Luther College Billing Data - Current Rate Seasons

Year	Month	Energy (kWh)	Summer Energy (kWh)	Winter Energy (kWh)	Actual Demand (kW)	Billed Demand (kW)	Summer Demand (%)	Winter Demand (%)	Reactive Demand Credit (kVAR)	Load Factor (%)	
2018	June	1,254,850	883,219	371,631	2,600.64	2,600.64	69.70%	30.30%	(1,150.80)	66%	
2018	July	1,065,370	1,065,370	-	2,545.20	2,545.20	100.00%	-	(1,101.24)	57%	
2018	August	1,364,121	1,364,121	-	2,807.28	2,807.28	100.00%	-	(1,221.78)	67%	
2018	September	1,068,652	369,342	699,310	2,840.88	2,840.88	33.33%	66.67%	(1,212.96)	52%	
2018	October	1,019,102	-	1,019,102	2,231.04	2,231.04	-	100.00%	(962.64)	63%	
2018	November	919,380	-	919,380	1,797.60	1,950.48	-	100.00%	(769.44)	70%	
2018	December	781,496	-	781,496	1,816.08	1,950.48	-	100.00%	(715.26)	59%	
2019	January	990,619	-	990,619	1,711.92	1,950.48	-	100.00%	(815.64)	79%	
2019	February	890,002	-	890,002	1,745.52	1,950.48	-	100.00%	(835.80)	70%	
2019	March	699,399	-	699,399	1,678.00	1,950.48	-	100.00%	(646.38)	57%	
2019	April	894,101	-	894,101	1,764.00	1,950.48	-	100.00%	(674.10)	69%	
2019	May	893,912	-	893,912	2,175.60	2,175.60	-	100.00%	(911.82)	56%	
										64%	Annual avg

Luther College Billing Data - Proposed Rate Seasons

Year	Month	Energy (kWh)	Summer Energy (kWh)	Winter Energy (kWh)	Actual Demand (kW)	Billed Demand (kW)	Summer Demand (%)	Winter Demand (%)	Reactive Demand Credit (kVAR)	Load Factor (%)	
2018	June	1,254,850	1,254,850	-	2,600.64	2,600.64	100.00%	-	(1,150.80)	66%	
2018	July	1,065,370	1,065,370	-	2,545.20	2,545.20	100.00%	-	(1,101.24)	57%	
2018	August	1,364,121	1,364,121	-	2,807.28	2,807.28	100.00%	-	(1,221.78)	67%	
2018	September	1,068,652	369,342	699,310	2,840.88	2,840.88	33.33%	66.67%	(1,212.96)	52%	
2018	October	1,019,102	-	1,019,102	2,231.04	2,231.04	-	100.00%	(962.64)	63%	
2018	November	919,380	-	919,380	1,797.60	1,950.48	-	100.00%	(769.44)	70%	
2018	December	781,496	-	781,496	1,816.08	1,950.48	-	100.00%	(715.26)	59%	
2019	January	990,619	-	990,619	1,711.92	1,950.48	-	100.00%	(815.64)	79%	
2019	February	890,002	-	890,002	1,745.52	1,950.48	-	100.00%	(835.80)	70%	
2019	March	699,399	-	699,399	1,678.00	1,950.48	-	100.00%	(646.38)	57%	
2019	April	894,101	-	894,101	1,764.00	1,950.48	-	100.00%	(674.10)	69%	
2019	May	893,912	446,956	446,956	2,175.60	2,175.60	50.00%	50.00%	(911.82)	56%	
										64%	Annual avg

