

**RATE DESIGN FOR RATE RDS - RETAIL DELIVERY SERVICE**

**EQUAL PERCENTAGE OF EMBEDDED COST RATE DESIGN WITH CITY AND STAFF PROPOSAL TO CHANGE NCP To CP**

**2006 TEST YEAR** Residential ECOSS-Based Revenue \$1,139,438,055 (ER) Total Residential Revenue Requirement \$1,093,393,276 (RR)

RESIDENTIAL DELIVERY CLASSES	2006 Test Year Billing Units	ECOSS-BASED REVENUE				EPEC	ILLUSTRATIVE EPEC RATES					
		Embedded Cost	Unit Cost	Embedded Revenue	Total Embedded Revenue	EPEC Revenue	Unit Charges (1)	Revenue	Total Revenue	as a % of EPEC	Annual kWh	Overall \$/kWh
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(J)	(K)	(L)	(M)
			= (B) / (A)	= (A) * (C)	= (D) by class	= (E) * (RR) / (ER)	= (C) * (RR) / (ER)	= (A) * (G)	= (H) by class	= (J) / (F)		= (J) / (L)
Single Family Without Electric Space Heat												
Customer Charge	26,697,419	\$219,449,326	\$8.22	\$219,452,784			\$7.93	\$211,710,533				
Standard Metering Service Charge	26,697,419	\$60,331,070	\$2.26	\$60,336,167			\$2.24	\$59,802,219				
Distribution Facilities Charge (kWh)	21,387,196,569	\$584,712,070	\$0.02734	\$584,725,954			\$0.02611	\$558,419,702				
<b>Total</b>					\$864,514,905	\$829,579,792			\$829,932,454	100.0%	21,387,196,569	\$0.0388
Multi Family Without Electric Space Heat												
Customer Charge	11,790,625	\$73,795,180	\$6.26	\$73,809,313			\$5.92	\$69,800,500				
Standard Metering Service Charge	11,790,625	\$29,203,967	\$2.48	\$29,240,750			\$2.24	\$26,411,000				
Distribution Facilities Charge (kWh)	4,318,599,079	\$114,697,553	\$0.02656	\$114,701,992			\$0.02611	\$112,758,622				
<b>Total</b>					\$217,752,055	\$208,952,678			\$208,970,122	100.0%	4,318,599,079	\$0.0484
Single Family With Electric Space Heat												
Customer Charge	421,054	\$3,488,378	\$8.28	\$3,486,327			\$7.93	\$3,338,958				
Standard Metering Service Charge	421,054	\$951,523	\$2.26	\$951,582			\$2.24	\$943,161				
Distribution Facilities Charge (kWh)	846,860,628	\$12,219,875	\$0.01443	\$12,220,199			\$0.01360	\$11,517,305				
<b>Total</b>					\$16,658,108	\$15,984,953			\$15,799,424	98.8%	846,860,628	\$0.0187
Multi Family With Electric Space Heat												
Customer Charge	1,851,477	\$11,571,922	\$6.25	\$11,571,731			\$5.92	\$10,960,744				
Standard Metering Service Charge	1,851,477	\$4,585,945	\$2.48	\$4,591,663			\$2.24	\$4,147,308				
Distribution Facilities Charge (kWh)	1,734,301,528	\$24,347,821	\$0.01404	\$24,349,593			\$0.01360	\$23,586,501				
<b>Total</b>					\$40,512,987	\$38,875,854			\$38,694,553	99.5%	1,734,301,528	\$0.0223
<b>Residential Total</b>					\$1,139,438,055	\$1,093,393,277			\$1,093,396,553	100.0%	28,286,957,804	\$0.0387
Annual Bills	40,760,575											
Annual kWhs	28,286,957,804											

Notes:  
(1) Minor rounding exists.

