



Control Number: 46831



Item Number: 415

Addendum StartPage: 0

SOAH DOCKET NO. 473-17-2686
PUC DOCKET NO. 46831

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APPLICATION OF EL PASO
ELECTRIC COMPANY TO
CHANGE RATES

§
§
§

PUBLIC UTILITY COMMISSION
FILING CLERK
BEFORE THE STATE OFFICE
OF
ADMINISTRATIVE HEARINGS

EL PASO ELECTRIC COMPANY'S RESPONSE TO
OFFICE OF PUBLIC UTILITY COUNSEL'S FIFTH REQUEST FOR INFORMATION
QUESTION NOS. OPUC 5-1 THROUGH OPUC 5-14

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OPUC 5-1:

Are non-firm loads included in distribution maximum diversified demand (MDD) loads for those customers at primary distribution and station voltage? If not:

- a. Please explain why the distribution loads are not included.
- b. Please provide distribution MDD loads including non-firm loads for those classes which have non-firm primary and station customers.

RESPONSE:

- a. The non-firm loads for the primary interruptible customers are excluded for the distribution MDD loads since EPE can rely on these loads to be offline if necessary. EPE excludes both the firm and non-firm loads for the station customer because the MDD allocator is used to allocate substation and primary distribution costs. Please refer to the direct testimony of EPE witness Adrian Hernandez, pages 8-9, for a detailed explanation of the MDD allocator. Please note that the terms Maximum Diversified Demand (MDD) and Maximum Class Demand (MCD) are used interchangeably throughout the filing.
- b. Please see OPUC 5-1 Attachment 1 for the requested MDD loads.

Preparer: Eñedina Soto

Title: Economist-Senior

Sponsor: George Novela
Adrian Hernandez

Title: Manager-Economic Research
Senior Rate Analyst-Rates and Regulatory
Affairs

EL PASO ELECTRIC
MDD LOAD INCLUDING PRIMARY NON-FIRM LOADS

SOAH Docket No. 473-17-2686
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OPUC's 5th, Q. No. OPUC 5-1
Attachment 1
Page 1 of 1

Line No.	Rate	Rate Description	MDD Source	At
1 TXRT01		Residential Service		746,810
2 TXRT02		Small General Service		105,875
3 TXRT03		Residential DG Service		8,242
4 TXRT07		Outdoor Recreational Lighting Service		6,850
5 TXRT08		Street Lighting		8,366
6 TXRT09		Traffic Signals		253
7 TXRT11		Municipal Pumping Service		0
8 TXRT11TOU		Municipal Pumping Service - TOU		37,707
9 TXRT15*		Electrolytic Refining Service		15,365
10 TXRTWH		Water Heating Service		7,244
11 TXRT22		Irrigation Service		2,250
12 TXRT24		General Service		413,918
13 TXRT26		Petroleum Refining Service		0
14 TXRT28		Private Area Lighting Service		6,994
15 TXRT30		Electric Furnace Rate		0
16 TXRT34		Cotton Gin Service		1,073
17 TXRT43		University Service		0
18 TXRT41		City and County Service		105,820
19 TXRT25*		Large Power Service		130,096
20 TXRT25A		Large Power Off-Peak Service		0
21 TXRT25T		Large Power Transmission Service		0
22 TXRT31		Military Reservation		0
23 Firm Texas				1,596,863

*Note: Both the firm and non-firm loads are included with TXRT15
The primary non-firm loads are included with TXRT25

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OPUC 5-2:

Please provide workpapers supporting the incremental capacity cost of \$101.74 identified on page 24 of Mr. Carrasco's direct testimony. Does this figure include line losses to secondary distribution voltage?

RESPONSE:

Please see EPE's WP/Q-7(a) TX Rate Design – 2017 GRC Errata. Additionally, see EPE's responses to ECO 3-16, ECO 3-17, SEIA 2-18, and SEIA 2-19.

The incremental capacity cost of \$101.74 represents capacity and operating costs of a peaking generating unit, therefore, no line losses are considered in the calculation of this value.

Preparer: Manuel Carrasco

Title: Supervisor-Rates & Regulatory Affairs

Sponsor: Manuel Carrasco

Title: Supervisor-Rates & Regulatory Affairs

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OPUC 5-3:

Please explain why the TOU rates for residential distributed generation customers and other residential customers are different. Provide workpapers showing any common cost basis between the two rates and supporting the differences between them.

RESPONSE:

Differences in Time-of-Use (TOU) rates between the Residential DG and Residential rate groups are the result of three factors; differenced in the total amount for revenue to be recovered, differences in the quantity of energy to be billed within each TOU period, and the inclusion of a demand charge in the Residential DG rate structure.

Residential DG customers and non-DG residential customers have distinctly different consumption profiles, necessitating the designation of each type of customer into two homogenous groups (i.e., rate classes). Allocation of costs to serve these rate classes reflects the corresponding cost causation effects of their consumption profiles. Therefore, it should be expected that rates, developed for recovery of allocated costs, will not be the same for these two distinct rate classes. In addition, differences in consumption profiles also result in billing determinant differences between TOU periods.

The proposed rate structure for the Residential DG rate class incorporates a demand charge designed to recovery distribution capacity costs and a portion of transmission and production capacity costs. Because these costs are otherwise recovered through the residential TOU energy charge, the TOU rates for the two rate classes will differ.

Please refer to Schedule P-6.1 which shows the common cost source, by classification component, for the rate classes. Please refer to WP/Q-7(a) TX Rate Design – 2017 GRC Errata for the TOU rate design.

Preparer: Manuel Carrasco

Title: Supervisor-Rates & Regulatory Affairs

Sponsor: Manuel Carrasco

Title: Supervisor-Rates & Regulatory Affairs

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OPUC 5-4:

Regarding DG metering:

- a. Please provide the typical metering configuration for new DG customers.
- b. Please explain the circumstances under which DG customers would have more than one meter.
- c. Please explain why there are 3,529 meters for 1,807 residential DG customers (per WP-P-07).

RESPONSE:

- a. Please see EPE's response to SEIA 3-3.
- b. Please see EPE's response to SEIA 3-3.
- c. Please see EPE's response to SEIA 3-3.