Current Rate 800 - Rates

Month	Summer Energy ($/kWh)	Winter Energy ($/kWh)	Summer Demand Step 1 ($/kW)	Summer Demand Step 2 ($/kW)	Summer Demand Step 3 ($/kW)	Winter Demand Step 1 ($/kW)	Winter Demand Step 2 ($/kW)	Winter Demand Step 3 ($/kW)	Reactive Demand ($/kVAR)	Reg Trans Service ($/kW)	Energy Cost ($/kWh)	Energy Effic ($/kWh)	Primary Discount (%)
June	0.02192	0.01188	20.20	20.03	19.76	10.61	9.68	8.87	1.82	7.03	0.02548	-	4.42%
July	0.02192	0.01188	20.20	20.03	19.76	10.61	9.68	8.87	1.82	7.03	0.02678	-	4.42%
August	0.02192	0.01188	20.20	20.03	19.76	10.61	9.68	8.87	1.82	7.03	0.02458	-	4.42%
September	0.02192	0.01188	20.20	20.03	19.76	10.61	9.68	8.87	1.82	7.03	0.02438	-	4.42%
October	0.02192	0.01188	20.20	20.03	19.76	10.61	9.68	8.87	1.82	7.03	0.02358	-	4.42%
November	0.02192	0.01188	20.20	20.03	19.76	10.61	9.68	8.87	1.82	7.03	0.02188	-	4.42%
December	0.02192	0.01188	20.20	20.03	19.76	10.61	9.68	8.87	1.82	7.49	0.02548	0.003	4.42%
January	0.02192	0.01188	20.20	20.03	19.76	10.61	9.68	8.87	1.82	9.48	0.02608	0.003	4.42%
February	0.02192	0.01188	20.20	20.03	19.76	10.61	9.68	8.87	1.82	9.48	0.02508	0.003	4.42%
March	0.02192	0.01188	20.20	20.03	19.76	10.61	9.68	8.87	1.82	9.48	0.01918	0.003	4.42%
April	0.02192	0.01188	20.20	20.03	19.76	10.61	9.68	8.87	1.82	9.48	0.01683	0.003	4.42%
May	0.02192	0.01188	20.20	20.03	19.76	10.61	9.68	8.87	1.82	9.48	0.01853	0.003	4.42%

Luther Monthly Bill - Current Rate 800

Month	Summer Energy	Winter Energy	Summer Demand Step 1	Summer Demand Step 2	Summer Demand Step 3	Winter Demand Step 1	Winter Demand Step 2	Winter Demand Step 3	Reactive Demand	Reg Trans Service	Energy Cost	Energy Effic	Primary Discount	Total
June	$ 19,360	$ 4,415	$ 2,816	$ 11,168	$ 22,044	$ 643	$ 2,347	$ 4,302	$ (2,094)	$ 18,282	$ 31,974	$ -	$ (2,723)	$ 112,534
July	23,353	-	4,040	16,024	30,533	-	-	-	(2,004)	17,893	28,531	-	(3,027)	115,342
August	29,902	-	4,040	16,024	35,712	-	-	-	(2,224)	19,735	33,530	-	(3,338)	133,381
September	8,096	8,308	1,347	5,341	12,125	1,415	5,163	10,886	(2,208)	19,971	26,054	-	(2,486)	94,011
October	-	12,107	-	-	-	2,122	7,744	10,919	(1,752)	15,684	24,030	-	(1,612)	69,243
November	-	10,922	-	-	-	2,122	7,744	8,431	(1,400)	13,712	20,116	-	(1,415)	60,232
December	-	9,284	-	-	-	2,122	7,744	8,431	(1,302)	14,608	19,913	440	(1,454)	59,785
January	-	11,769	-	-	-	2,122	7,744	8,431	(1,484)	18,491	25,835	2,972	(1,626)	74,253
February	-	10,573	-	-	-	2,122	7,744	8,431	(1,521)	18,491	22,321	2,670	(1,626)	69,205
March	-	8,309	-	-	-	2,122	7,744	8,431	(1,176)	18,491	13,414	2,098	(1,626)	57,806
April	-	10,622	-	-	-	2,122	7,744	8,431	(1,227)	18,491	15,048	2,682	(1,626)	62,286
May	-	10,620	-	-	-	2,122	7,744	10,428	(1,660)	20,625	16,564	2,783	(1,809)	67,417
														$ 975,495

