

2017 Equity Management Plan and Rate Design Study





Agenda

- Review of the equity management plan (EMP) process
- Review results of 2017 EMP
- Review of rate setting process
- Review 2017 rate proposal



2017 Equity Management Plan

Equity Management Plan

- Spreadsheet-based model
- Projects District's financial performance over a 10-year period
- Equity management plan is used to evaluate
 - Financial metrics
 - Relative equity and debt levels
 - Debt financing options and long-term cost impacts
 - Available cash balances
 - Review of necessary rate adjustments over time
- Allows analysis of alternative scenarios

Key Factors in the EMP Analysis

- Model Inputs
 - Power supply assumptions
 - Load forecast
 - Operating expenses
 - Capital improvements
- Model Outputs
 - Equity levels / Equity ratio
 - Debt Service Coverage Ratios (DSC)
 - Times Interest Earned Ratios (TIER)
 - Cash reserves
 - Rate adjustments

Use of EMP in Ratemaking Process

- Used to estimate a utility's specific costs and revenues
- Evaluate possible shortfalls between projected costs and revenues
- Helpful in evaluating the need for current and future rate changes in order to:
 - Meet financial covenants
 - Review tradeoffs between debt and rate financed capital improvements
 - Understand need for near and long-term rate adjustments
- Allows for analysis of alternative future variations and uncertainty in key factors impacting utility

Four EMP Scenarios Reviewed

Based on Board's input, four EMP options reviewed:

- 1. Additional CIP spending (2018-2019) based on \$7.5 million debt issuance in 2017
- 2. Additional CIP spending (2018-2020) based on \$10.0 million debt issuance in 2017
- Debt issuance of \$35.0 million in 2021 for Enloe Dam
- Additional CIP spending (2018-2019) based on \$10.0 million debt issuance in 2018 and \$35.0 million debt issuance in 2021 for Enloe Dam

Key Factors Influencing Board Decision

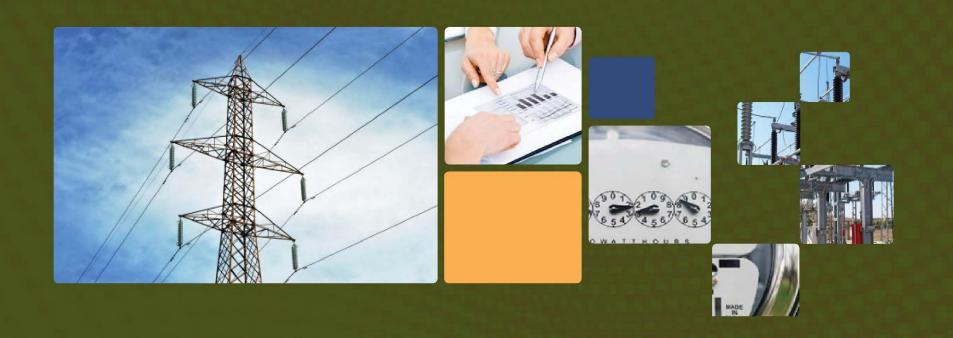
Board mentioned the following factors in evaluating and prioritizing EMP options:

- 1. Routine capital spending at current levels to continue
- 2. Identified significant capital projects (2018-2019):
 - Ophir to Okanogan Transmission Line (\$5.0 million)
 - Tonasket Substation Improvements (\$4.0 million)
 - Ellisforde/Whitestone Transformer Replacement (\$1.0 million)
- 3. Now is a good time to borrow funds for capital additions

EMP Option 4 Selected by Board

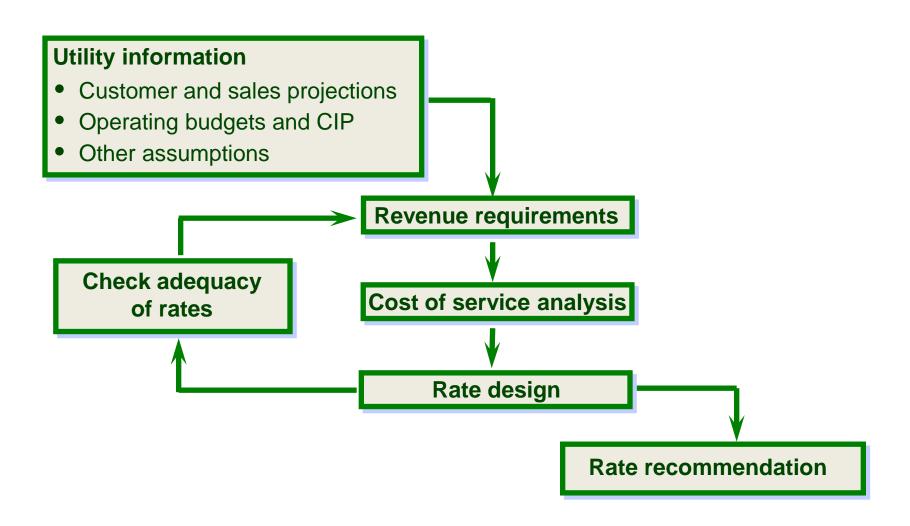
Key Elements of District's 2017 EMP:

- Additional CIP spending (2018-2019) based on \$10.0 million debt issuance in 2018 and possible \$35.0 million debt issuance in 2021 for Enloe Dam
- 2. Impacts of one time 2% rate increase on September 1, 2017 reviewed
- 3. With use of \$2.4 million of Rate Stabilization Fund in 2017
- 4. District meets key financial targets for 2017.



