	82.6%
8	700	734	4.3%	31.4%	48.18	6.88	78.27	62.5%	11.18	69.85	45.0%	82.69	71.6%	83.23	72.7%
9	800	762	4.5%	35.8%	54.17	6.77	78.27	44.5%	9.78	74.83	38.1%	88.78	63.9%	89.41	65.0%
10	900	755	4.4%	40.3%	60.16	6.68	82.69	37.5%	9.19	79.81	32.7%	94.88	57.7%	95.58	58.9%
11	1,000	767	4.5%	44.8%	66.15	6.62	88.81	34.3%	8.88	84.79	28.2%	100.98	52.7%	101.76	53.8%
12	1,100	717	4.2%	49.0%	72.14	6.56	94.93	31.6%	8.63	89.77	24.4%	107.08	48.4%	107.93	49.6%
13	1,200	685	4.0%	53.0%	78.13	6.51	101.05	29.3%	8.42	94.75	21.3%	113.17	44.9%	114.11	46.1%
14	1,300	628	3.7%	56.7%	84.12	6.47	107.17	27.4%	8.24	99.72	18.5%	119.27	41.8%	120.29	43.0%
15	1,400	588	3.5%	60.2%	Avg.	6.44	113.29	25.7%	8.09	104.70	16.2%	125.37	39.1%	126.46	40.3%
16	1,500	543	3.2%	63.3%	96.10	6.41	119.42	24.3%	7.96	109.68	14.1%	131.47	36.8%	132.64	38.0%
17	1,600	509	3.0%	66.3%	102.09	6.38	125.54	23.0%	7.85	114.66	12.3%	137.57	34.7%	138.81	36.0%
18	1,700	456	2.7%	69.0%	108.08	6.36	131.66	21.8%	7.74	119.64	10.7%	143.66	32.9%	144.99	34.1%
19	1,800	429	2.5%	71.5%	114.07	6.34	137.78	20.8%	7.65	124.62	9.2%	149.76	31.3%	151.16	32.5%
20	1,900	381	2.2%	73.8%	120.06	6.32	143.90	19.9%	7.57	129.60	7.9%	155.86	29.8%	157.34	31.1%
21	2,000	368	2.2%	75.9%	126.05	6.30	150.02	19.0%	7.50	134.58	6.8%	161.96	28.5%	163.52	29.7%
22	2,250	784	4.6%	80.5%	142.44	6.33	165.32	16.1%	7.35	153.27	7.6%	184.62	29.6%	186.38	30.8%
23	2,500	639	3.8%	84.3%	158.83	6.35	180.62	13.7%	7.22	171.97	8.3%	207.29	30.5%	209.24	31.7%
24	2,750	521	3.1%	87.3%	175.22	6.37	195.92	11.8%	7.12	190.67	8.8%	229.96	31.2%	232.10	32.5%
25	3,000	441	2.6%	89.9%	191.61	6.39	211.22	10.2%	7.04	209.36	9.3%	252.63	31.8%	254.96	33.1%
26	3,250	354	2.1%	92.0%	208.00	6.40	226.52	8.9%	6.97	228.06	9.6%	275.29	32.4%	277.83	33.6%
27	3,500	280	1.6%	93.7%	224.39	6.41	241.83	7.8%	6.91	246.76	10.0%	297.96	32.8%	300.69	34.0%
28	3,750	220	1.3%	95.0%	240.78	6.42	257.13	6.8%	6.86	265.45	10.2%	320.63	33.2%	323.55	34.4%
29	4,000	178	1.0%	96.0%	257.17	6.43	272.43	5.9%	6.81	284.15	10.5%	343.30	33.5%	346.41	34.7%
30	4,250	139	0.8%	96.8%	273.56	6.44	287.73	5.2%	6.77	302.85	10.7%	365.96	33.8%	369.27	35.0%
31	4,500	110	0.6%	97.5%	289.95	6.44	303.03	4.5%	6.73	321.55	10.9%	388.63	34.0%	392.13	35.2%
32	4,750	85	0.5%	98.0%	306.34	6.45	318.33	3.9%	6.70	340.24	11.1%	411.30	34.3%	415.00	35.5%
33	5,000	76	0.4%	98.4%	322.73	6.45	333.63	3.4%	6.67	358.94	11.2%	433.96	34.5%	437.86	35.7%
34	5,250	54	0.3%	98.7%	339.12	6.46	348.94	2.9%	6.65	377.64	11.4%	456.63	34.7%	460.72	35.9%
35	5,500	42	0.2%	99.0%	355.51	6.46	364.24	2.5%	6.62	396.33	11.5%	479.30	34.8%	483.58	36.0%
36	5,750	33	0.2%	99.2%	371.90	6.47	379.54	2.1%	6.60	415.03	11.6%	501.97	35.0%	506.44	36.2%
37	6,000	27	0.2%	99.3%	388.29	6.47	394.84	1.7%	6.58	433.73	11.7%	524.63	35.1%	529.31	36.3%
38	6,250	24	0.1%	99.5%	404.68	6.47	410.14	1.3%	6.56	452.42	11.8%	547.30	35.2%	552.17	36.4%
39	6,500	16	0.1%	99.5%	421.07	6.48	425.44	1.0%	6.55	471.12	11.9%	569.97	35.4%	575.03	36.6%
40	6,750	13	0.1%	99.6%	437.46	6.48	440.74	0.8%	6.53	489.82	12.0%	592.63	35.5%	597.89	36.7%
41	7,000-8,000	41	0.2%	99.9%	453.85	6.48	456.04	0.5%	6.51	508.52	12.0%	615.30	35.6%	620.75	36.8%
42	8,000-9,000	11	0.1%	99.9%	519.41	6.49	517.25	-0.4%	6.47	583.30	12.3%	705.97	35.9%	712.20	37.1%
43	9,000-10,000	4	0.0%	100.0%	584.97	6.50	578.46	-1.1%	6.43	658.09	12.5%	796.64	36.2%	803.65	37.4%
44	≥ 10,000	8	0.0%	100.0%	650.53	6.51	639.66	-1.7%	6.40	732.88	12.7%	887.31	36.4%	895.10	37.6%
45		17,029													

