

## Light and Power Billing Determinants on Proposed Rate Design for the TY 2002

**Residential General Use**

Sheet No. 6 MO910

**Customer Charge**

Winter 10/1 to 5/31	Regular Use	259,570	\$	10.00	\$	2,595,700
Summer 6/1 to 9/30	Regular Use	129,999	\$	10.00	\$	1,299,990

**Energy charge**

Winter 10/1 to 5/31	First 0-600 kWh	117,129,082	\$	0.0600	\$	7,027,745
Winter 10/1 to 5/31	Excess Over 600 kWh	47,612,567	\$	0.0490	\$	2,333,016
Summer 6/1 to 9/30	First 0-600 kWh	66,550,991	\$	0.0600	\$	3,993,059
Summer 6/1 to 9/30	Next 600-1000 kWh	31,114,443	\$	0.0650	\$	2,022,439
Summer 6/1 to 9/30	Excess Over 1000 kWh	40,409,074	\$	0.0700	\$	2,828,635
<b>Total per Tariff Sheet</b>		<b>302,816,157</b>			<b>\$</b>	<b>22,100,584</b>

**Residential General Use-Multiple Occupancy Bldg.**

Sheet No. 6 MO911

**Customer Charge**

Winter 10/1 to 5/31	Regular Use	4,203	\$	10.00	\$	42,030
Summer 6/1 to 9/30	Regular Use	2,097	\$	10.00	\$	20,970

**Energy charge**

Winter 10/1 to 5/31	First 0-600 kWh	1,380,301	\$	0.0600	\$	82,818
Winter 10/1 to 5/31	Excess Over 600 kWh	57,731	\$	0.0490	\$	2,829
Summer 6/1 to 9/30	First 0-600 kWh	949,131	\$	0.0600	\$	56,948
Summer 6/1 to 9/30	Next 600-1000 kWh	98,890	\$	0.0650	\$	6,428
Summer 6/1 to 9/30	Excess Over 1000 kWh	30,471	\$	0.0700	\$	2,133
<b>Total per Tariff Sheet</b>		<b>2,516,524</b>			<b>\$</b>	<b>214,156</b>

**Residential Service - with Electric Space Heating**

Sheet No. 8 MO920

**Customer Charge**

Winter 10/1 to 5/31	Regular Use	107,880	\$	15.00	\$	1,618,200
Summer 6/1 to 9/30	Regular Use	54,127	\$	15.00	\$	811,905

**Energy charge**

Winter 10/1 to 5/31	First 0-600 kWh	60,342,578	\$	0.0600	\$	3,620,555
Winter 10/1 to 5/31	Excess Over 600 kWh	32,798,907	\$	0.0380	\$	1,246,358
Winter 10/1 to 5/31	Excess Over 1000 kWh	109,984,293	\$	0.0220	\$	2,419,654
Summer 6/1 to 9/30	First 0-600 kWh	29,410,106	\$	0.0600	\$	1,764,606
Summer 6/1 to 9/30	Excess Over 600 kWh	15,044,445	\$	0.0650	\$	977,889
Summer 6/1 to 9/30	Excess Over 1000 kWh	28,488,506	\$	0.0700	\$	1,994,195
<b>Total per Tariff Sheet</b>		<b>276,068,835</b>			<b>\$</b>	<b>14,453,363</b>

## Light and Power Billing Determinants on Proposed Rate Design for the TY 2002

**Residential General Use with Electric Space Heating-Multiple Occupancy Bldg.**

Sheet No. 6 MO921

**Customer Charge**

Winter 10/1 to 5/31	Regular Use	5,666	\$	15.00	\$	84,990
Summer 6/1 to 9/30	Regular Use	2,749	\$	15.00	\$	41,235