Preparer: Raymond L. Medlock

Title: Supervisor-Meter Testing

Sponsor: R. Clay Doyle

Title: Vice President-Transmission & Distribution
and System Planning
Senior Rate Analyst-Rates & Regulatory
Affairs

Adrian Hernandez

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OPUC 5-5:

Following up on OPUC 1-16, please identify any changes in allocations of equipment between primary and secondary voltage from Docket No. 44941 to Docket No. 46831.

RESPONSE:

As stated in EPE's response to OPUC 1-16, in order for the Company to determine the primary/secondary split for each of the requested FERC accounts, the Company was required to assign a primary/secondary classification to each item of property within the account. For those items of property that are classified as either primary or secondary within the plant records, 100% of these costs are included as classified. All "other" items of property were allocated.

In Docket No. 44941, the primary/secondary allocation of all "other" items of property was based on the pro-rata percentage of property classified as either primary or secondary within the account. For example, in Docket No. 44941, in FERC Account 365, Overhead Conductors and Devices, classified primary property was \$40.8 million while classified secondary property was \$7.9 million, for a total of \$48.8 million of classified property within the 365 account. This resulted in a 83.8% allocation to primary (\$40.8/\$48.8) and a 16.2% allocation to secondary (\$7.9/\$48.8). See Attachment No. 1 for a workpaper showing how the primary/secondary split was determined in Docket No. 44941.

In Docket No. 46831, EPE revised its methodology for the allocation of all "other" items of property to more accurately reflect the amount of primary and secondary property included in its distribution accounts. This involved examining each major item of property for each account and allocating a percentage of that property to either primary or secondary based on the expertise of the distribution engineers who performed the analysis (as mentioned in EPE's response to OPUC 1-16). Refer to EPE's response to OPUC 1-16, Attachment 1, for a workpaper showing how the primary/secondary split was determined in this case.

Preparer: Larry J. Hancock

Title: Manager-Plant Accounting

Sponsor: Larry J. Hancock

Title: Manager-Plant Accounting

PRIMARY vs. SECONDARY
TEXAS ONLY
As of March 31, 2015

Retirement Unit	Classification	365 - Overhead conductors, devices	366 - Underground conduit	367 - Undergrnd conductors, devices	Grand Total
HD SERVICE ENCLOSURES	SECONDARY	-	12,846	-	12,846
FUSE MTG HOLDER FUSE	SECONDARY	4,112	-	26,624	30,737
CON NETWK MASTER RELAY	SECONDARY	-	-	175,029	175,029
Network Protector 1 Phase	SECONDARY	-	-	200,322	200,322
NETWORK PROTECTORS 3 PH	SECONDARY	-	-	310,559	310,559
SECONDARY CONNECTOR	SECONDARY	-	(1,397)	3,271,659	3,270,263
SECONDARY CABLE	SECONDARY	11,745	36,485	7,409,719	7,451,958
SECONDARY ENCLOSURES	SECONDARY	-	7,581,512	130,879	7,712,391
WIRE	20% SECONDARY	7,849,755	113,510	935,961	8,899,226
		7,865,612	7,742,966	12,454,753	28,063,331
HD PLATFORM EQUIPMENT	PRIMARY	4,532	-	-	4,532
TRANSCLOSURE	PRIMARY	-	6,327	-	6,327
F/T INSERT 25 KV LINE	PRIMARY	-	-	6,891	6,891
STEP VOLTAGE REGULATOR	PRIMARY	11,238	-	-	11,238
SECTIONALIZER-3 PH OIL	PRIMARY	15,444	-	-	15,444
FEEDER MONITORING	PRIMARY	15,458	-	-	15,458
PRIMARY METERING CABINET	PRIMARY	-	16,447	-	16,447
BREAKER FAILURE RELAYS	PRIMARY	18,394	-	-	18,394
RESTORER-RECLOSURE 3 PH	PRIMARY	28,947	-	-	28,947
15KV BY-PASS SWITCH PDMT	PRIMARY	-	-	37,787	37,787
TRANSFORMER VAULT	PRIMARY	-	56,789	-	56,789
SECTIONALIZER 1-PH OIL	PRIMARY	75,427	-	-	75,427
PRIMARY METERING STATION	PRIMARY	-	-	92,865	92,865
SWITCHGEAR SUB	PRIMARY	-	-	133,675	133,675
MISC PRIMARY CONNNE-367	PRIMARY	-	-	136,000	136,000
600AMP PRIMARY CONNECTOR	PRIMARY	1,837	12,123	162,431	176,391
25KV RECLOSER PADMOUNT	PRIMARY	179,670	-	-	179,670
ELEC RECLOSER CTRL UNIT	PRIMARY	-	-	191,489	191,489
FEED THROUGH	PRIMARY	-	-	192,255	192,255
F 6 ELEC RECLOSER CTRL	PRIMARY	158,688	-	41,789	200,477
CAPACITOR RADIO RECEIVER	PRIMARY	205,351	-	-	205,351
RECLOSURES OR RESTORER	PRIMARY	337,327	-	-	337,327
SW PADMTD 14.4 KV S&C	PRIMARY	-	-	-	-
U.G. PRIMARY SPLICE	PRIMARY	-	-	381,618	381,618
TERMINATOR	PRIMARY	-	(2,690)	596,833	596,833
ELECTRONIC RECLOSER	PRIMARY	888,272	-	787,171	1,675,443
Cut-out	PRIMARY	853,399	-	-	853,399
BUSHING INSERTS	PRIMARY	-	2,087	395,249	1,248,648
ELBOWS	PRIMARY	-	2,295	1,704,933	1,707,020
3 & 4 WAY J'S	PRIMARY	1,163,520	1,502	2,295,281	2,295,576
CABLE PRIMARY 4/0 OR MORE	PRIMARY	-	23,625	1,502,407	2,667,429
Switches	PRIMARY	5,548,554	-	3,060,140	3,083,765
CABLE PRIMARY 4/0 OR LESS	PRIMARY	-	-	8,944,040	8,944,040
WIRE	80% PRIMARY	31,399,019	454,041	4,029,449	9,661,592
		40,909,182	717,043	44,746,733	44,811,745
		48,774,794	8,460,009	85,635,632	142,870,435

PRIMARY & SECONDARY:

250W SV STREET LUM	MISCLASSIFIED, ALLOCATE!	-	-	1,784	1,784
SOFTWARE	MISCLASSIFIED, ALLOCATE!	3,538	-	-	3,538
CONTROL PHOTO EYE	MISCLASSIFIED, ALLOCATE!	6,905	-	-	6,905
400W SV STREET LUM	MISCLASSIFIED, ALLOCATE!	7,338	-	-	7,338
TRNSFR BASE (STRT LIGHT)	MISCLASSIFIED, ALLOCATE!	-	436,426	-	436,426
CABLE OR CONDUCTOR (SUB)	ALLOCABLE	-	14,032	-	14,032
Cable	ALLOCABLE	21,847	-	-	21,847
LARGE INSULATED CABLE	ALLOCABLE	52,086	-	-	52,086
METER RECORDERS	ALLOCABLE	116,865	-	-	116,865
WEATHERPROOF	ALLOCABLE	206,097	-	-	206,097
MANHOLE FRAME & COVER	ALLOCABLE	2,116,883	-	-	2,116,883
U/S CONDUCTOR	ALLOCABLE	-	2,093,812	-	2,093,812
CABLE COPPER 4/0 OR LESS	ALLOCABLE	1,901,364	3,243,349	-	5,144,713
LIDS	ALLOCABLE	-	7,421,670	-	7,421,670
PADS	ALLOCABLE	-	9,470,533	-	9,470,533
CABLE ALUM 4/0 OR LESS	ALLOCABLE	7,387,134	-	3,680,085	11,067,219
PULLBOXES	ALLOCABLE	-	22,989,212	-	22,989,212
CONDUIT	ALLOCABLE	-	27,732,696	1,904	27,734,599
Grand Total		9,703,174	70,181,452	9,020,935	88,905,560
		58,477,968	78,641,461	94,656,567	231,775,995
Wire	OTHER	39,248,774	567,551	4,679,803	44,496,128
	WIRE - PRIMARY	31,399,019	454,041	3,743,843	35,596,903
	WIRE - SECONDARY	7,849,755	113,510	935,961	8,899,226
		39,248,774	567,551	4,679,803	44,496,128

Wire is primary 80%
Wire is secondary 20%

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OPUC 5-6:

Please identify the amount of gross plant and depreciation reserve for capacitors included in Account 368 (Texas only if possible; Texas and New Mexico combined if not).

RESPONSE:

Please see EPE's response to OPUC 1-17 for the amount of gross plant and depreciation reserve for capacitors included in Account 368 for Texas.

Preparer: Barbara J. Torres

Title: Principal Plant Accountant

Sponsor: Larry J. Hancock

Title: Manager-Plant Accounting

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OPUC 5-7:

Please describe and provide documentation of EPE's vegetation management practices associated with primary distribution lines, secondary distribution lines, and services.

RESPONSE:

Please see Schedule H-13.1d.

Preparer: Bryn Davis

Title: Manager-Asset Management Services

Sponsor: R. Clay Doyle

Title: Vice President-Transmission & Distribution
and System Planning

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OPUC 5-8:

Please divide Account 593 into tree-trimming and other vegetation management costs and all other costs, and divide into labor and non-labor.

RESPONSE:

Please refer to the table below for the division of Account 593 into tree-trimming and other vegetation management costs and all other costs, and the division into labor and non-labor.

Account **Description**
593000 Maintenance of Overhead Lines

			Unadjusted
<u>Description</u>	<u>Labor</u>	<u>Non-Labor</u>	<u>Total</u>
Tree Trimming	\$ -	\$2,198,629	\$2,198,629
Other Vegetation Management	-	-	-
Other Costs	2,409,097	842,185	3,251,282
Unadjusted Total	\$2,409,097	\$ 3,040,814	\$5,449,911

Preparer: Myrna Ortiz

Title: Manager-Financial Accounting

Sponsor: Russell G. Gibson
R. Clay Doyle

Title: Vice President- Controller
Vice President-Transmission & Distribution
and System Planning

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OPUC 5-9:

Please identify customer accounting costs (Accounts 901-905) by FERC Account (and any subaccounts used by EPE) in the test year. Identify subaccounts by name and number and provide a brief description of the function(s) in each subaccount.

RESPONSE:

Please refer to OPUC 5-9 Attachment 1 for customer accounting costs (Accounts 901-905) by FERC account in the test year, as well as the name and number of Projects (subaccounts) and a brief description of the function(s) in each Project.