Note: Based on 2012 billing data.

Okanogan County PUD
2013 Electric System Rate Study
Current, Cost of Service and Proposed Rates
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Option 2 (A) - 9.5% in 2013, 9.5% in 2014 and 9.5% in 2015

Schedule No. 2 - Residential	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (2)		
			July 2013	July 2014	July 2015
<u>Base Rates</u>					
Basic Charge (\$/month)	\$10.00	\$27.61	\$35.00	\$40.00	\$45.00
Energy Charge (\$/kWh)					
< 2,000 kWh	\$0.05750	\$0.06121	\$0.04174	\$0.04575	\$0.05037
> 2,000 kWh	\$0.06316	\$0.06121	\$0.07174	\$0.07575	\$0.08037
Minimum Charge (\$/month)	n/a	\$78.27	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 Revenue		17.4%	9.5%	9.5%	9.5%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00500	\$0.00578

Notes

- (1) Cost of Service rates include allocation of wholesale revenues.
- (2) The Basic Charge is \$35/month in 2013 and increases to \$45/month by 2015.
 Energy Charge applied to the first 500 kWh.
 Adjusted the Energy Charge blocks for a higher differential between the blocks (\$0.03/kWh) to better distribute the impact of the rate increases. More impact on customers with usage above 2,000 kWh than Option 2 (B).

**Okanogan County PUD
2013 Bill Frequency Analysis**

DRAFT Rate Adjustment Impact Assessment - Option 2 (A)

