

RATE DESIGN FOR RATE RDS - RETAIL DELIVERY SERVICE
MITIGATED RATE DESIGN WITH PRIMARY/SECONDARY ANALYSIS RESULTS ONLY
2006 TEST YEAR

Residential ECOS-Based Revenue \$1,142,031,091 (ER)

Total Residential Revenue Requirement \$1,096,036,017 (RR)

RESIDENTIAL DELIVERY CLASSES	2006 Test Year Billing Units (A)	ECOS-BASED REVENUE				EPEC	ILLUSTRATIVE RATES						Prior To 9/16/08 Overall \$/kWh (N)	Increase % (P) = ((M) / (N)) - 1
		Embedded Cost (B)	Unit Cost (C) = (B) / (A)	Embedded Revenue (D) = (A) * (C)	Total Embedded Revenue (E) = (D) by class	EPEC Revenue (F) = (E) * (RR) / (ER)	Unit Charges (1) (G) = (C) * (RR) / (ER)	Revenue (H) = (A) * (G)	Total Revenue (J) = (H) by class	as a % of EPEC (K) = (J) / (F)	Annual kWh (L)	Overall \$/kWh (M) = (J) / (L)		
Single Family Without Electric Space Heat														
Customer Charge	26,697,419	\$219,767,007	\$8.23	\$219,719,758			\$7.65	\$204,235,255						
Standard Metering Service Charge	26,697,419	\$60,331,073	\$2.26	\$60,336,167			\$2.24	\$59,802,219						
Distribution Facilities Charge (kWh)	21,387,196,569	\$560,915,369	\$0.02623	\$560,986,166			\$0.02541	\$543,448,665						
Total					\$841,042,091	\$807,169,289			\$807,486,139	100.0%	21,387,196,569	\$0.0378	\$0.0307	23.1%
Multi Family Without Electric Space Heat														
Customer Charge	11,790,625	\$74,594,628	\$6.33	\$74,634,656			\$6.56	\$77,346,500						
Standard Metering Service Charge	11,790,625	\$29,203,968	\$2.48	\$29,240,750			\$2.24	\$26,411,000						
Distribution Facilities Charge (kWh)	4,318,599,079	\$118,579,888	\$0.02746	\$118,588,731			\$0.02541	\$109,735,603						
Total					\$222,464,137	\$213,504,438			\$213,493,103	100.0%	4,318,599,079	\$0.0494	\$0.0389	27.0%
Single Family With Electric Space Heat														
Customer Charge	421,054	\$3,493,668	\$8.30	\$3,494,748			\$7.65	\$3,221,063						
Standard Metering Service Charge	421,054	\$951,523	\$2.26	\$951,582			\$2.24	\$943,161						
Distribution Facilities Charge (kWh)	846,860,628	\$17,788,521	\$0.02101	\$17,792,542			\$0.02115	\$17,911,102						
Total					\$22,238,872	\$21,343,206			\$22,075,326	103.4%	846,860,628	\$0.0261	\$0.0216	20.8%
Multi Family With Electric Space Heat														
Customer Charge	1,851,477	\$11,693,486	\$6.32	\$11,701,335			\$6.56	\$12,145,689						
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	\$39,998,012	\$0.02306	\$39,992,993			\$0.02115	\$36,680,477						
Total					\$56,285,991	\$54,019,084			\$52,973,474	98.1%	1,734,301,528	\$0.0305	\$0.0247	23.5%
Residential TOTAL					\$1,142,031,091	\$1,096,036,017			\$1,096,028,042	100.0%	28,286,957,804	\$0.0387	\$0.0313	23.6%
Annual Bills	40,760,575													
Annual kWhs	28,286,957,804													

Notes:
 (1) Minor rounding exists.

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2006 TEST YEAR

Nonresidential ECOSS-Based Revenue
Excluding High Voltage Delivery Class \$852,629,191 (ER)

Nonresidential Revenue Requirement
Excluding High Voltage Delivery Class \$818,289,720 (RR)