Review of the Rate Setting Process

Steps in Electric Utility Ratemaking



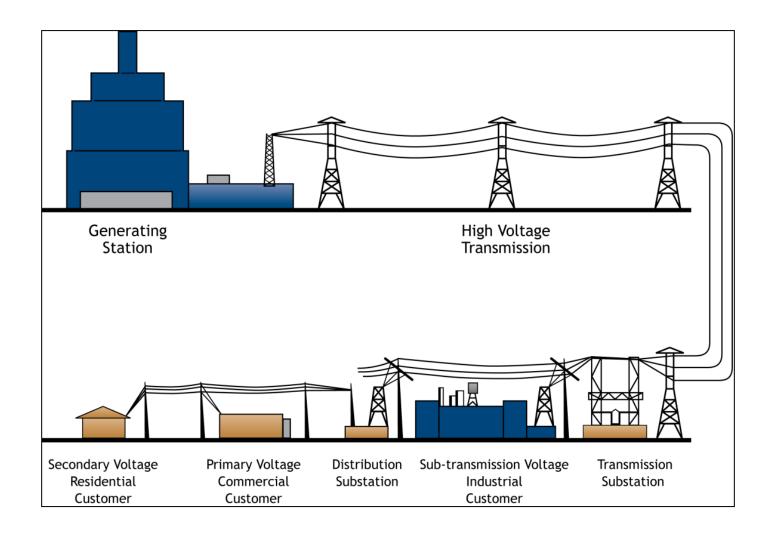
Revenue Requirements

- Determines the overall level of revenue needed to provide electric service
- Items included in the revenue requirement:
 - Operation and maintenance costs
 - Other operating costs (e.g., taxes)
 - Interest expense
 - Depreciation
 - Other income (e.g., interest earnings)
 - Margins

Cost of Service

- Cost-of-service (COS) equals total cost of providing utility service to groups of similar customers or customer classes
- COS analysis is the process of classifying and allocating a utility's revenue requirements to customer classes
- Complicated, data intensive but conceptually not difficult

Typical Electric Utility System



Principles Used in Rate Design

- Promote revenue stability for the utility
- Reflect the cost of providing services
- Easily understood by customers
- Promote rate continuity over time
- Fair, equitable and non-discriminatory test
- Easy to administer
- Promote efficient use of electricity
- Meet and reflect District's policy objectives

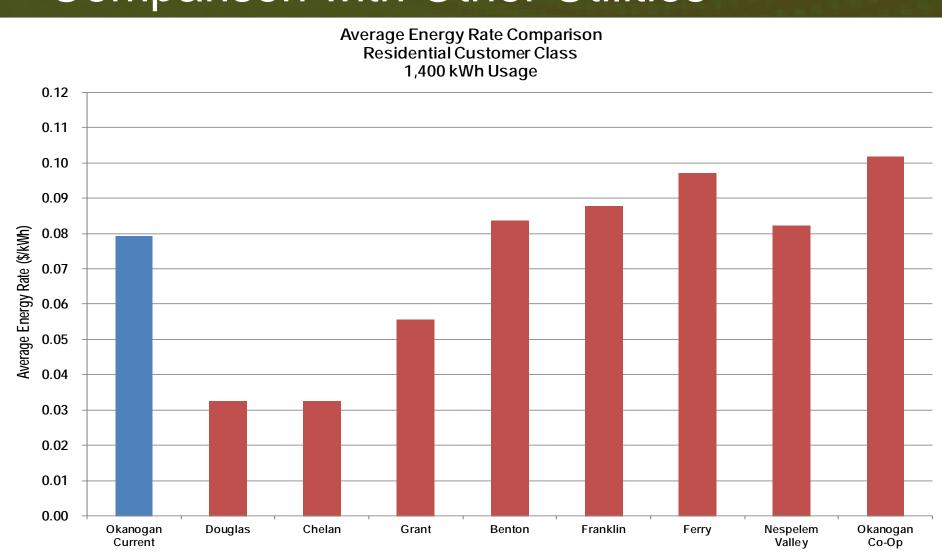
Rates	Residential	Small General Service
Basic Charge (\$/month)	\$35.00	\$40.00
Energy Charge:	>2,000 kW: \$0.04486 >2,000 kW: \$0.06513	\$0.05450
Demand Charge (\$/kW)	n/a	\$5.50 (All kW/month when >=50 kW)
COPA (\$/kWh)	\$0.00560	\$0.00560