RATE DESIGN FOR RATE RDS - RETAIL DELIVERY SERVICE					Nonresidential ECOSS-Based Revenue	\$879,658,887 (ER)	Total Nonresidential Revenue Requirement					\$844,111,804 (RR)
EQUAL PERCENTAGE OF EMBEDDED COST RATE DESIGN WITH CITY AND STAFF PROPOSAL TO CHANGE NCP To CP												
2006 TEST YEAR												
NONRESIDENTIAL DELIVERY CLASSES	2006 Test Year Billing Units	ECOSS-BASED REVENUE				EPEC		ILLUSTRATIVE EPEC RATES				
		Embedded Cost	Unit Cost	Embedded Revenue	Total Embedded Revenue	EPEC Revenue	Unit Charges (1) (2)	Revenue	Total Revenue	as a % of EPEC	Annual kWh	Overall \$/kWh
	(A)	(B)	(C) = (B) / (A)	(D) = (A) * (C)	(E) = (D) by class	(F) = (E) * (RR) / (ER)	(G) = (C) * (RR) / (ER)	(H) = (A) * (G)	(J) = (H) by class	(K) = (J) / (F)	(L)	(M) = (J) / (L)
<b>Watt-Hour Delivery Class</b>												
Customer Charge	1,174,063	\$8,864,602	\$7.55	\$8,864,176			\$7.24	\$8,500,216				
Standard Metering Service Charge	1,174,063	\$2,211,526	\$1.88	\$2,207,238			\$1.80	\$2,113,313				
Distribution Facilities Charge (kWh)	539,524,870	\$10,273,479	\$0.01904	\$10,272,554			\$0.01828	\$9,862,515				
<b>Total</b>					\$21,343,968	\$20,481,457			\$20,476,044	100.0%	539,524,870	\$0.0380
<b>Small Load Delivery Class</b>												
Customer Charge	2,697,083	\$22,009,532	\$8.16	\$22,008,197			\$7.78	\$20,983,306				
Standard Metering Service Charge	2,697,083	\$18,910,763	\$7.01	\$18,906,552			\$6.73	\$18,151,369				
Distribution Facilities Charge (kW)	38,963,580	\$195,871,554	\$5.03	\$195,986,807			\$4.83	\$188,194,091				
Rider ACT	35,144						(\$0.20533)	(\$7,216)				
<b>Total</b>					\$236,901,556	\$227,328,346			\$227,321,550	100.0%	11,486,376,300	\$0.0198
<b>Medium Load Delivery Class</b>												
Customer Charge	213,239	\$2,693,590	\$12.63	\$2,693,209			\$11.72	\$2,499,161				
Standard Metering Service Charge	213,239	\$2,149,073	\$10.08	\$2,149,449			\$9.67	\$2,062,021				
Distribution Facilities Charge (kW)	30,408,673	\$159,315,274	\$5.24	\$159,341,447			\$5.03	\$152,955,625				
Rider ACT	80,983						(\$0.20533)	(\$16,628)				
<b>Total</b>					\$164,184,105	\$157,549,413			\$157,500,179	100.0%	10,887,369,174	\$0.0145
<b>Large Load Delivery Class</b>												
Customer Charge	51,580	\$4,757,719	\$92.24	\$4,757,739			\$88.26	\$4,552,451				
Standard Metering Service Charge	51,580	\$823,597	\$15.97	\$823,733			\$15.32	\$790,206				
Distribution Facilities Charge (kW)	23,898,892	\$138,389,491	\$5.79	\$138,374,585			\$5.56	\$132,877,840				