Preparer: Myrna Ortiz

Title: Manager-Financial Accounting

Sponsor: Russell G. Gibson

Title: Vice President-Controller

Account	Project	Project Description	Function	Amount
902000	CN700	CUST SERV-NM EXP BLANKET		\$269,296.95
902000	CN700	CUST SERV-NM EXP BLANKET		\$376,438.83
902000	CT700	CUST SERV-TX EXP BLANKET	Texas and	\$582,090.06
902000	CT700	CUST SERV-TX EXP BLANKET	New Mexico	\$73.61
902000	CT700	CUST SERV-TX EXP BLANKET	Meter Reading	\$816,165.61
902000	CT700	CUST SERV-TX EXP BLANKET	Collection	\$4,747.38
902000	CT700	CUST SERV-TX EXP BLANKET	Support	(\$12,692.89)
902000	CT700	CUST SERV-TX EXP BLANKET	Verification	\$28,406.61
902000	CT700	CUST SERV-TX EXP BLANKET		\$263.73
902000	MN004	METERING-NM BLANKET		\$119,937.75
902000	MT004	METERING-TX-BLANKET		\$71.74
902000	MT004	METERING-TX-BLANKET		\$907.16
902000	MT004	METERING-TX-BLANKET		\$1,976.97
			Meter Reading	
			Information	
902000	MT040	I.T. METERING INFORMATION SYS BLKT	System	\$394,181.92
			Software	
902000	MT111	MVRS SYSTEM PROJECT	Maintenance	\$1,287.00
			Online service for	
			customers to	
			review load	
902000	SS184	MV-WEB Customer Load Service		\$268.95
902000	Total			\$2,583,421.38
			Billing	
			Information	
903000	BB040	I.T. CUSTOMER INFORMATION SYS BLKT	System	\$784,529.55
903000	BB700	BILLING EXPENSE BLANKET		\$0.00
903000	BB700	BILLING EXPENSE BLANKET		\$60,434.37
903000	BB700	BILLING EXPENSE BLANKET		\$426,185.79
903000	BB700	BILLING EXPENSE BLANKET		\$650.19
903000	BB700	BILLING EXPENSE BLANKET		\$292,885.00
903000	BB700	BILLING EXPENSE BLANKET		\$0.00
903000	BB700	BILLING EXPENSE BLANKET		\$1,117.38
903000	BB700	BILLING EXPENSE BLANKET		\$1,181,512.79
903000	BB700	BILLING EXPENSE BLANKET		\$5,731.44
903000	BB700	BILLING EXPENSE BLANKET		\$62,810.20
903000	BB700	BILLING EXPENSE BLANKET		\$1,239.14
903000	BB700	BILLING EXPENSE BLANKET		\$772,559.45
903000	BB700	BILLING EXPENSE BLANKET		\$34,350.93
903000	BB760	BILLING-MAILING BLANKET		\$2,024,623.15
903000	BB801	BILLING - BILL PRINT REVIEW		(\$39.23)
903000	BB801	BILLING - BILL PRINT REVIEW		(\$19.16)
903000	BB801	BILLING - BILL PRINT REVIEW		(\$1,023.43)
903000	CN700	CUST SERV-NM EXP BLANKET		\$5,882.85
903000	CN700	CUST SERV-NM EXP BLANKET		\$195,617.58
903000	CN700	CUST SERV-NM EXP BLANKET		\$1,146,181.08
903000	CN700	CUST SERV-NM EXP BLANKET		(\$100.73)
903000	CN700	CUST SERV-NM EXP BLANKET		\$23,901.75
903000	CN700	CUST SERV-NM EXP BLANKET		(\$17,729.61)
903000	CT700	CUST SERV-TX EXP BLANKET		\$10,979.22
903000	CT700	CUST SERV-TX EXP BLANKET	Texas and	\$236,408.74
903000	CT700	CUST SERV-TX EXP BLANKET	New Mexico	\$97.53
903000	CT700	CUST SERV-TX EXP BLANKET	Customer	\$1,370,245.32
903000	CT700	CUST SERV-TX EXP BLANKET	Service	(\$70,502.21)
903000	CT700	CUST SERV-TX EXP BLANKET	Collections	\$70,247.45
903000	CT700	CUST SERV-TX EXP BLANKET	Support	\$17,626.52
903000	CT700	CUST SERV-TX EXP BLANKET	Call Center	\$973.77
903000	CT700	CUST SERV-TX EXP BLANKET		\$863,136.83
903000	CT700	CUST SERV-TX EXP BLANKET		\$0.00
903000	CT700	CUST SERV-TX EXP BLANKET		\$154.00
903000	CT700	CUST SERV-TX EXP BLANKET		\$2,749,721.17
903000	CT700	CUST SERV-TX EXP BLANKET		\$704,322.17
903000	CT700	CUST SERV-TX EXP BLANKET		\$162.36
903000	CT700	CUST SERV-TX EXP BLANKET		\$218,513.63
903000	CT700	CUST SERV-TX EXP BLANKET		\$3,219.71

Account	Project	Project Description	Function	Amount
903000	CT800	CC&B SUPPORT	Customer	\$11,764.80
903000	CT800	CC&B SUPPORT	Information	\$7,689.60
903000	CT800	CC&B SUPPORT	Systems and	\$3,960.00
903000	CT800	CC&B SUPPORT	Support	\$23,644.80
903000	SK700	CLAIMS/RISK MGMT BLANKET	Revenue	
			Protection	\$1,199.96
903000	SS191	CC&B 2.4 Upgrade	Customer Care and Billing software	\$3,084.38
903000	WR760	NM COST OF SERVICE GENERAL	Upgrade	
903000	WR760	NM COST OF SERVICE GENERAL	Customer Accounting	\$1,193.08
903000	WR760	NM COST OF SERVICE GENERAL	Customer Information	\$21,163.56
903000	WR760	NM COST OF SERVICE GENERAL	Systems, Revenue Collectoins and	\$45,969.90
903000	XR750	TX COST OF SERVICE GENERAL	Billing payroll costs related to 2015	\$7,578.96
903000	XR750	TX COST OF SERVICE GENERAL	Texas and New Mexico rate cases.	\$12,532.99
903000	XR750	TX COST OF SERVICE GENERAL		\$472.21
903000	XR750	TX COST OF SERVICE GENERAL		\$27,723.89
903000	Total			\$13,344,584.82
904000	BB750	BILLING - UNCOLLECTIBLES	Provision for Uncollectibles	\$2,148,000.00
904000	BB750	BILLING - UNCOLLECTIBLES		(\$503.80)
904000	Total			\$2,147,496.20
905000	BB700	BILLING EXPENSE BLANKET		\$62,517.00
905000	BB700	BILLING EXPENSE BLANKET		\$730.07
905000	BB700	BILLING EXPENSE BLANKET		\$400.00
905000	BB700	BILLING EXPENSE BLANKET	Miscellaneous	\$2,897.25
905000	BB700	BILLING EXPENSE BLANKET	Expenses for the Various	\$5,353.06
905000	CN007	CUST SERV-NM-FACILITY SER	Billing, Meter	\$173.84
905000	CN007	CUST SERV-NM-FACILITY SER	Reading	\$6,258.49
905000	CN007	CUST SERV-NM-FACILITY SER	Customer	\$36,470.21
905000	CN007	CUST SERV-NM-FACILITY SER	Support and	\$129,736.50
905000	CN007	CUST SERV-NM-FACILITY SER	Collections	\$47,962.86
905000	CN007	CUST SERV-NM-FACILITY SER	Functions	\$22,770.04
905000	CN700	CUST SERV-NM EXP BLANKET		\$123,583.78
905000	CN700	CUST SERV-NM EXP BLANKET	(Le: Facility	\$7,111.47
905000	CN700	CUST SERV-NM EXP BLANKET	Services for the	\$391.70
905000	CT007	CUST SERV-TX-FACILITY SER	various pay	\$24,930.11
905000	CT007	CUST SERV-TX-FACILITY SER	stations; utilities	\$1,994.10
905000	CT007	CUST SERV-TX-FACILITY SER	for the various	\$8,076.53
905000	CT007	CUST SERV-TX-FACILITY SER	pay stations;	\$1,981.62
905000	CT700	CUST SERV-TX EXP BLANKET	office supplies;	\$6,888.96
905000	CT700	CUST SERV-TX EXP BLANKET	rent; janitorial;	\$5,190.86
905000	CT700	CUST SERV-TX EXP BLANKET	security and	\$206.87
905000	CT700	CUST SERV-TX EXP BLANKET	training.)	\$59,319.89
905000	CT700	CUST SERV-TX EXP BLANKET		\$11,086.37
905000	CT700	CUST SERV-TX EXP BLANKET		\$2,788.37
905000	Total			\$568,819.95
Grand Total				\$18,644,322.35