Rates	Large General Service	Primary Industrial Service		
Basic Charge (\$/month)	\$20.00	\$80.00		
Energy Charge (\$/kWh)	\$0.04646	\$0.03728		
Demand Charge (\$/kW)	\$5.50	\$7.00		
Minimum Demand (kW)	50	1,000		
Minimum Demand Charge (\$/month)	\$275	\$7,000		
COPA (\$/kWh)	\$0.00560	\$0.00560		

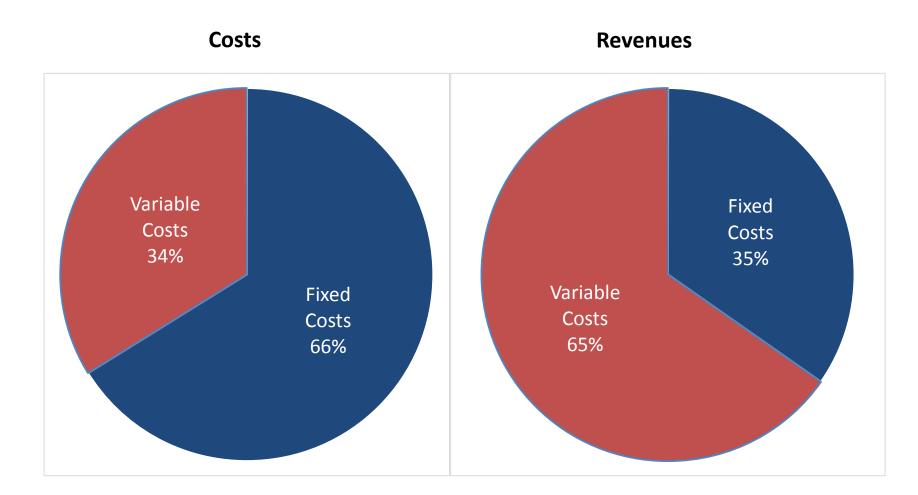
Rates	Irrigation Services	Frost Control
Basic Charge	\$15.00/month	\$120.00/year
Energy Charge: Seasonal (\$/kWh)	\$0.04450	\$0.03324
Energy Charge: Inter-Seasonal (\$/kWh)	\$0.07004	\$0.07004
Demand Charge (\$/kW)	\$4.00 (All kW)	\$4.50 (All kW)
COPA (\$/kWh)	\$0.00560	\$0.00560

Rates	Street Lighting
8,000 Lumen (\$/lamp/month)	\$7.20
22,000 Lumen (\$/lamp/month)	\$10.90

Comparison with Other Utilities



2013 Study Comparison of Residential Costs and Revenues



Several Rate Changes Considered

- Combining Small and Large General Service Classes?
- Zero-basing COPA by including charge into Energy Charges?
- Simplify rates to represent Basic, Energy, and Power Charges (including COPA)?
- Adjusting class rates toward COS levels?
- Others?

Proposed Rate Changes

Overall Rate Change	Large General Service (LGS)	Small General Service (SGS)
Overall Increase 2%	No minimum demand charge	No change to the demand charge or threshold
Across the board increase	Only charged for kW used	Annual review of customers exceeding 50 kW demand
Relative increase to all rate components	Low usage kW customers no longer impacted by minimum demand charge	Increase energy charge - offset revenue from elimination of minimum demand charge in LGS
		Results in moderately above- average increase (~4%)

Rates	Residential	Small General Service
Basic Charge (\$/month)	\$36.00	\$41.00
Energy Charge:	>2,000 kW: \$0.04565 >2,000 kW: \$0.06648	\$0.05715
Demand Charge (\$/kW)	n/a	\$5.70 (All kW/month when >=50 kW)
COPA (\$/kWh)	\$0.00560	\$0.00560

Rates	Large General Service	Primary Industrial Service		
Basic Charge (\$/month)	\$21.00	\$82.00		
Energy Charge (\$/kWh)	\$0.04725	\$0.03800		
Demand Charge (\$/kW)	\$5.70 (All kW)	\$7.20 (All kW)		
Minimum Demand (kW)	n/a	1,000		
Minimum Demand Charge (\$/month)	n/a	\$7,200		
COPA (\$/kWh)	\$0.00560	\$0.00560		

Rates	Irrigation Services	Frost Control
Basic Charge	\$15.00/month	\$122.00/year
Energy Charge: Seasonal (\$/kWh)	\$0.04550	\$0.03365
Energy Charge: Inter-Seasonal (\$/kWh)	\$0.07160	\$0.07160
Demand Charge (\$/kW)	\$4.10 (All kW)	\$4.60 (All kW)
COPA (\$/kWh)	\$0.00560	\$0.00560

- Street Lighting:
 - No increase in rates
 - Changing to LED lights will lower costs so no increase recommended