Rider ACT	160,613						(\$0.20533)	(\$32,979)				
<b>Total</b>					\$143,956,057	\$138,138,782			\$138,187,518	100.0%	10,249,079,093	\$0.0135
<b>Very Large Load Delivery Class</b>												
Customer Charge	22,759	\$11,470,602	\$504.00	\$11,470,536			\$498.66	\$11,349,003				
Standard Metering Service Charge	22,759	\$464,691	\$20.42	\$464,739			\$19.59	\$445,849				
Distribution Facilities Charge (kW)	41,314,110	\$227,864,092	\$5.52	\$228,053,887			\$5.30	\$218,964,783				
Rider ACT	2,092,367						(\$0.20533)	(\$429,626)				
<b>Total</b>					\$239,989,162	\$230,291,182			\$230,330,009	100.0%	19,466,948,637	\$0.0118
<b>Extra Large Load Delivery Class</b>												
Customer Charge	639	\$518,553	\$811.51	\$518,555			\$828.89	\$529,661				
Standard Metering Service Charge	639	\$34,344	\$53.75	\$34,346			\$51.58	\$32,960				
Distribution Facilities Charge (kW)	8,650,679	\$48,343,374	\$5.59	\$48,357,296			\$5.37	\$46,454,146				
Rider ACT	506,532						(\$0.20533)	(\$104,006)				
<b>Total</b>					\$48,910,197	\$46,933,732			\$46,912,761	100.0%	4,200,693,052	\$0.0112
<b>High Voltage Delivery Class: Customers Over 10 MW</b>												
Customer Charge	310	\$154,299	\$497.74	\$154,299			\$551.84	\$171,070				
Standard Metering Service Charge	310	\$10,714	\$34.56	\$10,714			\$25.28	\$7,837				
Distribution Facilities Charge (kW)	7,020,932	\$14,324,950	\$2.04	\$14,322,701			\$1.99	\$13,971,655				
Rider ACT	1,242,431						(\$0.20533)	(\$255,108)				
<b>Total</b>					\$14,487,714	\$13,902,264			\$13,895,454	100.0%	4,334,109,594	\$0.0032
<b>High Voltage Delivery Class: Other Customers</b>												
Customer Charge	491	\$218,689	\$445.40	\$218,691			\$551.84	\$270,953				
Standard Metering Service Charge	491	\$10,391	\$21.16	\$10,390			\$25.28	\$12,412				
Distribution Facilities Charge (kW)	669,590	\$3,065,616	\$4.58	\$3,066,722			\$4.35	\$2,912,717				
Rider ACT	158,295						(\$0.20533)	(\$32,503)				
<b>Total</b>					\$3,295,803	\$3,162,619			\$3,163,579	100.0%	384,418,839	\$0.0082
<b>Railroad Delivery Class</b>												
Customer Charge	24	\$108,127	\$4,505.29	\$108,127			\$4,323.45	\$103,763				
Standard Metering Service Charge	24	\$1,510	\$62.92	\$1,510			\$60.38	\$1,449				
Distribution Facilities Charge (kW)	1,535,708	\$6,474,724	\$4.22	\$6,480,688			\$4.05	\$6,219,617				
<b>Total</b>					\$6,590,325	\$6,324,009			\$6,324,829	100.0%	512,229,931	\$0.0123
<b>Nonresidential TOTAL</b>					\$879,658,887	\$844,111,804			\$844,111,923	100.0%	62,060,749,490	\$0.0136