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	Cum. Percent Change	Bill at TY 2014 Proposed	Cum. Percent Change	Bill at TY 2015 Proposed	Cum. Percent Change
1	0	529	3.1%	3.1%	\$35.00		\$78.27	123.6%		\$35.00	0.0%	\$40.00	14.3%	\$45.00	28.6%
2	100	996	5.8%	9.0%	35.24	35.24	78.27	122.1%	78.27	39.44	11.9%	45.07	27.9%	50.61	43.6%
3	200	602	3.5%	12.5%	35.48	17.74	78.27	120.6%	39.13	43.88	23.7%	50.15	41.3%	56.23	58.5%
4	300	556	3.3%	15.8%	35.72	11.91	78.27	119.1%	26.09	48.32	35.3%	55.22	54.6%	61.84	73.1%
5	400	587	3.4%	19.2%	35.96	8.99	78.27	117.7%	19.57	52.76	46.7%	60.30	67.7%	67.46	87.6%
6	500	649	3.8%	23.0%	36.20	7.24	78.27	116.2%	15.65	57.19	58.0%	65.37	80.6%	73.07	101.9%
7	600	688	4.0%	27.1%	42.19	7.03	78.27	85.5%	13.04	61.63	46.1%	70.45	67.0%	78.69	86.5%
8	700	734	4.3%	31.4%	48.18	6.88	78.27	62.5%	11.18	66.07	37.1%	75.52	56.8%	84.30	75.0%
9	800	762	4.5%	35.8%	54.17	6.77	78.27	44.5%	9.78	70.51	30.2%	80.60	48.8%	89.92	66.0%
10	900	755	4.4%	40.3%	60.16	6.68	82.69	37.5%	9.19	74.95	24.6%	85.67	42.4%	95.53	58.8%
11	1,000	767	4.5%	44.8%	66.15	6.62	88.81	34.3%	8.88	79.39	20.0%	90.75	37.2%	101.15	52.9%
12	1,100	717	4.2%	49.0%	72.14	6.56	94.93	31.6%	8.63	83.83	16.2%	95.82	32.8%	106.76	48.0%
13	1,200	685	4.0%	53.0%	78.13	6.51	101.05	29.3%	8.42	88.27	13.0%	100.90	29.1%	112.38	43.8%
14	1,300	628	3.7%	56.7%	84.12	6.47	107.17	27.4%	8.24	92.70	10.2%	105.97	26.0%	117.99	40.3%
15	1,400	588	3.5%	60.2%	Avg. 90.11	6.44	113.29	25.7%	8.09	97.14	7.8%	111.05	23.2%	123.61	37.2%
16	1,500	543	3.2%	63.3%	96.10	6.41	119.42	24.3%	7.96	101.58	5.7%	116.12	20.8%	129.22	34.5%
17	1,600	509	3.0%	66.3%	102.09	6.38	125.54	23.0%	7.85	106.02	3.9%	121.20	18.7%	134.84	32.1%
18	1,700	456	2.7%	69.0%	108.08	6.36	131.66	21.8%	7.74	110.46	2.2%	126.27	16.8%	140.45	30.0%
19	1,800	429	2.5%	71.5%	114.07	6.34	137.78	20.8%	7.65	114.90	0.7%	131.35	15.1%	146.07	28.0%
20	1,900	381	2.2%	73.8%	120.06	6.32	143.90	19.9%	7.57	119.34	-0.6%	136.42	13.6%	151.68	26.3%
21	2,000	368	2.2%	75.9%	126.05	6.30	150.02	19.0%	7.50	123.78	-1.8%	141.50	12.3%	157.30	24.8%
22	2,250	784	4.6%	80.5%	142.44	6.33	165.32	16.1%	7.35	142.37	0.0%	161.68	13.5%	178.83	25.5%