Proposed Residential Bill Impact

Schedule No. 2 - Residential

kWh	No. of	% of	Cum.		Bill at Current	Cents	Bill at TY 2017	Amount	Percent
per month	Customers	Total	% of Total		Rates	per kWh	Proposed	Change	Change
0	632	3.6%	3.6%		\$35.00		\$36.00	\$1.00	2.9%
100	1,064	6.1%	9.8%		40.05	40.05	41.13	1.08	2.7%
200	654	3.8%	13.6%		45.09	22.55	46.25	1.16	2.6%
300	633	3.7%	17.2%		50.14	16.71	51.38	1.24	2.5%
500	729	4.2%	25.3%		60.23	12.05	61.63	1.40	2.3%
700	838	4.8%	34.7%		70.32	10.05	71.88	1.55	2.2%
900	831	4.8%	44.4%		80.41	8.93	82.13	1.71	2.1%
1,000	828	4.8%	49.2%	Avg.	85.46	8.55	87.25	1.79	2.1%
1,500	536	3.1%	68.1%		110.69	7.38	112.88	2.19	2.0%
2,000	333	1.9%	79.7%		135.92	6.80	138.50	2.58	1.9%
2,500	558	3.2%	86.9%		171.29	6.85	174.54	3.26	1.9%
3,000	374	2.2%	91.6%		206.65	6.89	210.58	3.93	1.9%
4,000	151	0.9%	96.6%		277.38	6.93	282.66	5.28	1.9%
4,250	119	0.7%	97.2%		295.06	6.94	300.68	5.62	1.9%
4,500	98	0.6%	97.8%		312.75	6.95	318.70	5.96	1.9%
4,750	74	0.4%	98.2%		330.43	6.96	336.72	6.29	1.9%
5,000	60	0.3%	98.6%		348.11	6.96	354.74	6.63	1.9%
6,500	14	0.1%	99.6%		454.21	6.99	462.86	8.66	1.9%
>10,000	8	0.0%	100.0%		701.76	7.02	715.14	13.38	1.9%

Proposed Small General Service Bill Impact

Schedule No. 3A - Small General Service

							Bill at		Bill with Proposed			Bill with Proposed		
kWh	No. of	% of	Cum.	kW	Load		Current	Cents	Rate	Amount	Percent	Rate	Amount	Percent
per month	Customers	Total	% of Total	per Month	Factor		Rates	per kWh	Change	Change	Change	Increase	Change	Change
0	152	6.80%	6.8%	0.0	28.6%		\$40.00		\$40.00	\$0.00	0.0%	\$41.00	\$1.00	2.5%
250	464	20.75%	27.5%	1.2	28.6%		55.03	22.01	55.40	0.38	0.7%	56.69	1.66	3.0%
500	213	9.54%	37.1%	2.4	28.6%		70.05	14.01	70.80	0.75	1.1%	72.38	2.33	3.3%
750	168	7.53%	44.6%	3.6	28.6%		85.08	11.34	86.20	1.13	1.3%	88.06	2.99	3.5%
1,000	144	6.42%	51.0%	4.8	28.6%	Avg.	100.10	10.01	101.60	1.50	1.5%	103.75	3.65	3.6%
1,500	228	10.20%	61.2%	7.2	28.6%		130.15	8.68	132.40	2.25	1.7%	135.13	4.97	3.8%
2,000	159	7.12%	68.4%	9.6	28.6%		160.20	8.01	163.20	3.00	1.9%	166.50	6.30	3.9%
3,000	91	4.08%	77.6%	14.4	28.6%		220.30	7.34	224.80	4.50	2.0%	229.25	8.95	4.1%
4,000	60	2.69%	83.5%	19.2	28.6%		280.40	7.01	286.40	6.00	2.1%	292.00	11.60	4.1%
5,000	38	1.70%	87.4%	24.0	28.6%		340.50	6.81	348.00	7.50	2.2%	354.75	14.25	4.2%
7,500	21	0.94%	93.2%	36.0	28.6%		490.75	6.54	502.00	11.25	2.3%	511.63	20.88	4.3%
10,000	11	0.48%	96.5%	48.0	28.6%		641.00	6.41	656.00	15.00	2.3%	668.50	27.50	4.3%
13,000	12	0.53%	98.2%	62.4	28.6%		1,164.30	8.96	1,183.80	19.50	1.7%	1,212.22	47.92	4.1%
15,000	6	0.25%	98.8%	72.0	28.6%		1,337.26	8.92	1,359.76	22.50	1.7%	1,392.41	55.14	4.1%
20,000	2	0.10%	99.6%	95.9	28.6%		1,769.69	8.85	1,799.69	30.00	1.7%	1,842.87	73.19	4.1%
30,000	4	0.18%	100.0%	143.9	28.6%		2,634.53	8.78	2,679.53	45.00	1.7%	2,743.81	109.28	4.1%