NONRESIDENTIAL DELIVERY CLASSES EXCLUDING HIGH VOLTAGE DELIVERY CLAS	2006 Test Year Billing Units (A)	ECOSS-BASED REVENUE				EPEC		ILLUSTRATIVE RATES					Prior To 9/16/08 Overall \$/kWh (N)	Increase % (P) = ((M) / (N)) - 1
		Embedded Cost (B)	Unit Cost (C) = (B) / (A)	Embedded Revenue (D) = (A) * (C)	Total Embedded Revenue (E) = (D) by class	EPEC Revenue (F) = (E) * (RR) / (ER)	103.40%		Total Revenue (J) = (H) by class	as a % of EPEC (K) = (J) / (F)	Annual kWh (L)	Overall \$/kWh (M) = (J) / (L)		
							Charges (1) (2) (3) (G) = (C) * (RR) / (ER)	Revenue (H) = (A) * (G)						
Watt-Hour Delivery Class														
Customer Charge	1,174,063	\$8,583,407	\$7.31	\$8,582,401		\$7.32	\$8,594,141							
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	\$10,828,074	\$0.02007	\$10,828,264		\$0.01993	\$10,752,731							
Total				\$21,617,903		\$20,747,246		\$21,460,185	103.4%	539,524,870	\$0.0398	\$0.0373	6.7%	
Small Load Delivery Class														
Customer Charge	2,697,083	\$21,807,281	\$8.09	\$21,819,401		\$8.30	\$22,385,789							
Standard Metering Service Charge	2,697,083	\$18,910,764	\$7.01	\$18,906,552		\$6.73	\$18,151,369							
Distribution Facilities Charge (kW)	38,963,580	\$197,680,518	\$5.07	\$197,545,351		\$5.03	\$195,986,807							
Rider ACT	35,144					(\$0.20533)	(\$7,216)							
Total				\$238,271,304		\$228,674,975		\$236,516,749	103.4%	11,486,376,300	\$0.0206	\$0.0179	15.1%	
Medium Load Delivery Class														
Customer Charge	213,239	\$2,575,356	\$12.08	\$2,575,927		\$13.96	\$2,976,816							
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	\$162,907,793	\$5.36	\$162,990,487		\$5.31	\$161,470,054							
Rider ACT	80,983					(\$0.20533)	(\$16,628)							
Total				\$167,715,863		\$160,961,140		\$166,492,263	103.4%	10,887,369,174	\$0.0153	\$0.0144	6.3%	
Large Load Delivery Class														
Customer Charge	51,580	\$4,719,307	\$91.49	\$4,719,054		\$91.81	\$4,735,560							
Standard Metering Service Charge	51,580	\$823,597	\$15.97	\$823,733		\$15.33	\$790,721							
Distribution Facilities Charge (kW)	23,898,892	\$133,422,834	\$5.58	\$133,355,817		\$5.54	\$132,399,862							
Rider ACT	160,613					(\$0.20533)	(\$32,979)							
Total				\$138,898,604		\$133,304,490		\$137,893,164	103.4%	10,249,079,093	\$0.0135	\$0.0130	3.9%	
Very Large Load Delivery Class														
Customer Charge	22,759	\$11,439,522	\$502.64	\$11,439,584		\$520.57	\$11,847,653							
Standard Metering Service Charge	22,759	\$464,691	\$20.42	\$464,739		\$19.60	\$446,076							
Distribution Facilities Charge (kW)	41,314,110	\$218,515,989	\$5.29	\$218,551,642		\$5.25	\$216,899,078							
Rider ACT	2,092,367					(\$0.20533)	(\$429,626)							
Total				\$230,455,965		\$221,174,397		\$228,763,181	103.4%	19,466,948,637	\$0.0118	\$0.0116	1.7%	
Extra Large Load Delivery Class														
Customer Charge	639	\$513,124	\$803.01	\$513,123		\$771.67	\$493,097							
Standard Metering Service Charge	639	\$34,344	\$53.75	\$34,346		\$51.59	\$32,966							
Distribution Facilities Charge (kW)	8,650,679	\$47,279,271	\$5.47	\$47,319,214		\$3.16	\$27,336,146							
Rider ACT	506,532					(\$0.20533)	(\$104,006)							
Total				\$47,866,683		\$45,938,862		\$27,758,203	60.4%	4,200,693,052	\$0.0066	\$0.0052	26.9%	
Railroad Delivery Class														
Customer Charge	24	\$107,462	\$4,477.58	\$107,462		\$4,298.48	\$103,164							
Standard Metering Service Charge	24	\$1,510	\$62.92	\$1,510		\$60.39	\$1,449							
Distribution Facilities Charge (kW)	1,535,708	\$7,687,016	\$5.01	\$7,693,897		\$3.05	\$4,683,909							
Total				\$7,802,869		\$7,488,610		\$4,788,522	63.9%	512,229,931	\$0.0093	\$0.0076	22.4%	
Nonresidential TOTAL Excluding High Voltage Delivery Class				\$852,629,191		\$818,289,720		\$823,672,267	100.7%	57,342,221,057	\$0.0144	\$0.0134	7.5%	

Notes:

- (1) Minor rounding exists.
- (2) Distribution Facilities Charges for Watt-Hour, Small Load, Medium Load, Large Load, and Very Large Load Delivery Classes increased over embedded cost in order to recover amounts not recovered from Extra Large Load, Railroad, and High Voltage Delivery Classes. Distribution Facilities Charges for Extra Large Load and Railroad Delivery Classes are moved only 25% to embedded cost.
- (3) Distribution Facilities Charge required adjustment, as applicable, to allow for recovery of Rider ACT credit.