SOAH DOCKET NO. 473-17-2686
PUC DOCKET NO. 46831

APPLICATION OF EL PASO § BEFORE THE STATE OFFICE
ELECTRIC COMPANY TO § OF
CHANGE RATES § ADMINISTRATIVE HEARINGS

EL PASO ELECTRIC COMPANY'S RESPONSE TO
OFFICE OF PUBLIC UTILITY COUNSEL'S FIFTH REQUEST FOR INFORMATION
QUESTION NOS. OPUC 5-1 THROUGH OPUC 5-14

OPUC 5-10:

Please identify customer service and information and sales and marketing costs (Accounts 907, 916) excluding energy efficiency costs not collected in base rates by FERC Account (and any subaccounts used by EPE) in the test year. Identify subaccounts by name and number and provide a brief description of the function(s) in each subaccount. Identify any adjustments to test year expenses by subaccount.

RESPONSE:

Please refer to Schedule G-15, pages 9 and 10 of 10, noting there are no amounts recorded for customer service and information and sales and marketing costs in Accounts 907 and 916. As indicated in Schedule G-15 the only account used by EPE in the test year is Account 909000 "Informational and Instructional Expenses" in the amount of \$207,598 Unadjusted and \$208,944 Adjusted. This amount is for Project HS750 Corporate Service Costs paid to Pinnacle Data Systems LLC, for the printing of Newsletters to be inserted into customer bills for informational and instructional purposes. Please refer to WP/A-3 Adjustment No. 23 page 1 of 2 for the justification of the adjustment to the test year expense.

Preparer: Myrna Ortiz

Title: Manager-Financial Accounting

Sponsor: Russell G. Gibson

Title: Vice President-Controller

SOAH DOCKET NO. 473-17-2686
PUC DOCKET NO. 46831

APPLICATION OF EL PASO § BEFORE THE STATE OFFICE
ELECTRIC COMPANY TO § OF
CHANGE RATES § ADMINISTRATIVE HEARINGS

EL PASO ELECTRIC COMPANY'S RESPONSE TO
OFFICE OF PUBLIC UTILITY COUNSEL'S FIFTH REQUEST FOR INFORMATION
QUESTION NOS. OPUC 5-1 THROUGH OPUC 5-14

OPUC 5-11:

Please identify all costs of "Major Account Representatives" (defined as EPE employees assigned specifically to serve large customers) in the test year by FERC Account. Divide into labor and non-labor expenses.

RESPONSE:

There are four (4) Major Account Representatives assigned to serve large customers. The estimated salaries associated with these four employees for the test year ended September 30, 2016, was \$341,051.00, recorded in FERC Account 903000. There are no non-labor expenses for these staffers.

Preparer: Michael J. Graniczny

Title: Manager-Commercial Services

Sponsor: Russell G. Gibson

Title: Vice President-Controller

SOAH DOCKET NO. 473-17-2686
PUC DOCKET NO. 46831

APPLICATION OF EL PASO § BEFORE THE STATE OFFICE
ELECTRIC COMPANY TO, § OF
CHANGE RATES § ADMINISTRATIVE HEARINGS

EL PASO ELECTRIC COMPANY'S RESPONSE TO
OFFICE OF PUBLIC UTILITY COUNSEL'S FIFTH REQUEST FOR INFORMATION
QUESTION NOS. OPUC 5-1 THROUGH OPUC 5-14

OPUC 5-12:

Please identify the customer classes that are served by "Major Account Representatives" and estimate the approximate percentage of time spent on each class.

RESPONSE:

The "Major Account Representatives" serve the following customer classes: Commercial/Industrial Large, Commercial/Industrial Small and Public Authority. Based upon customer count by customer class, the approximate time spent on each Customer class is: 28% Commercial/Industrial Large; 35% Commercial/Industrial Small; and 37% Public Authority.

Preparer: Michael J. Graniczny

Title: Manager-Commercial Services

Sponsor: James Schichtl

Title: Vice President-Regulatory Affairs

SOAH DOCKET NO. 473-17-2686
PUC DOCKET NO. 46831

APPLICATION OF EL PASO § BEFORE THE STATE OFFICE
ELECTRIC COMPANY TO § OF
CHANGE RATES § ADMINISTRATIVE HEARINGS

EL PASO ELECTRIC COMPANY'S RESPONSE TO
OFFICE OF PUBLIC UTILITY COUNSEL'S FIFTH REQUEST FOR INFORMATION
QUESTION NOS. OPUC 5-1 THROUGH OPUC 5-14

OPUC 5-13:

Please provide a bill frequency distribution for residential DG customers on a monthly basis (i.e., number of bills and numbers of kWh in ranges of 100 kWh in each month up to 1000 kWh and larger ranges above 1000 kWh).

RESPONSE:

See OPUC 5-13 Attachment 1.