Proposed Large General Service Bill Impact

Schedule No. 3B - Large General Service

									Bill with			Bill with		
							Bill at		Proposed			Proposed		
kWh	No. of	% of	Cum.	kW	Load		Current	Cents	Rate	Amount	Percent	Rate	Amount	Percent
per month	Customers	Total	% of Total	per Month	Factor		Rates	per kWh	Change	Change	Change	Increase	Change	Change
0	5	1.7%	1.75%	0.0	46.3%		\$295.00		\$20.00	-\$275.00	-93.2%	\$21.00	-\$274.00	-92.9%
1,000	10	3.5%	5.28%	3.0	46.3%		347.06	34.71	88.33	-258.73	-74.6%	90.71	-256.35	-73.9%
5,000	9	3.3%	16.66%	14.8	46.3%		555.30	11.11	361.63	-193.67	-34.9%	369.54	-185.76	-33.5%
10,000	7	2.6%	29.67%	29.6	46.3%		815.60	8.16	703.27	-112.33	-13.8%	718.08	-97.52	-12.0%
15,000	29	10.5%	40.20%	44.4	46.3%		1,075.90	7.17	1,044.90	-31.00	-2.9%	1,066.62	-9.28	-0.9%
20,000	21	7.9%	48.08%	59.2	46.3%	Avg.	1,386.53	6.93	1,386.53	0.00	0.0%	1,415.17	28.63	2.1%
25,000	17	6.4%	54.50%	73.9	46.3%		1,728.17	6.91	1,728.17	0.00	0.0%	1,763.71	35.54	2.1%
30,000	16	5.8%	60.29%	88.7	46.3%		2,069.80	6.90	2,069.80	0.00	0.0%	2,112.25	42.45	2.1%
50,000	7	2.5%	73.73%	147.9	46.3%		3,436.34	6.87	3,436.34	0.00	0.0%	3,506.41	70.08	2.0%
75,000	3	1.0%	82.42%	221.8	46.3%		5,144.51	6.86	5,144.51	0.00	0.0%	5,249.12	104.61	2.0%
100,000	3	1.0%	87.54%	295.8	46.3%		6,852.67	6.85	6,852.67	0.00	0.0%	6,991.83	139.15	2.0%
200,000	2	0.8%	95.64%	591.5	46.3%		13,685.35	6.84	13,685.35	0.00	0.0%	13,962.65	277.30	2.0%
300,000	1	0.4%	97.94%	887.3	46.3%		20,518.02	6.84	20,518.02	0.00	0.0%	20,933.48	415.46	2.0%
400,000	2	0.6%	99.69%	1,183.0	46.3%		27,350.69	6.84	27,350.69	0.00	0.0%	27,904.30	553.61	2.0%
425,000	1	0.3%	100.00%	1,257.0	46.3%		29,058.86	6.84	29,058.86	0.00	0.0%	29,647.01	588.15	2.0%

Proposed Industrial Bill Impact

Schedule No. 4 - Primary Industrial Service

_					<u> </u>				
		Bill at					Bill at		
	kWh	No. of	kW	Load	Current	Cents	TY 2017	Amount	Percent
	per month	Customers	per Month	Factor	Rates	per kWh	Proposed	Change	Change
	25,000	0	68	50.0%	\$8,152	32.61	\$8,372	\$220	2.7%
	100,000	0	274	50.0%	11,368	11.37	11,642	274	2.4%
	200,000	0	548	50.0%	15,656	7.83	16,002	346	2.2%
	300,000	0	822	50.0%	19,944	6.65	20,362	418	2.1%
	350,000	1	1,189	40.3%	23,411	6.69	23,903	492	2.1%
	400,000	0	1,096	50.0%	24,903	6.23	25,412	509	2.0%
	500,000	0	1,370	50.0%	31,109	6.22	31,745	636	2.0%
	700,000	0	1,918	50.0%	43,521	6.22	44,410	890	2.0%
	800,000	0	2,192	50.0%	49,726	6.22	50,743	1,016	2.0%
	850,000	1	1,722	50.0%	48,582	5.72	49,540	958	2.0%
	900,000	0	2,466	50.0%	55,932	6.21	57,075	1,143	2.0%
	1,000,000	0	2,740	50.0%	62,138	6.21	63,408	1,270	2.0%
	1,500,000	0	4,110	50.0%	93,167	6.21	95,071	1,904	2.0%
	2,000,000	0	5,479	50.0%	124,196	6.21	126,734	2,538	2.0%
	2,500,000	0	6,849	50.0%	155,225	6.21	158,397	3,172	2.0%
	3,000,000	0	1,776	50.0%	141,150	4.70	143,667	2,517	1.8%
					•				