23	2,500	639	3.8%	84.3%	158.83	6.35	180.62	13.7%	7.22	160.97	1.3%	181.87	14.5%	200.37	26.2%
24	2,750	521	3.1%	87.3%	175.22	6.37	195.92	11.8%	7.12	179.57	2.5%	202.06	15.3%	221.91	26.6%
25	3,000	441	2.6%	89.9%	191.61	6.39	211.22	10.2%	7.04	198.16	3.4%	222.25	16.0%	243.44	27.1%
26	3,250	354	2.1%	92.0%	208.00	6.40	226.52	8.9%	6.97	216.76	4.2%	242.43	16.6%	264.98	27.4%
27	3,500	280	1.6%	93.7%	224.39	6.41	241.83	7.8%	6.91	235.36	4.9%	262.62	17.0%	286.52	27.7%
28	3,750	220	1.3%	95.0%	240.78	6.42	257.13	6.8%	6.86	253.95	5.5%	282.81	17.5%	308.05	27.9%
29	4,000	178	1.0%	96.0%	257.17	6.43	272.43	5.9%	6.81	272.55	6.0%	303.00	17.8%	329.59	28.2%
30	4,250	139	0.8%	96.8%	273.56	6.44	287.73	5.2%	6.77	291.15	6.4%	323.18	18.1%	351.13	28.4%
31	4,500	110	0.6%	97.5%	289.95	6.44	303.03	4.5%	6.73	309.75	6.8%	343.37	18.4%	372.66	28.5%
32	4,750	85	0.5%	98.0%	306.34	6.45	318.33	3.9%	6.70	328.34	7.2%	363.56	18.7%	394.20	28.7%
33	5,000	76	0.4%	98.4%	322.73	6.45	333.63	3.4%	6.67	346.94	7.5%	383.74	18.9%	415.74	28.8%
34	5,250	54	0.3%	98.7%	339.12	6.46	348.94	2.9%	6.65	365.54	7.8%	403.93	19.1%	437.28	28.9%
35	5,500	42	0.2%	99.0%	355.51	6.46	364.24	2.5%	6.62	384.13	8.1%	424.12	19.3%	458.81	29.1%
36	5,750	33	0.2%	99.2%	371.90	6.47	379.54	2.1%	6.60	402.73	8.3%	444.31	19.5%	480.35	29.2%
37	6,000	27	0.2%	99.3%	388.29	6.47	394.84	1.7%	6.58	421.33	8.5%	464.49	19.6%	501.89	29.3%
38	6,250	24	0.1%	99.5%	404.68	6.47	410.14	1.3%	6.56	439.92	8.7%	484.68	19.8%	523.42	29.3%
39	6,500	16	0.1%	99.5%	421.07	6.48	425.44	1.0%	6.55	458.52	8.9%	504.87	19.9%	544.96	29.4%
40	6,750	13	0.1%	99.6%	437.46	6.48	440.74	0.8%	6.53	477.12	9.1%	525.05	20.0%	566.50	29.5%
41	7,000-8,000	41	0.2%	99.9%	453.85	6.48	456.04	0.5%	6.51	495.72	9.2%	545.24	20.1%	588.03	29.6%
42	8,000-9,000	11	0.1%	99.9%	519.41	6.49	517.25	-0.4%	6.47	570.10	9.8%	625.99	20.5%	674.18	29.8%
43	9,000-10,000	4	0.0%	100.0%	584.97	6.50	578.46	-1.1%	6.43	644.49	10.2%	706.74	20.8%	760.33	30.0%
44	≥ 10,000	8	0.0%	100.0%	650.53	6.51	639.66	-1.7%	6.40	718.88	10.5%	787.49	21.1%	846.48	30.1%
45		17,029													