Preparer: Victor H. Silva

Title: Rate Analyst-Rates & Regulatory Affairs

Sponsor: Manuel Carrasco

Title: Supervisor-Rates & Regulatory Affairs

Bill Frequency Distribution

Residential DG

Number of Bills in Interval

Interval	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
100	163	476	422	241	717	977	1,146	1,106	591	177	166	295
200	64	105	165	160	148	113	62	88	128	92	81	151
300	69	87	126	154	92	70	67	87	145	78	89	173
400	56	71	86	133	77	53	57	54	118	99	114	179
500	63	42	66	98	52	30	19	44	112	105	121	175
600	66	37	49	59	38	15	16	32	86	108	145	148
700	44	20	30	65	29	16	14	26	61	122	122	123
800	63	24	18	44	18	13	12	18	69	118	129	97
900	37	13	17	27	14	6	8	12	61	112	98	97
1,000	32	9	11	28	8	2	4	3	30	80	94	86
1,100	26	7	6	25	6	3	2	4	30	88	104	53
1,200	17	7	8	13	2	3	3	2	28	64	72	44
1,300	18	2	6	12	8	6	2	4	24	55	51	40
1,400	9	4	4	8	-	1	2	5	27	68	59	25
1,500	11	1	4	10	5	2	1	2	10	49	44	27
1,600	8	1	2	6	3	2	2	2	8	46	49	12
1,700	8	-	1	8	2	2	4	2	13	25	41	16
1,800	4	1	2	3	2	-	1	2	7	28	30	9
1,900	5	-	2	1	2	1	-	-	2	27	20	10
2,000	4	2	-	1	-	1	-	-	3	23	15	9
2,100	2	-	-	4	1	1	-	-	3	19	16	7
2,200	6	-	-	2	3	-	1	1	2	20	7	3
2,300	3	1	-	3	1	-	-	-	1	6	9	3
2,400	1	-	1	2	-	-	-	-	2	8	6	6
2,500	1	1	1	-	1	-	-	1	1	7	5	2
2,600	1	-	2	3	1	-	-	-	2	4	5	-
2,700	-	-	-	-	-	-	-	-	1	6	1	2
2,800	2	1	-	1	1	1	-	-	-	-	6	1
2,900	1	-	-	1	-	-	-	-	-	2	4	3
3,000	1	-	-	2	-	-	-	-	-	2	4	4
3,100	1	-	-	1	-	-	1	-	-	2	5	1
3,200	-	-	-	-	-	-	-	-	-	2	2	1
3,300	1	-	-	-	-	-	-	-	1	3	-	1
3,400	2	-	-	-	-	-	1	-	1	-	-	1
3,500	-	-	-	-	-	-	-	-	1	-	3	-
3,600	-	-	-	-	1	-	-	-	-	1	-	1
3,700	-	-	-	-	-	-	-	-	1	1	3	-
3,800	-	-	-	-	-	-	-	-	-	1	1	-
3,900	-	-	-	-	1	-	-	-	-	-	1	-
4,000	-	-	-	-	1	-	-	-	-	2	-	1
4,100	1	-	-	4	-	-	-	-	-	-	1	-
4,200	-	-	-	-	-	-	-	-	-	1	1	1
4,300	-	-	-	-	-	1	-	-	-	-	-	-
4,400	1	-	-	-	-	-	-	-	-	-	-	-
4,500	-	-	-	-	-	-	-	-	-	1	-	-
4,600	-	-	-	-	-	-	-	-	1	1	2	-
4,700	-	-	-	-	-	-	-	-	-	-	-	-
4,800	-	-	-	-	-	-	-	-	-	-	-	1
4,900	-	-	-	-	-	-	-	-	-	-	-	-
5,000	1	-	-	-	-	-	-	-	-	-	1	-
5,000+	2	2	2	3	2	2	2	3	2	5	4	2

Bill Frequency Distribution

Residential DG

kWhs Ending in Interval (Net Metered Consumption)

Interval	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
100	4,485	6,904	7,961	6,130	8,445	6,601	5,615	6,418	6,404	3,493	4,245	7,363
200	9,256	15,391	24,250	23,740	22,132	16,426	9,175	12,490	19,187	13,752	12,237	23,449
300	17,277	21,325	31,833	38,811	22,358	17,255	16,348	21,753	36,141	19,686	22,084	43,123
400	19,559	24,900	29,712	46,287	26,873	18,554	19,881	19,187	41,154	35,133	39,263	62,864
500	28,970	18,567	29,602	44,350	23,150	13,541	8,249	19,421	50,184	47,579	55,056	78,925
600	36,425	20,625	26,878	32,608	20,657	8,196	8,815	17,180	46,984	59,062	79,600	80,889
700	28,507	12,939	19,529	42,041	18,846	10,341	8,998	16,767	39,917	79,074	79,338	79,796
800	47,090	18,119	13,304	32,939	13,368	9,750	9,018	13,565	51,848	88,723	96,617	73,017
900	31,615	10,849	14,538	22,980	11,925	5,065	6,759	10,234	51,687	95,226	83,010	82,265
1,000	30,527	8,578	10,523	26,302	7,503	1,925	3,749	2,957	28,275	75,260	89,439	81,409
1,100	27,257	7,294	6,276	26,195	6,299	3,158	2,056	4,237	31,619	92,029	109,250	55,458
1,200	19,570	8,070	9,182	14,969	2,352	3,492	3,456	2,382	31,895	73,781	82,753	50,538
1,300	22,564	2,457	7,421	15,182	9,999	7,546	2,466	5,027	29,880	68,561	63,915	50,035
1,400	12,179	5,452	5,336	10,817	-	1,326	2,761	6,736	36,461	92,039	79,542	33,673
1,500	15,900	1,420	5,948	14,580	7,277	2,894	1,452	2,947	14,583	70,714	63,498	39,129
1,600	12,318	1,579	3,143	9,193	4,675	3,170	3,112	3,115	12,357	71,155	76,197	18,662
1,700	13,327	-	1,601	13,098	3,327	3,333	6,559	3,384	21,269	41,157	67,721	26,626
1,800	7,019	1,710	3,460	5,235	3,467	-	1,710	3,503	12,241	49,112	52,558	15,739
1,900	9,220	-	3,656	1,853	3,688	1,877	-	-	3,624	50,037	37,183	18,386
2,000	7,861	3,833	-	1,987	-	1,955	-	-	5,827	44,891	29,499	17,521
2,100	4,116	-	-	8,194	2,011	2,022	-	-	6,186	38,886	32,756	14,354
2,200	12,852	-	-	4,367	6,409	-	2,181	2,189	4,358	42,781	15,060	6,478
2,300	6,776	2,239	-	6,744	2,215	-	-	-	2,272	13,527	20,273	6,785
2,400	2,385	-	2,395	4,736	-	-	-	-	4,752	18,801	13,945	14,127
2,500	2,456	2,420	2,440	-	2,422	-	-	2,411	2,405	17,050	12,247	4,882
2,600	2,529	-	5,164	7,672	2,584	-	-	-	5,093	10,154	12,730	-
2,700	-	-	-	-	-	-	-	-	2,642	15,863	2,632	5,317
2,800	5,562	2,704	-	2,713	2,726	2,707	-	-	-	-	16,567	2,760
2,900	2,818	-	-	2,867	-	-	-	-	-	5,719	11,441	8,455
3,000	2,972	-	-	5,950	-	-	-	-	-	5,890	11,861	11,849
3,100	3,022	-	-	3,031	-	-	3,033	-	-	6,052	15,205	3,062
3,200	-	-	-	-	-	-	-	-	-	6,254	6,334	3,153
3,300	3,298	-	-	-	-	-	-	-	3,201	9,712	-	3,212
3,400	6,676	-	-	-	-	-	3,360	-	3,315	-	-	3,329
3,500	-	-	-	-	-	-	-	-	3,447	-	10,385	-
3,600	-	-	-	-	3,542	-	-	-	-	3,519	-	3,591
3,700	-	-	-	-	-	-	-	-	3,621	3,665	10,949	-
3,800	-	-	-	-	-	-	-	-	-	3,760	3,711	-
3,900	-	-	-	-	3,891	-	-	-	-	-	3,886	-
4,000	-	-	-	-	3,935	-	-	-	-	7,814	-	3,954
4,100	4,069	-	-	16,151	-	-	-	-	-	-	4,011	-
4,200	-	-	-	-	-	-	-	-	-	4,132	4,135	4,101
4,300	-	-	-	-	-	4,262	-	-	-	-	-	-
4,400	4,381	-	-	-	-	-	-	-	-	-	-	-
4,500	-	-	-	-	-	-	-	-	-	4,426	-	-
4,600	-	-	-	-	-	-	-	-	4,551	4,539	9,140	-
4,700	-	-	-	-	-	-	-	-	-	-	-	-
4,800	-	-	-	-	-	-	-	-	-	-	-	4,717
4,900	-	-	-	-	-	-	-	-	-	-	-	-
5,000	4,965	-	-	-	-	-	-	-	-	-	4,949	-
5,000+	19,291	14,505	13,596	23,315	13,953	12,178	12,357	18,441	17,674	38,683	35,835	19,821