**Energy charge**

Winter 10/1 to 5/31	First 0-600 kWh	3,160,043	\$	0.0600	\$	189,603
Winter 10/1 to 5/31	Excess Over 600 kWh	1,317,493	\$	0.0380	\$	50,065
Winter 10/1 to 5/31	Excess Over 1000 kWh	911,258	\$	0.0220	\$	20,048
Summer 6/1 to 9/30	First 0-600 kWh	1,511,637	\$	0.0600	\$	90,698
Summer 6/1 to 9/30	Excess Over 600 kWh	275,179	\$	0.0650	\$	17,887
Summer 6/1 to 9/30	Excess Over 1000 kWh	38,263	\$	0.0700	\$	2,678
<b>Total per Tariff Sheet</b>		<b>7,213,873</b>			<b>\$</b>	<b>497,203</b>

**Residential Service - with Electric Water Heating**

Sheet No. 10 MO913

**Customer Charge**

Winter 10/1 to 5/31	Regular Use	55,808	\$	10.00	\$	558,080
Summer 6/1 to 9/30	Regular Use	27,932	\$	10.00	\$	279,320

**Energy charge**

Winter 10/1 to 5/31	First 0-600 kWh	28,807,473	\$	0.0600	\$	1,728,448
Winter 10/1 to 5/31	Excess Over 600 kWh	23,818,585	\$	0.0490	\$	1,167,111
Summer 6/1 to 9/30	First 0-600 kWh	14,946,697	\$	0.0600	\$	896,802
Summer 6/1 to 9/30	Next 600-1000 kWh	7,499,531	\$	0.0650	\$	487,470
Summer 6/1 to 9/30	Excess Over 1000 kWh	10,614,992	\$	0.0700	\$	743,049
<b>Total per Tariff Sheet</b>		<b>85,687,278</b>			<b>\$</b>	<b>5,860,280</b>

**Residential Service - with Electric Water Heating - Multi Occupancy Bldg.**

Sheet No. 10 MO914

**Customer Charge**

Winter 10/1 to 5/31	Regular Use	87	\$	10.00	\$	870
Summer 6/1 to 9/30	Regular Use	43	\$	10.00	\$	430

**Energy charge**

Winter 10/1 to 5/31	First 0-600 kWh	48,455	\$	0.0600	\$	2,907
Winter 10/1 to 5/31	Excess Over 600 kWh	10,384	\$	0.0490	\$	509
Summer 6/1 to 9/30	First 0-600 kWh	25,235	\$	0.0600	\$	1,514
Summer 6/1 to 9/30	Next 600-1000 kWh	10,381	\$	0.0650	\$	675

Light and Power Billing Determinants on Proposed Rate Design for the TY 2002

Summer 6/1 to 9/30	Excess Over 1000 kWh	3,086	\$	0.0700	\$	216
<b>Total per Tariff Sheet</b>		<u>97,541</u>				<u>\$ 7,121</u>

**Residential Service - Other Use**  
**Sheet No. 11.2** MO915

**Customer Charge**

Winter 10/1 to 5/31	Regular Use	12,614		\$10.00	\$	126,140
Summer 6/1 to 9/30	Regular Use	6,345		\$10.00	\$	63,450

**Energy charge**

Winter 10/1 to 5/31	All kWh	3,165,259		\$0.0600	\$	189,916
Summer 6/1 to 9/30	All kWh	1,834,703		\$0.0700	\$	128,429
<b>Total per Tariff Sheet</b>		<u>4,999,962</u>				<u>\$ 507,935</u>

**Residential Service - Separate Meter -Space Heating/Water Heating**  
**Sheet No. 29** MO922

**Customer Charge**

Winter 10/1 to 5/31	Regular Use	736	\$	7.91	\$	5,822
Summer 6/1 to 9/30	Regular Use	369	\$	7.91	\$	2,919

**Energy charge**

Winter 10/1 to 5/31	All kWh	349,037		\$0.0220	\$	7,679
Summer 6/1 to 9/30	All kWh	119,495		\$0.0600	\$	7,170
<b>Total per Tariff Sheet</b>		<u>468,532</u>				<u>\$ 23,589</u>

**General Service - Limited Demand**  
**Sheet No. 12** NO930

**Customer Charge**

Winter 10/1 to 5/31	Regular Use	25,741	\$	13.84	\$	356,255
Summer 6/1 to 9/30	Regular Use	12,871	\$	13.84	\$	178,135