Note: Based on 2012 billing data.

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

Option 2 (B) - 9.5% in 2013, 9.5% in 2014 and 9.5% in 2015

Schedule No. 2 - Residential	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (2)		
			July 2013	July 2014	July 2015
<u>Base Rates</u>					
Basic Charge (\$/month)	\$10.00	\$27.61	\$35.00	\$40.00	\$45.00
Energy Charge (\$/kWh)					
< 2,000 kWh	\$0.05750	\$0.06121	\$0.04381	\$0.04751	\$0.05176
> 2,000 kWh	\$0.06316	\$0.06121	\$0.06316	\$0.06849	\$0.07462
Minimum Charge (\$/month)	n/a	\$78.27	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 Revenue		17.4%	9.5%	9.5%	9.5%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00500	\$0.00578

Notes

- (1) Cost of Service rates include allocation of wholesale revenues.
- (2) Set the Basic Charge to \$35/month in 2013 and increased this to \$45/month by 2015.
Energy Charge applied to the first 500 kWh.

The second block of the Energy Charge in 2013 is equal the existing rate. Adjusted the rate in the first block. Used the same ratio between the blocks to adjust 2014 and 2015. Less impact on customers with usage of 2,000 kWh than Option (A).

**Okanogan County PUD
2013 Bill Frequency Analysis**

DRAFT Rate Adjustment Impact Assessment - Option 2 (B)

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	Cum. Percent Change	Bill at TY 2014 Proposed	Cum. Percent Change	Bill at TY 2015 Proposed	Cum. Percent Change
1	0	529	3.1%	3.1%	\$35.00		\$78.27	123.6%		\$35.00	0.0%	\$40.00	14.3%	\$45.00	28.6%
2	100	996	5.8%	9.0%	35.24	35.24	78.27	122.1%	78.27	39.65	12.5%	45.25	28.4%	50.75	44.0%
3	200	602	3.5%	12.5%	35.48	17.74	78.27	120.6%	39.13	44.29	24.8%	50.50	42.3%	56.51	59.3%
4	300	556	3.3%	15.8%	35.72	11.91	78.27	119.1%	26.09	48.94	37.0%	55.75	56.1%	62.26	74.3%
5	400	587	3.4%	19.2%	35.96	8.99	78.27	117.7%	19.57	53.58	49.0%	61.00	69.6%	68.02	89.1%
6	500	649	3.8%	23.0%	36.20	7.24	78.27	116.2%	15.65	58.23	60.9%	66.25	83.0%	73.77	103.8%
7	600	688	4.0%	27.1%	42.19	7.03	78.27	85.5%	13.04	62.87	49.0%	71.51	69.5%	79.52	88.5%
8	700	734	4.3%	31.4%	48.18	6.88	78.27	62.5%	11.18	67.52	40.1%	76.76	59.3%	85.28	77.0%
9	800	762	4.5%	35.8%	54.17	6.77	78.27	44.5%	9.78	72.17	33.2%	82.01	51.4%	91.03	68.0%
10	900	755	4.4%	40.3%	60.16	6.68	82.69	37.5%	9.19	76.81	27.7%	87.26	45.0%	96.78	60.9%
11	1,000	767	4.5%	44.8%	66.15	6.62	88.81	34.3%	8.88	81.46	23.1%	92.51	39.8%	102.54	55.0%
12	1,100	717	4.2%	49.0%	72.14	6.56	94.93	31.6%	8.63	86.10	19.4%	97.76	35.5%	108.29	50.1%
13	1,200	685	4.0%	53.0%	78.13	6.51	101.05	29.3%	8.42	90.75	16.2%	103.01	31.8%	114.05	46.0%
14	1,300	628	3.7%	56.7%	84.12	6.47	107.17	27.4%	8.24	95.40	13.4%	108.26	28.7%	119.80	42.4%
15	1,400	588	3.5%	60.2%	Avg. 90.11	6.44	113.29	25.7%	8.09	100.04	11.0%	113.51	26.0%	125.55	39.3%