Bill Frequency Distribution
Residential Non-DG
Number of Bills in Interval

Interval	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
100	10,812	17,459	16,513	14,726	16,076	17,112	18,028	16,469	10,489	8,784	9,157	9,471
200	16,086	35,180	26,640	19,240	24,944	33,865	37,132	33,125	15,856	9,230	9,084	12,109
300	25,259	47,743	38,806	28,431	37,797	48,374	49,472	43,798	24,024	14,113	14,187	17,798
400	30,797	47,850	43,400	34,495	43,504	49,047	47,456	42,501	28,735	19,694	19,735	23,167
500	31,663	39,143	39,667	35,175	40,274	40,484	38,465	36,328	29,509	22,715	23,104	25,744
600	29,507	28,120	31,058	31,474	30,800	28,315	27,486	27,764	26,835	23,801	24,338	25,714
700	25,223	19,050	22,708	25,303	22,516	19,121	18,780	20,957	23,044	21,762	22,422	24,032
800	20,938	12,497	15,688	19,756	15,039	12,315	12,247	15,333	19,132	19,002	19,452	21,170
900	17,115	8,103	10,841	14,769	10,998	7,954	7,987	10,997	15,994	16,104	16,722	18,365
1,000	13,890	5,459	7,495	10,872	7,795	5,396	5,309	7,956	13,531	13,504	14,406	15,898
1,100	11,181	3,616	5,266	8,293	5,580	3,486	3,703	5,616	11,521	11,788	12,572	13,836
1,200	8,957	2,506	3,794	6,331	4,144	2,381	2,455	4,017	9,851	10,545	11,152	11,805
1,300	6,964	1,658	2,826	4,944	3,219	1,686	1,734	2,908	8,502	9,559	9,994	10,362
1,400	5,440	1,210	1,953	3,822	2,434	1,207	1,106	1,982	7,157	8,637	9,334	8,422
1,500	4,275	897	1,536	3,058	1,809	861	793	1,384	5,794	8,189	8,363	6,895
1,600	3,390	627	1,162	2,471	1,388	638	636	982	4,874	7,539	7,410	5,714
1,700	2,731	509	832	1,900	1,099	473	431	746	3,992	6,827	6,479	4,711
1,800	2,147	374	664	1,458	872	368	333	540	3,181	6,157	5,865	3,784
1,900	1,648	312	496	1,220	695	281	294	446	2,678	5,358	5,001	3,127
2,000	1,401	186	405	1,010	575	202	183	304	2,214	4,847	4,216	2,511
2,100	1,106	168	328	771	421	161	174	228	1,656	4,194	3,546	1,963
2,200	861	149	270	669	341	151	117	192	1,324	3,562	3,072	1,593
2,300	734	121	209	530	264	108	96	137	1,060	3,119	2,604	1,249
2,400	534	77	148	448	222	97	78	125	886	2,646	2,155	1,052
2,500	512	87	134	399	223	84	48	89	688	2,244	1,761	904
2,600	448	67	92	341	159	56	50	70	542	1,870	1,497	737
2,700	335	57	88	303	124	51	47	57	462	1,464	1,294	607
2,800	273	41	85	244	122	37	38	57	365	1,290	1,006	465
2,900	234	42	63	201	108	35	24	45	290	1,059	879	391
3,000	213	34	48	177	94	35	25	39	274	915	709	364
3,100	163	22	49	144	72	23	26	22	203	761	623	260
3,200	161	18	46	128	53	22	18	19	154	674	548	243
3,300	120	22	37	104	46	23	15	16	155	528	451	205
3,400	119	18	24	94	39	18	14	17	114	439	406	166
3,500	91	13	18	76	40	11	14	12	117	384	330	152
3,600	96	7	17	60	33	11	14	17	75	351	283	127
3,700	71	5	22	50	24	7	9	10	62	257	250	97
3,800	81	7	14	55	18	9	7	16	69	225	193	97
3,900	67	13	12	54	28	3	4	4	50	194	187	75
4,000	53	6	9	47	24	4	8	5	48	180	184	84
4,100	44	9	7	39	11	5	4	11	30	158	109	77
4,200	34	10	8	25	18	4	6	8	32	137	106	66
4,300	29	4	6	32	10	3	2	1	23	95	108	48
4,400	32	7	11	33	8	7	3	4	26	101	84	37
4,500	39	4	5	18	9	8	2	7	23	98	83	37
4,600	23	3	3	16	6	5	1	2	25	90	73	31
4,700	23	2	4	16	5	1	1	3	18	67	47	41
4,800	14	2	3	11	11	2	3	5	14	58	64	24
4,900	13	4	5	18	9	2	6	3	10	53	51	28
5,000	7	4	3	7	6	4	6	2	14	46	43	23
5,000+	201	46	54	157	86	43	39	41	146	455	492	233