**Energy charge**

Winter 10/1 to 5/31	First 0-1000 kWh	9,767,886		\$0.0600	\$	586,073
Winter 10/1 to 5/31	Excess Over 1000 kWh	6,032,143		\$0.0530	\$	319,704
Summer 6/1 to 9/30	First 0-1000 kWh	4,892,643		\$0.0600	\$	293,559
Summer 6/1 to 9/30	Next 1000-5400 kWh	2,373,858		\$0.0650	\$	154,301
Summer 6/1 to 9/30	Excess Over 5400 kWh	430,378		\$0.0700	\$	30,126
<b>Total per Tariff Sheet</b>		<u>23,496,908</u>				<u>\$ 1,918,153</u>

## Light and Power Billing Determinants on Proposed Rate Design for the TY 2002

**General Service - General Use**

Sheet No. 13 MO931

**Customer Charge**

Winter 10/1 to 5/31	Regular Use	11,035	\$	38.42	\$	423,965
Summer 6/1 to 9/30	Regular Use	5,517	\$	38.42	\$	211,963

**Demand Charge**

Winter 10/1 to 5/31	All kW of Billing Demand	214,410	\$	2.26	\$	484,567
Summer 6/1 to 9/30	All kW of Billing Demand	80,552	\$	4.25	\$	342,346

**Energy charge**

Winter 10/1 to 5/31	First 180 kWh's per Actual kW	18,948,051	\$0.0360	\$	682,130
Winter 10/1 to 5/31	Excess kWh's	6,496,342	\$0.0280	\$	181,898
Summer 6/1 to 9/30	First 180 kWh's per Actual kW	11,971,697	\$0.0360	\$	430,981
Summer 6/1 to 9/30	Excess kWh's	5,409,298	\$0.0280	\$	151,460

**Total per Tariff Sheet**42,825,388\$ 2,909,309**General Service - Limited Demand with Electric Space Heating**

Sheet No. 14 MO932

**Service Charge for each bill**

Winter 10/1 to 5/31	Regular Use	2,306	\$	13.84	\$	31,915
Summer 6/1 to 9/30	Regular Use	1,153	\$	13.84	\$	15,958

**Energy charge**

Winter 10/1 to 5/31	First 0-1000 kWh	1,607,751	\$0.0600	\$	96,465
Winter 10/1 to 5/31	Excess Over 1000 kWh	1,414,301	\$0.0530	\$	74,958
Summer 6/1 to 9/30	First 0-1000 kWh	695,546	\$0.0600	\$	41,733
Summer 6/1 to 9/30	Next 1000-5400 kWh	513,405	\$0.0650	\$	33,371
Summer 6/1 to 9/30	Excess Over 5400 kWh	12,019	\$0.0700	\$	841

**Total per Tariff Sheet**4,243,022\$ 295,241**General Service - With Electric Space Heating**

Sheet No. 15 MO933

**Customer Charge**

Winter 10/1 to 5/31	Regular Use	4,854	\$	38.42	\$	186,491
Summer 6/1 to 9/30	Regular Use	2,427	\$	38.42	\$	93,245

**Demand Charge**

Winter 10/1 to 5/31	All kW of Billing Demand	92,062	\$	2.26	\$	208,060
Summer 6/1 to 9/30	All kW of Billing Demand	29,367	\$	4.25	\$	124,810

**Energy charge**

Winter 10/1 to 5/31	First 180 kWh's per Actual kW	9,938,155	\$0.0360	\$	357,774
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## Light and Power Billing Determinants on Proposed Rate Design for the TY 2002

Winter 10/1 to 5/31	Excess kWh's	3,788,984	\$0.0280	\$	106,092
Summer 6/1 to 9/30	First 180 kWh's per Actual kW	4,506,462	\$0.0360	\$	162,233
Summer 6/1 to 9/30	Excess kWh's	2,099,477	\$0.0280	\$	58,785
<b>Total per Tariff Sheet</b>		<b>20,333,078</b>			<b>\$ 1,297,489</b>