16	1,500	543	3.2%	63.3%	96.10	6.41	119.42	24.3%	7.96	104.69	8.9%	118.76	23.6%	131.31	36.6%
17	1,600	509	3.0%	66.3%	102.09	6.38	125.54	23.0%	7.85	109.33	7.1%	124.01	21.5%	137.06	34.3%
18	1,700	456	2.7%	69.0%	108.08	6.36	131.66	21.8%	7.74	113.98	5.5%	129.27	19.6%	142.81	32.1%
19	1,800	429	2.5%	71.5%	114.07	6.34	137.78	20.8%	7.65	118.62	4.0%	134.52	17.9%	148.57	30.2%
20	1,900	381	2.2%	73.8%	120.06	6.32	143.90	19.9%	7.57	123.27	2.7%	139.77	16.4%	154.32	28.5%
21	2,000	368	2.2%	75.9%	126.05	6.30	150.02	19.0%	7.50	127.92	1.5%	145.02	15.0%	160.08	27.0%
22	2,250	784	4.6%	80.5%	142.44	6.33	165.32	16.1%	7.35	144.37	1.4%	163.39	14.7%	180.17	26.5%
23	2,500	639	3.8%	84.3%	158.83	6.35	180.62	13.7%	7.22	160.82	1.3%	181.76	14.4%	200.27	26.1%
24	2,750	521	3.1%	87.3%	175.22	6.37	195.92	11.8%	7.12	177.27	1.2%	200.13	14.2%	220.37	25.8%
25	3,000	441	2.6%	89.9%	191.61	6.39	211.22	10.2%	7.04	193.72	1.1%	218.51	14.0%	240.47	25.5%
26	3,250	354	2.1%	92.0%	208.00	6.40	226.52	8.9%	6.97	210.18	1.0%	236.88	13.9%	260.57	25.3%
27	3,500	280	1.6%	93.7%	224.39	6.41	241.83	7.8%	6.91	226.63	1.0%	255.25	13.8%	280.67	25.1%
28	3,750	220	1.3%	95.0%	240.78	6.42	257.13	6.8%	6.86	243.08	1.0%	273.62	13.6%	300.77	24.9%
29	4,000	178	1.0%	96.0%	257.17	6.43	272.43	5.9%	6.81	259.53	0.9%	292.00	13.5%	320.87	24.8%
30	4,250	139	0.8%	96.8%	273.56	6.44	287.73	5.2%	6.77	275.98	0.9%	310.37	13.5%	340.97	24.6%
31	4,500	110	0.6%	97.5%	289.95	6.44	303.03	4.5%	6.73	292.44	0.9%	328.74	13.4%	361.07	24.5%
32	4,750	85	0.5%	98.0%	306.34	6.45	318.33	3.9%	6.70	308.89	0.8%	347.11	13.3%	381.17	24.4%
33	5,000	76	0.4%	98.4%	322.73	6.45	333.63	3.4%	6.67	325.34	0.8%	365.48	13.2%	401.27	24.3%
34	5,250	54	0.3%	98.7%	339.12	6.46	348.94	2.9%	6.65	341.79	0.8%	383.86	13.2%	421.37	24.3%
35	5,500	42	0.2%	99.0%	355.51	6.46	364.24	2.5%	6.62	358.24	0.8%	402.23	13.1%	441.47	24.2%
36	5,750	33	0.2%	99.2%	371.90	6.47	379.54	2.1%	6.60	374.70	0.8%	420.60	13.1%	461.57	24.1%
37	6,000	27	0.2%	99.3%	388.29	6.47	394.84	1.7%	6.58	391.15	0.7%	438.97	13.1%	481.67	24.0%
38	6,250	24	0.1%	99.5%	404.68	6.47	410.14	1.3%	6.56	407.60	0.7%	457.35	13.0%	501.77	24.0%
39	6,500	16	0.1%	99.5%	421.07	6.48	425.44	1.0%	6.55	424.05	0.7%	475.72	13.0%	521.87	23.9%
40	6,750	13	0.1%	99.6%	437.46	6.48	440.74	0.8%	6.53	440.50	0.7%	494.09	12.9%	541.96	23.9%
41	7,000-8,000	41	0.2%	99.9%	453.85	6.48	456.04	0.5%	6.51	456.96	0.7%	512.46	12.9%	562.06	23.8%
42	8,000-9,000	11	0.1%	99.9%	519.41	6.49	517.25	-0.4%	6.47	522.76	0.6%	585.95	12.8%	642.46	23.7%
43	9,000-10,000	4	0.0%	100.0%	584.97	6.50	578.46	-1.1%	6.43	588.57	0.6%	659.44	12.7%	722.86	23.6%
44	≥ 10,000	8	0.0%	100.0%	650.53	6.51	639.66	-1.7%	6.40	654.38	0.6%	732.93	12.7%	803.26	23.5%
45		17,029													