Current Rate 440 - Rates

Month	Summer Energy ($/kWh)	Winter Energy ($/kWh)	Summer Demand Step 1 ($/kW)	Summer Demand Step 2 ($/kW)	Summer Demand Step 3 ($/kW)	Winter Demand Step 1 ($/kW)	Winter Demand Step 2 ($/kW)	Winter Demand Step 3 ($/kW)	Reactive Demand ($/kVAR)	Reg Trans Service ($/kW)	Energy Cost ($/kWh)	Energy Effic ($/kWh)	Primary Discount (%)
June	0.02301	0.01253	20.03	19.86	19.60	10.54	9.61	8.81	1.82	7.03	0.02548	-	4.42%
July	0.02301	0.01253	20.03	19.86	19.60	10.54	9.61	8.81	1.82	7.03	0.02678	-	4.42%
August	0.02301	0.01253	20.03	19.86	19.60	10.54	9.61	8.81	1.82	7.03	0.02458	-	4.42%
September	0.02301	0.01253	20.03	19.86	19.60	10.54	9.61	8.81	1.82	7.03	0.02438	-	4.42%
October	0.02301	0.01253	20.03	19.86	19.60	10.54	9.61	8.81	1.82	7.03	0.02358	-	4.42%
November	0.02301	0.01253	20.03	19.86	19.60	10.54	9.61	8.81	1.82	7.03	0.02188	-	4.42%
December	0.02301	0.01253	20.03	19.86	19.60	10.54	9.61	8.81	1.82	7.49	0.02548	0.003	4.42%
January	0.02301	0.01253	20.03	19.86	19.60	10.54	9.61	8.81	1.82	9.48	0.02608	0.003	4.42%
February	0.02301	0.01253	20.03	19.86	19.60	10.54	9.61	8.81	1.82	9.48	0.02508	0.003	4.42%
March	0.02301	0.01253	20.03	19.86	19.60	10.54	9.61	8.81	1.82	9.48	0.01918	0.003	4.42%
April	0.02301	0.01253	20.03	19.86	19.60	10.54	9.61	8.81	1.82	9.48	0.01683	0.003	4.42%
May	0.02301	0.01253	20.03	19.86	19.60	10.54	9.61	8.81	1.82	9.48	0.01853	0.003	4.42%

Luther Monthly Bill - Current Rate 440

Month	Summer Energy	Winter Energy	Summer Demand Step 1	Summer Demand Step 2	Summer Demand Step 3	Winter Demand Step 1	Winter Demand Step 2	Winter Demand Step 3	Reactive Demand	Reg Trans Service	Energy Cost	Energy Effic	Primary Discount	Total
June	$ 20,323	$ 4,657	$ 2,792	$ 11,073	$ 21,866	$ 639	$ 2,330	$ 4,273	$ (2,094)	$ 18,282	$ 31,974	$ -	$ (2,707)	$ 113,406
July	24,514	-	4,006	15,888	30,286	-	-	-	(2,004)	17,893	28,531	-	(3,009)	116,104
August	31,388	-	4,006	15,888	35,423	-	-	-	(2,224)	19,735	33,530	-	(3,317)	134,429
September	8,499	8,762	1,335	5,296	12,027	1,405	5,125	10,812	(2,208)	19,971	26,054	-	(2,474)	94,606
October	-	12,769	-	-	-	2,108	7,688	10,845	(1,752)	15,684	24,030	-	(1,606)	69,768
November	-	11,520	-	-	-	2,108	7,688	8,374	(1,400)	13,712	20,116	-	(1,409)	60,708
December	-	9,792	-	-	-	2,108	7,688	8,374	(1,302)	14,608	19,913	440	(1,449)	60,171
January	-	12,412	-	-	-	2,108	7,688	8,374	(1,484)	18,491	25,835	2,972	(1,620)	74,775
February	-	11,152	-	-	-	2,108	7,688	8,374	(1,521)	18,491	22,321	2,670	(1,620)	69,662
March	-	8,763	-	-	-	2,108	7,688	8,374	(1,176)	18,491	13,414	2,098	(1,620)	58,140
April	-	11,203	-	-	-	2,108	7,688	8,374	(1,227)	18,491	15,048	2,682	(1,620)	62,746
May	-	11,201	-	-	-	2,108	7,688	10,357	(1,660)	20,625	16,564	2,783	(1,802)	67,863
														$ 982,379