**General Service - School and Church Service**  
**Sheet No. 18** MO934

**Customer Charge**

Winter 10/1 to 5/31	Regular Use	2,532	\$ 13.84	\$	35,043
Summer 6/1 to 9/30	Regular Use	1,266	\$ 13.84	\$	17,521

**Energy charge**

Winter 10/1 to 5/31	First 0-1000 kWh	1,510,364	\$0.0600	\$	90,622
Winter 10/1 to 5/31	Excess Over 1000 kWh	1,395,988	\$0.0530	\$	73,987
Summer 6/1 to 9/30	First 0-1000 kWh	882,024	\$0.0600	\$	52,921
Summer 6/1 to 9/30	Next 1000-5400 kWh	1,029,679	\$0.0650	\$	66,929
Summer 6/1 to 9/30	Excess Over 5400 kWh	445,182	\$0.0700	\$	31,163
<b>Total per Tariff Sheet</b>		<b>5,263,237</b>			<b>\$ 368,187</b>

**Small General Service - Demand**  
**MO940 rate switchers** MO939

**Customer Charge**

Winter 10/1 to 5/31	Regular Use	5,814	\$ 38.42	\$	223,378
Summer 6/1 to 9/30	Regular Use	2,916	\$ 38.42	\$	112,021

**Demand Charge**

Winter 10/1 to 5/31	All kW of Billing Demand	268,102	\$ 2.26	\$	605,910
Summer 6/1 to 9/30	All kW of Billing Demand	143,336	\$ 4.25	\$	609,178

**Energy charge**

Winter 10/1 to 5/31	First 180 kWh's per Actual kW	39,054,260	\$0.0360	\$	1,405,953
Winter 10/1 to 5/31	Excess kWh's	25,494,650	\$0.0280	\$	713,850
Summer 6/1 to 9/30	First 180 kWh's per Actual kW	22,098,352	\$0.0360	\$	795,541
Summer 6/1 to 9/30	Excess kWh's	18,317,979	\$0.0280	\$	512,903
<b>Total per Tariff Sheet</b>		<b>104,965,241</b>			<b>\$ 4,978,734</b>

**Large General Service-Secondary Service ( 100 kW minimum)**  
**Sheet No. 19** MO940

**Customer Charge**

Winter 10/1 to 5/31	Regular Use	2,786	\$ 54.00	\$	150,438
Summer 6/1 to 9/30	Regular Use	1,384	\$ 54.00	\$	74,752

Light and Power Billing Determinants on Proposed Rate Design for the TY 2002

<b>Demand charge</b>				
Winter 10/1 to 5/31	All kW of Billing Demand	473,167	\$ 5.00	\$ 2,365,837
Summer 6/1 to 9/30	All kW of Billing Demand	266,248	\$ 7.47	\$ 1,988,873
<b>Primary Discount Rider</b>				\$ -
<b>EDR Credit</b>				\$ (14,993)
<b>Misc Fees</b>				\$ 7,941
<b>Curtailment Credit</b>				\$ (4,734)
<b>Energy charge</b>				
Winter 10/1 to 5/31	First 180 kWh's per Actual kW	87,357,347	\$0.0240	\$ 2,096,576
Winter 10/1 to 5/31	Next 180 kWh's per Actual kW	49,664,272	\$0.0220	\$ 1,092,614
Winter 10/1 to 5/31	Excess kWh's	22,047,044	\$0.0200	\$ 440,941
Summer 6/1 to 9/30	First 180 kWh's per Actual kW	46,742,561	\$0.0240	\$ 1,121,821
Summer 6/1 to 9/30	Next 180 kWh's per Actual kW	29,809,977	\$0.0220	\$ 655,819
Summer 6/1 to 9/30	Excess kWh's	18,329,686	\$0.0200	\$ 366,594
<b>Total per Tariff Sheet</b>		<u>253,950,887</u>		<u>\$ 10,342,480</u>