**RATE DESIGN FOR RATE RDS - RETAIL DELIVERY SERVICE
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 2006 TEST YEAR**

High Voltage Delivery Class ECOSS-BASED Revenue \$18,161,742 (ER)

High Voltage Delivery Class Revenue Requirement \$17,430,281 (RR)

NONRESIDENTIAL HIGH VOLTAGE DELIVERY CLASS	ECOSS-BASED REVENUE					EPEC	ILLUSTRATIVE RATES								Prior To 9/16/08	
	2006 Test Year Billing Units	Embedded Cost	Unit Cost	Embedded Revenue	Total Embedded Revenue	EPEC Revenue	2006 Test Year Billing Units	Unit Charges (1) (2) (3)	Revenue	Total Revenue	as a % of EPEC	Annual kWh	Overall \$/kWh	Prior To Overall \$/kWh	Increase %	
	(A)	(B)	(C)	(D)	(E)	(F)	(A*)	(G)	(H)	(J)	(K)	(L)	(M)	(N)	(P)	
			= (B) / (A)	= (A) * (C)	= (D) by class	= (E) * (RR) / (ER)		= (C) * (RR) / (ER)	= (A*) * (G)	= (H) by class	= (J) / (F)		= (J) / (L)		= ((M) / (N)) - 1	
Customer Charge																
Small Load								\$8.30	\$0							
Medium Load								\$13.96	\$0							
Large Load								\$91.81	\$0							
Very Large Load							72	\$520.57	\$37,481							
Extra Large Load								\$771.67	\$0							
High Voltage	801	\$363,043	\$453.24	\$363,045			729	\$435.13	\$317,210							
Standard Metering Service Charge																
Small Load								\$6.73	\$0							
Medium Load								\$9.67	\$0							
Large Load								\$15.33	\$0							
Very Large Load							72	\$19.60	\$1,411							
Extra Large Load								\$51.59	\$0							
High Voltage	801	\$21,105	\$26.35	\$21,106			729	\$25.29	\$18,436							
Distribution Facilities Charge (kW)																
Standard Voltage Small Load							1,533	\$5.03	\$7,711							
Standard Voltage Medium Load							10,109	\$5.31	\$53,679							
Standard Voltage Large Load							7,378	\$5.54	\$40,874							
Standard Voltage Very Large Load							195,428	\$5.25	\$1,025,997							
Standard Voltage Extra Large Load							65,292	\$3.16	\$206,323							
High Voltage Over 10 MW	7,020,932	\$14,488,507	\$2.06	\$14,463,120			6,856,452	\$1.32	\$9,050,517							
High Voltage Other	669,590	\$3,313,007	\$4.95	\$3,314,471			554,330	\$2.84	\$1,574,297							
Rider ACT Credit	1,400,726						1,400,726	(\$0.20533)	(\$287,611)							
Nonresidential High Voltage Delivery Class TOTAL					\$18,161,742					\$12,046,325	69.1%	4,718,528,433	\$0.0026	\$0.0019	36.8%	

Notes:
 (1) Minor rounding exists.
 (2) Distribution Facilities Charges for load served at high voltage are moved only 25% to embedded cost.
 (3) Distribution Facilities Charges required adjustment, as applicable, to allow for recovery of Rider ACT credit.

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2006 TEST YEAR

Lighting ECOSS-Based Revenue \$30,538,931 (ER)

Total Lighting Revenue Requirement \$29,308,982 (RR)