Note: Based on 2012 billing data.

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

Option 3 - Increase Basic Charge, No Change to Energy Charges

Schedule No. 2 - Residential	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (2)		
			July 2013	July 2014	July 2015
<u>Base Rates</u>					
Basic Charge (\$/month)	\$10.00	\$27.61	\$40.00	\$45.00	\$50.00
Energy Charge (\$/kWh)					
< 2,000 kWh	\$0.05750	\$0.06121	\$0.05750	\$0.05750	\$0.05750
> 2,000 kWh	\$0.06316	\$0.06121	\$0.06316	\$0.06316	\$0.06316
Minimum Charge (\$/month)	n/a	\$78.27	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 Revenue		17.4%	30.8%	3.6%	3.6%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00500	\$0.00578

Notes

- (1) Cost of Service rates include allocation of wholesale revenues.
- (2) Set the Basic Charge to \$40/month in 2013 and increased this to \$50/month by 2015.
 Energy Charge applied to the first 500 kWh.
 No changes in the Energy Charge for 2013-2015.

**Okanogan County PUD
2013 Bill Frequency Analysis**

Option 3 - Increase Basic Charge, No Change to Energy Charges

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	Cum. Percent Change	Bill at TY 2014 Proposed	Cum. Percent Change	Bill at TY 2015 Proposed	Cum. Percent Change
1	0	529	3.1%	3.1%	\$35.00		\$78.27	123.6%		\$40.00	14.3%	\$45.00	28.6%	\$50.00	42.9%
2	100	996	5.8%	9.0%	35.24	35.24	78.27	122.1%	78.27	46.01	30.6%	51.25	45.4%	56.33	59.8%
3	200	602	3.5%	12.5%	35.48	17.74	78.27	120.6%	39.13	52.03	46.6%	57.50	62.1%	62.66	76.6%
4	300	556	3.3%	15.8%	35.72	11.91	78.27	119.1%	26.09	58.04	62.5%	63.75	78.5%	68.98	93.1%
5	400	587	3.4%	19.2%	35.96	8.99	78.27	117.7%	19.57	64.06	78.1%	70.00	94.7%	75.31	109.4%
6	500	649	3.8%	23.0%	36.20	7.24	78.27	116.2%	15.65	70.07	93.6%	76.25	110.6%	81.64	125.5%
7	600	688	4.0%	27.1%	42.19	7.03	78.27	85.5%	13.04	76.09	80.3%	82.50	95.5%	87.97	108.5%
8	700	734	4.3%	31.4%	48.18	6.88	78.27	62.5%	11.18	82.10	70.4%	88.75	84.2%	94.29	95.7%
9	800	762	4.5%	35.8%	54.17	6.77	78.27	44.5%	9.78	88.12	62.7%	95.00	75.4%	100.62	85.8%
10	900	755	4.4%	40.3%	60.16	6.68	82.69	37.5%	9.19	94.13	56.5%	101.25	68.3%	106.95	77.8%
11	1,000	767	4.5%	44.8%	66.15	6.62	88.81	34.3%	8.88	100.15	51.4%	107.50	62.5%	113.28	71.2%
12	1,100	717	4.2%	49.0%	72.14	6.56	94.93	31.6%	8.63	106.16	47.2%	113.75	57.7%	119.61	65.8%
13	1,200	685	4.0%	53.0%	78.13	6.51	101.05	29.3%	8.42	112.18	43.6%	120.00	53.6%	125.93	61.2%
14	1,300	628	3.7%	56.7%	84.12	6.47	107.17	27.4%	8.24	118.19	40.5%	126.25	50.1%	132.26	57.2%
15	1,400	588	3.5%	60.2%	Avg. 90.11	6.44	113.29	25.7%	8.09	124.21	37.8%	132.50	47.0%	138.59	53.8%
16	1,500	543	3.2%	63.3%	96.10	6.41	119.42	24.3%	7.96	130.22	35.5%	138.75	44.4%	144.92	50.8%