**Large General Service-Primary Service ( 100 kW minimum)**  
 Sheet No. 19 MO943

<b>Customer Charge</b>				
Winter 10/1 to 5/31	Regular Use	40	\$ 140.50	\$ 5,620
Summer 6/1 to 9/30	Regular Use	20	\$ 140.50	\$ 2,810
<b>Demand charge</b>				
Winter 10/1 to 5/31	All kW of Billing Demand	4,333	\$ 4.88	\$ 21,145
Summer 6/1 to 9/30	All kW of Billing Demand	2,577	\$ 7.28	\$ 18,761
<b>Primary Discount Rider</b>				\$ -
<b>EDR Credit</b>				\$ -
<b>Misc Fees</b>				\$ 50,605
<b>Curtailment Credit</b>				\$ -
<b>Energy charge</b>				
Winter 10/1 to 5/31	First 180 kWh's per Actual kW	782,304	\$0.0234	\$ 18,306
Winter 10/1 to 5/31	Next 180 kWh's per Actual kW	673,003	\$0.0215	\$ 14,470
Winter 10/1 to 5/31	Excess kWh's	258,754	\$0.0195	\$ 5,046
Summer 6/1 to 9/30	First 180 kWh's per Actual kW	400,178	\$0.0234	\$ 9,364
Summer 6/1 to 9/30	Next 180 kWh's per Actual kW	299,560	\$0.0215	\$ 6,441
Summer 6/1 to 9/30	Excess kWh's	14,444	\$0.0195	\$ 282
<b>Total per Tariff Sheet</b>		<u>2,428,243</u>		<u>\$ 152,848</u>

**Large Power Service-Secondary (500 kW minimum)**  
 Sheet No. 21 MO944

<b>Facilities kW Charge</b>				
Winter 10/1 to 5/31	First 500 Facilities kW	410	\$ 650.00	\$ 266,500
Winter 10/1 to 5/31	All over 500 kW Facilities kW	658,380	\$ 1.10	\$ 724,218

Light and Power Billing Determinants on Proposed Rate Design for the TY 2002

Summer 6/1 to 9/30	First 500 Facilities kW	206	\$	650.00	\$	133,900
Summer 6/1 to 9/30	All over 500 kW Facilities kW	317,185	\$	1.10	\$	348,904
<b>Demand charge</b>						
Winter 10/1 to 5/31	kW < Prev Summer Peak kW	688,147	\$	3.32	\$	2,284,648
Winter 10/1 to 5/31	Each kW > Prev Summer Peal	38,708	\$	0.2700	\$	10,451
Summer 6/1 to 9/30	All kW of Billing Demand	382,041	\$	6.74	\$	2,574,956
<b>Primary Discount Rider</b>						
-						
<b>EDR Credit</b>						
-						
<b>Misc Fees</b>						
-						
<b>Curtailment Credit</b>						
-						
<b>Energy charge</b>						
Winter 10/1 to 5/31	For each "on-peak" kWh's	171,276,258	\$	0.0270	\$	4,624,459
Winter 10/1 to 5/31	For each "off-peak" kWh's	182,840,201	\$	0.0220	\$	4,022,484
Summer 6/1 to 9/30	For each "on-peak" kWh's	77,371,328	\$	0.0330	\$	2,553,254
Summer 6/1 to 9/30	For each "off-peak" kWh's	116,862,187	\$	0.0250	\$	2,921,555
<b>Total per Tariff Sheet</b>		<b>548,349,974</b>				<b>\$ 20,112,188</b>

**Large Power Service-Primary (500 kW minimum)**

Sheet No. 21 MO945

**Facilities kW Charge**

Winter 10/1 to 5/31	First 500 Facilities kW	38	\$	650.00	\$	24,700
Winter 10/1 to 5/31	All over 500 kW Facilities kW	83,850	\$	1.10	\$	92,235
Summer 6/1 to 9/30	First 500 Facilities kW	22	\$	650.00	\$	14,300
Summer 6/1 to 9/30	All over 500 kW Facilities kW	45,893	\$	1.10	\$	50,482

**Demand charge**

Winter 10/1 to 5/31	kW < Prev Summer Peak kW	85,807	\$	3.24	\$	278,015
Winter 10/1 to 5/31	Each kW > Prev Summer Peal	1,717	\$	0.2700	\$	464
Summer 6/1 to 9/30	All kW of Billing Demand	51,854	\$	6.57	\$	340,681