Proposed Rate 800 - Rates

Month	Summer Energy ($/kWh)	Winter Energy ($/kWh)	Summer Demand Step 1 ($/kW)	Summer Demand Step 2 ($/kW)	Summer Demand Step 3 ($/kW)	Winter Demand Step 1 ($/kW)	Winter Demand Step 2 ($/kW)	Winter Demand Step 3 ($/kW)	Reactive Demand ($/kVAR)	Reg Trans Service ($/kW)	Energy Cost ($/kWh)	Energy Effic ($/kWh)	Primary Discount (%)
June	0.02861	0.01669	24.49	24.29	23.96	12.86	11.74	10.73	1.82	7.03	0.02548	-	4.42%
July	0.02861	0.01669	24.49	24.29	23.96	12.86	11.74	10.73	1.82	7.03	0.02678	-	4.42%
August	0.02861	0.01669	24.49	24.29	23.96	12.86	11.74	10.73	1.82	7.03	0.02458	-	4.42%
September	0.02861	0.01669	24.49	24.29	23.96	12.86	11.74	10.73	1.82	7.03	0.02438	-	4.42%
October	0.02861	0.01669	24.49	24.29	23.96	12.86	11.74	10.73	1.82	7.03	0.02358	-	4.42%
November	0.02861	0.01669	24.49	24.29	23.96	12.86	11.74	10.73	1.82	7.03	0.02188	-	4.42%
December	0.02861	0.01669	24.49	24.29	23.96	12.86	11.74	10.73	1.82	7.49	0.02548	0.003	4.42%
January	0.02861	0.01669	24.49	24.29	23.96	12.86	11.74	10.73	1.82	9.48	0.02608	0.003	4.42%
February	0.02861	0.01669	24.49	24.29	23.96	12.86	11.74	10.73	1.82	9.48	0.02508	0.003	4.42%
March	0.02861	0.01669	24.49	24.29	23.96	12.86	11.74	10.73	1.82	9.48	0.01918	0.003	4.42%
April	0.02861	0.01669	24.49	24.29	23.96	12.86	11.74	10.73	1.82	9.48	0.01683	0.003	4.42%
May	0.02861	0.01669	24.49	24.29	23.96	12.86	11.74	10.73	1.82	9.48	0.01853	0.003	4.42%

Luther Monthly Bill - Proposed Rate 800

Month	Summer Energy	Winter Energy	Summer Demand Step 1	Summer Demand Step 2	Summer Demand Step 3	Winter Demand Step 1	Winter Demand Step 2	Winter Demand Step 3	Reactive Demand	Reg Trans Service	Energy Cost	Energy Effic	Primary Discount	Total
June	$ 35,901	$ -	$ 4,898	$ 19,432	$ 38,351	$ -	$ -	$ -	$ (2,094)	$ 18,282	$ 31,974	$ -	$ (3,579)	$ 143,166
July	30,480	-	4,898	19,432	37,023	-	-	-	(2,004)	17,893	28,531	-	(3,503)	132,750
August	39,028	-	4,898	19,432	43,302	-	-	-	(2,224)	19,735	33,530	-	(3,862)	153,840
September	10,567	11,671	1,633	6,477	14,702	1,715	6,261	13,168	(2,208)	19,971	26,054	-	(2,826)	107,187
October	-	17,009	-	-	-	2,572	9,392	13,209	(1,752)	15,684	24,030	-	(1,806)	78,339
November	-	15,344	-	-	-	2,572	9,392	10,199	(1,400)	13,712	20,116	-	(1,586)	68,349
December	-	13,043	-	-	-	2,572	9,392	10,199	(1,302)	14,608	19,913	440	(1,625)	67,239
January	-	16,533	-	-	-	2,572	9,392	10,199	(1,484)	18,491	25,835	2,972	(1,797)	82,712
February	-	14,854	-	-	-	2,572	9,392	10,199	(1,521)	18,491	22,321	2,670	(1,797)	77,181
March	-	11,673	-	-	-	2,572	9,392	10,199	(1,176)	18,491	13,414	2,098	(1,797)	64,866
April	-	14,923	-	-	-	2,572	9,392	10,199	(1,227)	18,491	15,048	2,682	(1,797)	70,282
May	12,787	7,460	2,449	9,716	14,084	1,286	4,696	6,307	(1,660)	20,625	16,564	2,783	(2,615)	94,482
														$ 1,140,391