17	1,600	509	3.0%	66.3%	102.09	6.38	125.54	23.0%	7.85	136.24	33.4%	145.00	42.0%	151.24	48.1%
18	1,700	456	2.7%	69.0%	108.08	6.36	131.66	21.8%	7.74	142.25	31.6%	151.25	39.9%	157.57	45.8%
19	1,800	429	2.5%	71.5%	114.07	6.34	137.78	20.8%	7.65	148.27	30.0%	157.50	38.1%	163.90	43.7%
20	1,900	381	2.2%	73.8%	120.06	6.32	143.90	19.9%	7.57	154.28	28.5%	163.75	36.4%	170.23	41.8%
21	2,000	368	2.2%	75.9%	126.05	6.30	150.02	19.0%	7.50	160.30	27.2%	170.00	34.9%	176.56	40.1%
22	2,250	784	4.6%	80.5%	142.44	6.33	165.32	16.1%	7.35	176.75	24.1%	187.04	31.3%	193.79	36.1%
23	2,500	639	3.8%	84.3%	158.83	6.35	180.62	13.7%	7.22	193.20	21.6%	204.08	28.5%	211.02	32.9%
24	2,750	521	3.1%	87.3%	175.22	6.37	195.92	11.8%	7.12	209.65	19.7%	221.12	26.2%	228.26	30.3%
25	3,000	441	2.6%	89.9%	191.61	6.39	211.22	10.2%	7.04	226.10	18.0%	238.16	24.3%	245.49	28.1%
26	3,250	354	2.1%	92.0%	208.00	6.40	226.52	8.9%	6.97	242.56	16.6%	255.20	22.7%	262.73	26.3%
27	3,500	280	1.6%	93.7%	224.39	6.41	241.83	7.8%	6.91	259.01	15.4%	272.24	21.3%	279.96	24.8%
28	3,750	220	1.3%	95.0%	240.78	6.42	257.13	6.8%	6.86	275.46	14.4%	289.28	20.1%	297.20	23.4%
29	4,000	178	1.0%	96.0%	257.17	6.43	272.43	5.9%	6.81	291.91	13.5%	306.32	19.1%	314.43	22.3%
30	4,250	139	0.8%	96.8%	273.56	6.44	287.73	5.2%	6.77	308.36	12.7%	323.36	18.2%	331.67	21.2%
31	4,500	110	0.6%	97.5%	289.95	6.44	303.03	4.5%	6.73	324.82	12.0%	340.39	17.4%	348.90	20.3%
32	4,750	85	0.5%	98.0%	306.34	6.45	318.33	3.9%	6.70	341.27	11.4%	357.43	16.7%	366.13	19.5%
33	5,000	76	0.4%	98.4%	322.73	6.45	333.63	3.4%	6.67	357.72	10.8%	374.47	16.0%	383.37	18.8%
34	5,250	54	0.3%	98.7%	339.12	6.46	348.94	2.9%	6.65	374.17	10.3%	391.51	15.4%	400.60	18.1%
35	5,500	42	0.2%	99.0%	355.51	6.46	364.24	2.5%	6.62	390.62	9.9%	408.55	14.9%	417.84	17.5%
36	5,750	33	0.2%	99.2%	371.90	6.47	379.54	2.1%	6.60	407.08	9.5%	425.59	14.4%	435.07	17.0%
37	6,000	27	0.2%	99.3%	388.29	6.47	394.84	1.7%	6.58	423.53	9.1%	442.63	14.0%	452.31	16.5%
38	6,250	24	0.1%	99.5%	404.68	6.47	410.14	1.3%	6.56	439.98	8.7%	459.67	13.6%	469.54	16.0%
39	6,500	16	0.1%	99.5%	421.07	6.48	425.44	1.0%	6.55	456.43	8.4%	476.71	13.2%	486.78	15.6%
40	6,750	13	0.1%	99.6%	437.46	6.48	440.74	0.8%	6.53	472.88	8.1%	493.75	12.9%	504.01	15.2%
41	7,000-8,000	41	0.2%	99.9%	453.85	6.48	456.04	0.5%	6.51	489.34	7.8%	510.79	12.5%	521.24	14.8%
42	8,000-9,000	11	0.1%	99.9%	519.41	6.49	517.25	-0.4%	6.47	555.14	6.9%	578.95	11.5%	590.18	13.6%
43	9,000-10,000	4	0.0%	100.0%	584.97	6.50	578.46	-1.1%	6.43	620.95	6.2%	647.11	10.6%	659.12	12.7%
44	≥ 10,000	8	0.0%	100.0%	650.53	6.51	639.66	-1.7%	6.40	686.76	5.6%	715.27	10.0%	728.06	11.9%
45		17,029													

Note: Based on 2012 billing data.