**Primary Discount Rider**

-

**EDR Credit**

-(171,998)

**Misc Fees**

-

**Curtailment Credit**

-

**Energy charge**

Winter 10/1 to 5/31	For each "on-peak" kWh's	18,351,284	\$	0.02633	\$	483,098
Winter 10/1 to 5/31	For each "off-peak" kWh's	18,290,332	\$	0.02145	\$	392,328
Summer 6/1 to 9/30	For each "on-peak" kWh's	9,260,518	\$	0.03218	\$	297,957
Summer 6/1 to 9/30	For each "off-peak" kWh's	13,569,887	\$	0.02438	\$	330,766
<b>Total per Tariff Sheet</b>		<b>59,472,021</b>				<b>\$ 2,133,027</b>

**Non-Residential Service - Separate Meter -Space Heating/Water Heating**

Sheet No. 30 MO941

**Service Charge for each bill**

Light and Power Billing Determinants on Proposed Rate Design for the TY 2002

Winter 10/1 to 5/31	Regular Use	842	\$7.20	\$	6,062
Summer 6/1 to 9/30	Regular Use	422	\$7.20	\$	3,038
<b>Energy charge</b>					
Winter 10/1 to 5/31	All kWh	2,064,786	\$0.0530	\$	109,434
Summer 6/1 to 9/30	All kWh	626,676	\$0.0600	\$	37,601
<b>Total per Tariff Sheet</b>		<u>2,691,462</u>			<u>\$ 156,135</u>

**Private Area Lighting Sheet No.**

*Across the Board 7.5% Decrease* 92.5000%

**Number of Services**

Winter 10/1 to 5/31	-
Summer 6/1 to 9/30	-

**Energy charge**

Winter 10/1 to 5/31	Regular Use	14,380,951		\$	1,433,616
Summer 6/1 to 9/30	Regular Use	4,788,501		\$	479,569
<b>Total per Tariff Sheet</b>		<u>19,169,452</u>			<u>\$ 1,913,185</u>

**Outdoor Night Lighting Sheet No. 28.1**

MO971

*Across the Board 7.5% Decrease* 92.5000%

**Service Charge for each bill**

Each Bill	Regular Use	-	\$ 4.00	\$	2,090
Each Bill	Regular Use	-	\$ 4.00	\$	-

**Energy charge**

Winter 10/1 to 5/31	All kWh	203,576	\$ 0.0660	\$	12,428
Summer 6/1 to 9/30	All kWh	218,359	\$ 0.0660	\$	13,331
<b>Total per Tariff Sheet</b>		<u>421,935</u>			<u>\$ 27,849</u>

**Private Area Lighting Sheet No. 27**

MO972

*Across the Board 7.5% Decrease* 92.5000%

**Number of Services**

Each Bill	Secondary meter base install, per r	71,747		\$	709
Each Bill	Meter Installation with CT's, per me	-			

**Misc Fees**

\$ 1,365

**Energy charge**

Winter 10/1 to 5/31	Regular Use	614,820	\$ 0.0340	\$	19,336
Summer 6/1 to 9/30	Regular Use	253,208	\$ 0.0340	\$	7,963
<b>Total per Tariff Sheet</b>		<u>868,028</u>			<u>\$ 29,374</u>



Light and Power Billing Determinants on Proposed Rate Design for the TY 2002

**Street Lighting & Traffic Signals**

Sheet No. 25.2

MO973

**Across the Board 7.5% Decrease**

92.5000%

**Service Charge for each bill**

Each Month	Secondary meter base install,per r	260	\$	1.71	\$	411
Each Month	Meter Installation with CT's,per me	-	\$	2.95	\$	-

**Energy charge**

Winter 10/1 to 5/31	All kWh	428,207	\$	0.0410	\$	16,240
Summer 6/1 to 9/30	All kWh	206,907	\$	0.0410	\$	7,847

**Total per Tariff Sheet**

635,114	\$ 24,498
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Normalized Adjusted kWh on Proposed Rate Design

1,768,982,692 kWh

\$ 90,322,928