Proposed Rate 440 - Rates

Month	Summer Energy ($/kWh)	Winter Energy ($/kWh)	Summer Demand Step 1 ($/kW)	Summer Demand Step 2 ($/kW)	Summer Demand Step 3 ($/kW)	Winter Demand Step 1 ($/kW)	Winter Demand Step 2 ($/kW)	Winter Demand Step 3 ($/kW)	Reactive Demand ($/kVAR)	Reg Trans Service ($/kW)	Energy Cost ($/kWh)	Energy Effic ($/kWh)	Primary Discount (%)
June	0.01971	0.01436	21.29	20.59	19.78	14.52	11.41	10.96	1.82	7.03	0.02548	-	4.42%
July	0.01971	0.01436	21.29	20.59	19.78	14.52	11.41	10.96	1.82	7.03	0.02678	-	4.42%
August	0.01971	0.01436	21.29	20.59	19.78	14.52	11.41	10.96	1.82	7.03	0.02458	-	4.42%
September	0.01971	0.01436	21.29	20.59	19.78	14.52	11.41	10.96	1.82	7.03	0.02438	-	4.42%
October	0.01971	0.01436	21.29	20.59	19.78	14.52	11.41	10.96	1.82	7.03	0.02358	-	4.42%
November	0.01971	0.01436	21.29	20.59	19.78	14.52	11.41	10.96	1.82	7.03	0.02188	-	4.42%
December	0.01971	0.01436	21.29	20.59	19.78	14.52	11.41	10.96	1.82	7.49	0.02548	0.003	4.42%
January	0.01971	0.01436	21.29	20.59	19.78	14.52	11.41	10.96	1.82	9.48	0.02608	0.003	4.42%
February	0.01971	0.01436	21.29	20.59	19.78	14.52	11.41	10.96	1.82	9.48	0.02508	0.003	4.42%
March	0.01971	0.01436	21.29	20.59	19.78	14.52	11.41	10.96	1.82	9.48	0.01918	0.003	4.42%
April	0.01971	0.01436	21.29	20.59	19.78	14.52	11.41	10.96	1.82	9.48	0.01683	0.003	4.42%
May	0.01971	0.01436	21.29	20.59	19.78	14.52	11.41	10.96	1.82	9.48	0.01853	0.003	4.42%

Luther Monthly Bill - Proposed Rate 440

Month	Summer Energy	Winter Energy	Summer Demand Step 1	Summer Demand Step 2	Summer Demand Step 3	Winter Demand Step 1	Winter Demand Step 2	Winter Demand Step 3	Reactive Demand	Reg Trans Service	Energy Cost	Energy Effic	Primary Discount	Total
June	$ 24,733	$ -	$ 4,258	$ 16,472	$ 31,661	$ -	$ -	$ -	$ (2,094)	$ 18,282	$ 31,974	$ -	$ (3,124)	$ 122,162
July	20,998	-	4,258	16,472	30,564	-	-	-	(2,004)	17,893	28,531	-	(3,058)	113,654
August	26,887	-	4,258	16,472	35,748	-	-	-	(2,224)	19,735	33,530	-	(3,369)	131,038
September	7,280	10,042	1,419	5,491	12,138	1,936	6,085	13,451	(2,208)	19,971	26,054	-	(2,674)	98,985
October	-	14,634	-	-	-	2,904	9,128	13,492	(1,752)	15,684	24,030	-	(1,821)	76,300
November	-	13,202	-	-	-	2,904	9,128	10,417	(1,400)	13,712	20,116	-	(1,598)	66,481
December	-	11,222	-	-	-	2,904	9,128	10,417	(1,302)	14,608	19,913	440	(1,638)	65,692
January	-	14,225	-	-	-	2,904	9,128	10,417	(1,484)	18,491	25,835	2,972	(1,810)	80,678
February	-	12,780	-	-	-	2,904	9,128	10,417	(1,521)	18,491	22,321	2,670	(1,810)	75,381
March	-	10,043	-	-	-	2,904	9,128	10,417	(1,176)	18,491	13,414	2,098	(1,810)	63,510
April	-	12,839	-	-	-	2,904	9,128	10,417	(1,227)	18,491	15,048	2,682	(1,810)	68,473
May	8,810	6,418	2,129	8,236	11,627	1,452	4,564	6,442	(1,660)	20,625	16,564	2,783	(2,434)	85,555
														$ 1,047,908