Notes:

- (1) Minor rounding exists.
- (2) Distribution Facilities Charge required adjustment, as applicable, to allow for recovery of Rider ACT credit.

**RATE DESIGN FOR RATE RDS - RETAIL DELIVERY SERVICE  
EQUAL PERCENTAGE OF EMBEDDED COST RATE DESIGN WITH CITY AND STAFF PROPOSAL TO CHANGE NCP TO CP  
2006 TEST YEAR**

		Lighting ECOS-Based Revenue					\$24,552,071 (ER)	Total Lighting Revenue Requirement					\$23,559,920
		ECOS-BASED REVENUE					EPEC	ILLUSTRATIVE EPEC RATES					
DELIVERY CLASSES	2006 Test Year Billing Units	Allocation	Embedded Cost	Unit Cost	Embedded Revenue	Total Embedded Revenue	EPEC Revenue	Unit Charges (1)	Revenue	Total Revenue	as a % of EPEC	Annual kWh	Overall \$/kWh
	(A)	(%)	(B) or (B) = (%) * (FC)	(C) = (B) / (A)	(D) = (A) * (C)	(E) = (D) by class	(F) = (E) * (RR) / (ER)	(G) = (C) * (RR) / (ER)	(H) = (A) * (G)	(J) = (H) by class	(K) = (J) / (F)	(L)	(M) = (J) / (L)
<u>Fixtures</u>													
Fixture-Included Lighting Delivery Class													
Fixture-Included Lighting Costs (2)			\$20,511,506 (FC)										
Public Street Lighting													
MV 100 Watts	242,791	6.71%	\$1,376,322	\$5.67	\$1,376,625			\$5.44	\$1,320,783				
MV 175 Watts	614,320	17.10%	\$3,507,468	\$5.71	\$3,507,767			\$5.48	\$3,366,474				
MV 250 Watts	100,052	2.91%	\$596,885	\$5.97	\$597,310			\$5.73	\$573,298				
MV 400 Watts	111,662	3.42%	\$701,494	\$6.28	\$701,237			\$6.03	\$673,322				
HPS 70 Watts	17,151	0.50%	\$102,558	\$5.98	\$102,563			\$5.74	\$98,447				
HPS 100 Watts	221,809	6.49%	\$1,331,197	\$6.00	\$1,330,854			\$5.76	\$1,277,620				
HPS 150 Watts	236,674	7.04%	\$1,444,010	\$6.10	\$1,443,711			\$5.85	\$1,384,543				
HPS 250 Watts	159,391	5.11%	\$1,048,138	\$6.58	\$1,048,793			\$6.31	\$1,005,757				
HPS 400 Watts	30,624	1.00%	\$205,115	\$6.70	\$205,181			\$6.43	\$196,912				
HPS 1,000 Watts	1,704	0.08%	\$16,409	\$9.63	\$16,410			\$9.24	\$15,745				
Equipment													
Bracket =< 8 feet	902,990	15.80%	\$3,240,818	\$3.59	\$3,241,734			\$3.44	\$3,106,286				
Bracket > 8 feet	636,815	18.42%	\$3,778,219	\$5.93	\$3,776,313			\$5.69	\$3,623,477				
Luminaire Post Top (Early American/Contemporary)	58,745	0.44%	\$90,251	\$1.54	\$90,467			\$1.48	\$86,943				
Luminaire Acorn	7,838	0.15%	\$30,767	\$3.93	\$30,803			\$3.77	\$29,549				
Private Outdoor Lighting													
MV 175 Watts	129,234	4.96%	\$1,017,371	\$7.87	\$1,017,072			\$7.55	\$975,717				
MV 400 Watts	48,818	2.04%	\$418,435	\$8.57	\$418,370			\$8.22	\$401,284				
HPS Flood 100 Watts	27,774	1.25%	\$256,394	\$9.23	\$256,354			\$8.86	\$246,078				
HPS Flood 250 Watts	129,685	5.84%	\$1,197,872	\$9.24	\$1,198,289			\$8.87	\$1,150,306				
HPS Conventional 100 Watts	5,904	0.24%	\$49,228	\$8.34	\$49,239			\$8.00	\$47,232				
HPS Conventional 150 Watts	12,481	0.50%	\$102,558	\$8.22	\$102,594			\$7.89	\$98,475				
<b>Total</b>	<b>131,147,229 kWh</b>					<b>\$20,511,686</b>	<b>\$19,682,807</b>			<b>\$19,678,248</b>	<b>100.0%</b>	<b>131,147,229</b>	<b>\$0.1500</b>
<u>kWh</u>													
Dusk to Dawn Lighting Delivery Class													
Customer Costs			\$600,504										
Standard Metering Service Charge	514,761,019		\$48,891	\$0.00009	\$46,328			\$0.00009	\$46,328				
Distribution Facilities Charge - Dusk to Dawn (kWh) (3)	514,761,019		\$2,562,332	\$0.00614	\$3,160,633			\$0.00589	\$3,031,942				
<b>Total</b>						<b>\$3,206,961</b>	<b>\$3,077,367</b>			<b>\$3,078,270</b>	<b>100.0%</b>	<b>514,761,019</b>	<b>\$0.0060</b>
General Lighting Delivery Class													
Customer Costs			\$144,626										
Standard Metering Service Charge	68,201,677		\$7,031	\$0.00010	\$6,820			\$0.00010	\$6,820				
Distribution Facilities Charge - All Other Ltg (kWh) (3)	68,201,677		\$682,193	\$0.01212	\$826,604			\$0.01163	\$793,186				
<b>Total</b>						<b>\$833,424</b>	<b>\$799,745</b>			<b>\$800,006</b>	<b>100.0%</b>	<b>68,201,677</b>	<b>\$0.0117</b>
<b>Lighting TOTAL</b>	<b>714,109,925</b>					<b>\$24,552,071</b>	<b>\$23,559,919</b>			<b>\$23,556,524</b>	<b>100.0%</b>	<b>714,109,925</b>	<b>\$0.0330</b>
<b>COMPANY TOTAL</b>	<b>91,061,817,219</b>					<b>\$2,043,649,013</b>				<b>\$1,961,065,000</b>		<b>91,061,817,219</b>	<b>\$0.0215</b>
<b>COMPANY 2006 TEST YEAR REVENUE REQUIREMENT</b>									<b>\$1,961,065,000</b>				
													<b>\$0 difference</b>
													<b>OK</b>

Note:  
(1) Minor rounding exists.  
(2) For the purposes of rate design, all costs are included in the fixture charges for the Fixture-Included Lighting Delivery Class.  
(3) For the purposes of rate design, customer costs are included in the distribution facilities charges for the Dusk to Dawn Lighting and the General Lighting Delivery Classes.