Proposed Irrigation Bill Impact

Schedule No. 6 - Irrigation

						Bill at		Bill at		
No. of	% of	Cum.	kW	Load		Current	Cents	TY 2017	Amount	Percent
Customers	Total	% of Total	per Month	Factor		Rates	per kWh	Proposed	Change	Change
270	22.0%	22.0%	0	38.2%		\$15.00		\$15.00	\$0.00	0.0%
227	18.6%	40.6%	2	38.2%		47.22	9.44	47.90	0.68	1.4%
89	7.3%	47.8%	4	38.2%		79.44	7.94	80.80	1.36	1.7%
70	5.7%	53.5%	5	38.2%	Avg.	111.67	7.44	113.70	2.04	1.8%
40	3.3%	65.1%	11	38.2%		208.33	6.94	212.41	4.08	2.0%
30	2.5%	70.6%	14	38.2%		272.78	6.82	278.21	5.43	2.0%
23	1.9%	74.6%	18	38.2%		337.22	6.74	344.01	6.79	2.0%
16	1.3%	80.7%	25	38.2%		466.11	6.66	475.62	9.51	2.0%
11	0.9%	86.2%	36	38.2%		659.44	6.59	673.03	13.59	2.1%
111	9.1%	95.3%	90	38.2%		1,626.10	6.50	1,660.07	33.97	2.1%
22	1.8%	97.0%	143	38.2%		2,592.76	6.48	2,647.11	54.34	2.1%
9	0.7%	97.7%	197	38.2%		3,559.43	6.47	3,634.15	74.72	2.1%
6	0.5%	98.3%	251	38.2%		4,526.09	6.47	4,621.19	95.10	2.1%
3	0.2%	98.7%	359	38.2%		6,459.41	6.46	6,595.27	135.86	2.1%
2	0.2%	99.0%	466	38.2%		8,392.73	6.46	8,569.35	176.62	2.1%
2	0.1%	99.2%	520	38.2%		9,359.40	6.45	9,556.39	197.00	2.1%
1	0.0%	99.2%	574	38.2%		10,326.06	6.45	10,543.43	217.38	2.1%
1	0.0%	99.3%	628	38.2%		11,292.72	6.45	11,530.48	237.76	2.1%
1	0.0%	99.3%	681	38.2%		12,259.38	6.45	12,517.52	258.13	2.1%
1	0.0%	99.3%	735	38.2%		13,226.04	6.45	13,504.56	278.51	2.1%
1	0.0%	99.4%	789	38.2%		14,192.71	6.45	14,491.60	298.89	2.1%
7	0.6%	100.0%	897	38.2%		16,126.03	6.86	16,465.68	339.65	2.1%
	270 227 89 70 40 30 23 16 11 111 22 9 6 3 2 1 1 1 1 1 1	Customers Total 270 22.0% 227 18.6% 89 7.3% 70 5.7% 40 3.3% 30 2.5% 23 1.9% 16 1.3% 11 0.9% 111 9.1% 22 1.8% 9 0.7% 6 0.5% 3 0.2% 2 0.2% 2 0.1% 1 0.0% 1 0.0% 1 0.0% 1 0.0% 1 0.0% 1 0.0% 1 0.0%	Customers Total % of Total 270 22.0% 22.0% 227 18.6% 40.6% 89 7.3% 47.8% 70 5.7% 53.5% 40 3.3% 65.1% 30 2.5% 70.6% 23 1.9% 74.6% 16 1.3% 80.7% 11 0.9% 86.2% 111 9.1% 95.3% 22 1.8% 97.0% 9 0.7% 97.7% 6 0.5% 98.3% 3 0.2% 98.7% 2 0.2% 99.0% 2 0.1% 99.2% 1 0.0% 99.3% 1 0.0% 99.3% 1 0.0% 99.3% 1 0.0% 99.3% 1 0.0% 99.3% 1 0.0% 99.3% 1 0.0% 99.3% 1	Customers Total % of Total per Month 270 22.0% 22.0% 0 227 18.6% 40.6% 2 89 7.3% 47.8% 4 70 5.7% 53.5% 5 40 3.3% 65.1% 11 30 2.5% 70.6% 14 23 1.9% 74.6% 18 16 1.3% 80.7% 25 11 0.9% 86.2% 36 111 9.1% 95.3% 90 22 1.8% 97.0% 143 9 0.7% 97.7% 197 6 0.5% 98.3% 251 3 0.2% 98.7% 359 2 0.2% 99.0% 466 2 0.1% 99.2% 520 1 0.0% 99.3% 628 1 0.0% 99.3% 681 1 0.0% </td <td>Customers Total % of Total per Month Factor 270 22.0% 22.0% 0 38.2% 227 18.6% 40.6% 2 38.2% 89 7.3% 47.8% 4 38.2% 70 5.7% 53.5% 5 38.2% 40 3.3% 65.1% 11 38.2% 30 2.5% 70.6% 14 38.2% 23 1.9% 74.6% 18 38.2% 16 1.3% 80.7% 25 38.2% 11 0.9% 86.2% 36 38.2% 11 9.1% 95.3% 90 38.2% 22 1.8% 97.0% 143 38.2% 9 0.7% 97.7% 197 38.2% 6 0.5% 98.3% 251 38.2% 2 0.2% 99.0% 466 38.2% 2 0.1% 99.2% 520 38.2%</td> <td>Customers Total % of Total per Month Factor 270 22.0% 22.0% 0 38.2% 227 18.6% 40.6% 2 38.2% 89 7.3% 47.8% 4 38.2% 70 5.7% 53.5% 5 38.2% Avg. 40 3.3% 65.1% 11 38.2% 30 2.5% 70.6% 14 38.2% 23 1.9% 74.6% 18 38.2% 16 1.3% 80.7% 25 38.2% 11 0.9% 86.2% 36 38.2% 111 9.1% 95.3% 90 38.2% 22 1.8% 97.0% 143 38.2% 23 1.9% 97.7% 197 38.2% 24 1.8% 97.0% 143 38.2% 25 1.38.2% 251 38.2% 2 0.2% 98.7% 359 38.2%</td> <td>No. of Customers % of Total Cum. kW Load Factor Current Rates 270 22.0% 22.0% 0 38.2% \$15.00 227 18.6% 40.6% 2 38.2% 47.22 89 7.3% 47.8% 4 38.2% 79.44 70 5.7% 53.5% 5 38.2% Avg. 111.67 40 3.3% 65.1% 11 38.2% 208.33 30 2.5% 70.6% 14 38.2% 272.78 23 1.9% 74.6% 18 38.2% 272.78 23 1.9% 74.6% 18 38.2% 337.22 16 1.3% 80.7% 25 38.2% 659.44 11 0.9% 86.2% 36 38.2% 659.44 111 9.1% 95.3% 90 38.2% 2,592.76 9 0.7% 97.7% 197 38.2% 2,592.76 9 0</td> <td>No. of Customers % of Total Cum. per Month kW Load Factor Current Rates Cents per kWh 270 22.0% 22.0% 0 38.2% \$15.00 227 18.6% 40.6% 2 38.2% 47.22 9.44 89 7.3% 47.8% 4 38.2% 79.44 7.94 70 5.7% 53.5% 5 38.2% Avg. 