LIGHTING DELIVERY CLASSES	2006 Test Year Billing Units (A)	Allocation (%)	ECOSS-BASED REVENUE			Total Embedded Revenue (E) = (D) by class	EPEC		ILLUSTRATIVE RATES					Prior To 9/16/08 Overall \$/kWh (N)	Increase % (P) = ((M) / (N)) - 1
			Embedded Cost (B) or (B) = (%) * (FC)	Unit Cost (C) = (B) / (A)	Embedded Revenue (D) = (A) * (C)		EPEC Revenue (F) = (E) * (RR) / (ER)	Unit Charges (1) (G) = (C) * (RR) / (ER)	Revenue (H) = (A) * (G)	Total Revenue (J) = (H) by class	as a % of EPEC (K) = (J) / (F)	Annual kWh (L)	Overall \$/kWh (M) = (J) / (L)		
<u>Fixtures</u>															
Fixture-Included Lighting Delivery Class															
Fixture-Included Lighting Costs (2)			\$21,645,493 (FC)												
Public Street Lighting															
MV 100 Watts	242,791	6.71%	\$1,452,413	\$5.98	\$1,451,890		\$5.74	\$1,393,620							
MV 175 Watts	614,320	17.10%	\$3,701,379	\$6.03	\$3,704,350		\$5.79	\$3,556,913							
MV 250 Watts	100,052	2.91%	\$629,884	\$6.30	\$630,328		\$6.05	\$605,315							
MV 400 Watts	111,662	3.42%	\$740,276	\$6.63	\$740,319		\$6.36	\$710,170							
HPS 70 Watts	17,151	0.50%	\$108,227	\$6.31	\$108,223		\$6.06	\$103,935							
HPS 100 Watts	221,809	6.49%	\$1,404,792	\$6.33	\$1,404,051		\$6.08	\$1,348,599							
HPS 150 Watts	236,674	7.04%	\$1,523,843	\$6.44	\$1,524,181		\$6.18	\$1,462,645							
HPS 250 Watts	159,391	5.11%	\$1,106,085	\$6.94	\$1,106,174		\$6.66	\$1,061,544							
HPS 400 Watts	30,624	1.00%	\$216,455	\$7.07	\$216,512		\$6.79	\$207,937							
HPS 1,000 Watts	1,704	0.08%	\$17,316	\$10.16	\$17,313		\$9.75	\$16,614							
Equipment															
Bracket =< 8 feet	902,990	15.80%	\$3,419,988	\$3.79	\$3,422,332		\$3.64	\$3,286,884							
Bracket > 8 feet	636,815	18.42%	\$3,987,100	\$6.26	\$3,986,462		\$6.01	\$3,827,258							
Luminaire Post Top (Early American/Contemporary)	58,745	0.44%	\$95,240	\$1.62	\$95,167		\$1.55	\$91,055							
Luminaire Acorn	7,838	0.15%	\$32,468	\$4.14	\$32,449		\$3.97	\$31,117							
Private Outdoor Lighting															
MV 175 Watts	129,234	4.96%	\$1,073,616	\$8.31	\$1,073,935		\$7.98	\$1,031,287							
MV 400 Watts	48,818	2.04%	\$441,568	\$9.05	\$441,803		\$8.69	\$424,228							
HPS Flood 100 Watts	27,774	1.25%	\$270,569	\$9.74	\$270,519		\$9.35	\$259,687							
HPS Flood 250 Watts	129,685	5.84%	\$1,264,097	\$9.75	\$1,264,429		\$9.36	\$1,213,852							
HPS Conventional 100 Watts	5,904	0.24%	\$51,949	\$8.80	\$51,955		\$8.45	\$49,889							
HPS Conventional 150 Watts	12,481	0.50%	\$108,227	\$8.67	\$108,210		\$8.32	\$103,842							
Total	131,147,229 kWh				\$21,650,602		\$20,778,629		\$20,786,391	100.0%	131,147,229	\$0.1585	\$0.1530	3.6%	
<u>kWh</u>															
Dusk to Dawn Lighting Delivery Class															
Customer Costs			\$528,488												
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		\$7,524,726	\$0.01564	\$8,050,862		\$0.01501	\$7,726,563							
Total					\$8,097,190		\$7,771,077		\$7,772,891	100.0%	514,761,019	\$0.0151	\$0.0124	21.8%	
General Lighting Delivery Class															
Customer Costs			\$136,756												
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		\$647,753	\$0.01150	\$784,319		\$0.01103	\$752,264							
Total					\$791,139		\$759,276		\$759,084	100.0%	68,201,677	\$0.0111	\$0.0097	14.4%	
Lighting TOTAL	714,109,925				\$30,538,931		\$29,308,982		\$29,318,366	100.0%	714,109,925	\$0.0411	\$0.0380	8.2%	
COMPANY TOTAL	91,061,817,219				\$2,043,360,955				\$1,961,065,000		91,061,817,219	\$0.0215	\$0.0186	15.9%	
COMPANY 2006 TEST YEAR REVENUE REQUIREMENT									\$1,961,065,000						
									\$0 difference						
									OK						

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.