111.67 7.44 40 3.3% 65.1% 11 38.2% 2272.78 6.82 23 1.9% 74.6% 18 38.2% 272.78 6.82 23 1.9% 74.6% 18 38.2% 272.78 6.82 23 1.9% 74.6% 18 38.2% 337.22 6.74 16 1.3% 80.7% 25 38.2% 466.11 6.66 11 0.9% 86.2% 36 38.2% 2,592.76 6.48 9 0.7% 97.7% 197<</td> <td>No. of Customers % of Total Cum. per Month kW Load Factor Current Rates Cents per kWh TY 2017 Proposed 270 22.0% 22.0% 0 38.2% \$15.00 \$15.00 227 18.6% 40.6% 2 38.2% 47.22 9.44 47.90 89 7.3% 47.8% 4 38.2% Avg. 111.67 7.44 113.70 40 3.3% 65.1% 11 38.2% 208.33 6.94 212.41 30 2.5% 70.6% 14 38.2% 272.78 6.82 278.21 23 1.9% 74.6% 18 38.2% 272.78 6.82 278.21 23 1.9% 74.6% 18 38.2% 337.22 6.74 344.01 16 1.3% 80.7% 25 38.2% 466.11 6.66 475.62 11 0.9% 86.2% 36 38.2% 659.44 6.59 673.03</td> <td>No. of Customers % of Total cum. per Month kW Load Factor Current Rates Cents per kWh TY 2017 per kWh Amount Change 270 22.0% 22.0% 0 38.2% \$15.00 \$15.00 \$0.00 227 18.6% 40.6% 2 38.2% 47.22 9.44 47.90 0.68 89 7.3% 47.8% 4 38.2% Avg. 111.67 7.44 113.70 2.04 40 3.3% 65.1% 11 38.2% 208.33 6.94 212.41 4.08 30 2.5% 70.6% 14 38.2% 272.78 6.82 278.21 5.43 23 1.9% 74.6% 18 38.2% 337.22 6.74 344.01 6.79 16 1.3% 80.7% 25 38.2% 466.11 6.66 475.62 9.51 11 0.9% 86.2% 36 38.2% 659.44 6.59 673.03 13.59</td>	Customers Total % of Total per Month Factor 270 22.0% 22.0% 0 38.2% 227 18.6% 40.6% 2 38.2% 89 7.3% 47.8% 4 38.2% 70 5.7% 53.5% 5 38.2% 40 3.3% 65.1% 11 38.2% 30 2.5% 70.6% 14 38.2% 23 1.9% 74.6% 18 38.2% 16 1.3% 80.7% 25 38.2% 11 0.9% 86.2% 36 38.2% 11 9.1% 95.3% 90 38.2% 22 1.8% 97.0% 143 38.2% 9 0.7% 97.7% 197 38.2% 6 0.5% 98.3% 251 38.2% 2 0.2% 99.0% 466 38.2% 2 0.1% 99.2% 520 38.2%	Customers Total % of Total per Month Factor 270 22.0% 22.0% 0 38.2% 227 18.6% 40.6% 2 38.2% 89 7.3% 47.8% 4 38.2% 70 5.7% 53.5% 5 38.2% Avg. 40 3.3% 65.1% 11 38.2% 30 2.5% 70.6% 14 38.2% 23 1.9% 74.6% 18 38.2% 16 1.3% 80.7% 25 38.2% 11 0.9% 86.2% 36 38.2% 111 9.1% 95.3% 90 38.2% 22 1.8% 97.0% 143 38.2% 23 1.9% 97.7% 197 38.2% 24 1.8% 97.0% 143 38.2% 25 1.38.2% 251 38.2% 2 0.2% 98.7% 359 38.2%	No. of Customers % of Total Cum. kW Load Factor Current Rates 270 22.0% 22.0% 0 38.2% \$15.00 227 18.6% 40.6% 2 38.2% 47.22 89 7.3% 47.8% 4 38.2% 79.44 70 5.7% 53.5% 5 38.2% Avg. 111.67 40 3.3% 65.1% 11 38.2% 208.33 30 2.5% 70.6% 14 38.2% 272.78 23 1.9% 74.6% 18 38.2% 272.78 23 1.9% 74.6% 18 38.2% 337.22 16 1.3% 80.7% 25 38.2% 659.44 11 0.9% 86.2% 36 38.2% 659.44 111 9.1% 95.3% 90 38.2% 2,592.76 9 0.7% 97.7% 197 38.2% 2,592.76 9 0	No. of Customers % of Total Cum. per Month kW Load Factor Current Rates Cents per kWh 270 22.0% 22.0% 0 38.2% \$15.00 227 18.6% 40.6% 2 38.2% 47.22 9.44 89 7.3% 47.8% 4 38.2% 79.44 7.94 70 5.7% 53.5% 5 38.2% Avg. 111.67 7.44 40 3.3% 65.1% 11 38.2% 2272.78 6.82 23 1.9% 74.6% 18 38.2% 272.78 6.82 23 1.9% 74.6% 18 38.2% 272.78 6.82 23 1.9% 74.6% 18 38.2% 337.22 6.74 16 1.3% 80.7% 25 38.2% 466.11 6.66 11 0.9% 86.2% 36 38.2% 2,592.76 6.48 9 0.7% 97.7% 197<	No. of Customers % of Total Cum. per Month kW Load Factor Current Rates Cents per kWh TY 2017 Proposed 270 22.0% 22.0% 0 38.2% \$15.00 \$15.00 227 18.6% 40.6% 2 38.2% 47.22 9.44 47.90 89 7.3% 47.8% 4 38.2% Avg. 111.67 7.44 113.70 40 3.3% 65.1% 11 38.2% 208.33 6.94 212.41 30 2.5% 70.6% 14 38.2% 272.78 6.82 278.21 23 1.9% 74.6% 18 38.2% 272.78 6.82 278.21 23 1.9% 74.6% 18 38.2% 337.22 6.74 344.01 16 1.3% 80.7% 25 38.2% 466.11 6.66 475.62 11 0.9% 86.2% 36 38.2% 659.44 6.59 673.03	No. of Customers % of Total cum. per Month kW Load Factor Current Rates Cents per kWh TY 2017 per kWh Amount Change 270 22.0% 22.0% 0 38.2% \$15.00 \$15.00 \$0.00 227 18.6% 40.6% 2 38.2% 47.22 9.44 47.90 0.68 89 7.3% 47.8% 4 38.2% Avg. 111.67 7.44 113.70 2.04 40 3.3% 65.1% 11 38.2% 208.33 6.94 212.41 4.08 30 2.5% 70.6% 14 38.2% 272.78 6.82 278.21 5.43 23 1.9% 74.6% 18 38.2% 337.22 6.74 344.01 6.79 16 1.3% 80.7% 25 38.2% 466.11 6.66 475.62 9.51 11 0.9% 86.2% 36 38.2% 659.44 6.59 673.03 13.59

Proposed Frost Control Bill Impact

Schedule No. 7 - Frost Control

				Annual		Bill at		Bill at		
Annual	No. of	% of	Cum.	kW per		Current	Cents	TY 2017	Amount	Percent
kWh	Customers	Total	% of Total	Customer		Rates	per kWh	Proposed	Change	Change
0	24	15.9%	15.9%	0.0		\$120.00		\$122.00	\$2.00	1.7%
100	27	17.9%	33.8%	20.8		217.58	217.58	221.71	4.12	1.9%
200	15	9.9%	43.7%	64.9		419.79	209.89	428.36	8.57	2.0%
300	7	4.6%	48.3%	107.1		613.49	204.50	626.32	12.83	2.1%
400	13	8.6%	57.0%	99.0	Avg.	581.11	145.28	593.17	12.07	2.1%
500	10	6.6%	63.6%	71.2		460.00	92.00	469.33	9.33	2.0%
750	11	7.3%	70.9%	82.3		519.33	69.24	529.87	10.53	2.0%
1,000	9	6.0%	76.8%	100.2		609.58	60.96	622.01	12.43	2.0%
2,000	7	4.6%	92.7%	72.3		522.84	26.14	532.88	10.05	1.9%
3,000	3	2.0%	95.4%	124.2		795.50	26.52	811.15	15.65	2.0%
4,000	1	0.7%	97.4%	78.0		626.18	15.65	637.62	11.44	1.8%
5,000	1	0.7%	98.0%	159.6		1,032.18	20.64	1,052.18	20.00	1.9%
6,000	1	0.7%	98.7%	169.4		1,115.52	18.59	1,136.92	21.40	1.9%
7,000	0	0.0%	99.3%	0.0		391.88	5.60	396.75	4.87	1.2%
8,000	0	0.0%	99.3%	0.0		430.72	5.38	436.00	5.28	1.2%
9,000	0	0.0%	100.0%	0.0		469.56	5.22	475.25	5.69	1.2%
>10,001	0	0.0%	100.0%	0.0		508.44	5.08	514.54	6.10	1.2%



Questions?