Bill Frequency Distribution
Residential Non-DG
kWhs Ending in Interval

Interval	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
100	474,845	903,346	806,471	677,000	778,297	885,198	955,784	866,769	481,830	365,434	380,822	408,055
200	2,504,026	5,461,409	4,128,235	2,972,583	3,872,340	5,259,684	5,748,895	5,116,047	2,461,540	1,418,533	1,396,822	1,876,003
300	6,388,698	11,997,522	9,796,891	7,194,093	9,554,891	12,177,899	12,432,374	11,000,932	6,076,105	3,582,031	3,599,752	4,503,092
400	10,814,077	16,730,119	15,206,502	12,120,511	15,252,947	17,142,547	16,588,791	14,862,021	10,095,330	6,941,210	6,962,943	8,152,805
500	14,260,822	17,539,196	17,806,054	15,838,665	18,087,437	18,139,937	17,229,714	16,298,396	13,286,257	10,244,638	10,428,850	11,612,130
600	16,210,996	15,394,979	17,014,908	17,283,752	16,881,289	15,487,023	15,040,925	15,214,798	14,741,763	13,096,923	13,395,129	14,146,444
700	16,378,522	12,322,026	14,703,309	16,410,829	14,577,171	12,370,756	12,153,836	13,577,803	14,954,126	14,134,134	14,558,309	15,611,851
800	15,681,263	9,329,773	11,721,460	14,776,442	11,241,820	9,197,132	9,157,734	11,465,718	14,322,834	14,232,986	14,573,978	15,869,326
900	14,528,676	6,861,194	9,187,145	12,529,133	9,325,450	6,738,516	6,765,089	9,320,825	13,579,112	13,672,918	14,192,553	15,594,045
1,000	13,177,437	5,168,196	7,108,357	10,302,500	7,389,368	5,111,515	5,025,708	7,539,634	12,842,685	12,820,070	13,677,809	15,087,786
1,100	11,721,774	3,789,650	5,515,425	8,691,286	5,846,845	3,647,764	3,876,842	5,886,838	12,085,136	12,376,464	13,193,175	14,511,246
1,200	10,285,760	2,878,219	4,352,993	7,270,832	4,755,987	2,735,101	2,819,209	4,609,881	11,319,681	12,124,459	12,824,548	13,568,086
1,300	8,700,902	2,069,564	3,528,045	6,171,769	4,018,532	2,102,800	2,163,493	3,630,817	10,621,922	11,947,938	12,486,573	12,945,663
1,400	7,334,098	1,629,925	2,631,609	5,152,367	3,280,527	1,627,822	1,490,431	2,671,509	9,658,691	11,658,762	12,591,132	11,358,506
1,500	6,189,966	1,298,168	2,223,576	4,430,933	2,618,451	1,246,266	1,146,655	2,003,144	8,397,699	11,873,194	12,123,480	9,994,864
1,600	5,251,262	969,689	1,798,379	3,826,897	2,148,737	988,106	983,300	1,518,442	7,548,354	11,685,714	11,485,118	8,847,199
1,700	4,500,878	839,120	1,372,328	3,133,342	1,812,417	780,693	711,027	1,229,309	6,581,669	11,259,586	10,686,339	7,770,451
1,800	3,755,402	654,602	1,159,949	2,549,926	1,524,903	643,319	582,246	944,606	5,567,522	10,773,967	10,259,731	6,616,344
1,900	3,044,372	576,540	916,742	2,255,865	1,286,109	519,021	543,416	824,357	4,951,810	9,916,023	9,249,772	5,780,010
2,000	2,729,957	362,776	788,630	1,968,940	1,120,590	393,723	356,803	591,796	4,315,091	9,449,511	8,218,021	4,895,464
2,100	2,264,886	344,106	672,100	1,578,730	863,485	330,312	356,377	466,843	3,393,088	8,592,844	7,265,649	4,023,596
2,200	1,850,688	319,869	579,976	1,436,769	733,455	324,689	251,805	412,442	2,845,242	7,655,968	6,597,869	3,423,979
2,300	1,649,299	271,220	469,919	1,192,157	593,906	242,669	216,174	308,461	2,381,882	7,013,442	5,858,805	2,808,954
2,400	1,253,454	180,865	347,760	1,052,631	521,097	227,780	182,962	293,688	2,080,108	6,214,023	5,065,227	2,471,546
2,500	1,253,729	212,844	328,763	976,679	546,378	205,828	117,660	218,011	1,685,460	5,495,776	4,313,600	2,213,975
2,600	1,142,025	171,090	234,704	869,026	405,207	142,705	127,327	178,507	1,382,021	4,784,857	3,817,714	1,879,817
2,700	887,154	151,392	232,798	802,747	328,368	135,269	124,391	150,925	1,223,997	3,877,819	3,429,752	1,609,526
2,800	750,044	112,718	233,135	671,373	335,269	101,653	104,042	156,741	1,002,941	3,546,071	2,765,857	1,278,177
2,900	666,050	119,958	179,608	572,956	308,076	99,661	68,290	128,249	825,880	3,016,632	2,503,387	1,114,441
3,000	628,457	100,375	141,306	521,622	277,465	103,118	73,536	114,713	807,618	2,699,629	2,090,725	1,072,611
3,100	496,573	66,881	149,371	438,417	219,391	70,073	79,073	67,113	618,988	2,319,239	1,898,498	792,826
3,200	507,393	56,707	144,844	403,408	167,017	69,268	56,820	59,888	485,104	2,122,873	1,725,007	765,228
3,300	390,001	71,488	120,333	337,861	149,302	74,997	48,708	52,008	503,203	1,715,592	1,464,414	665,749
3,400	397,971	60,349	80,502	314,881	130,655	60,365	46,927	56,896	381,866	1,469,794	1,358,745	555,518
3,500	313,887	44,950	62,098	262,107	137,588	37,996	48,493	41,334	403,765	1,325,054	1,138,099	524,663
3,600	340,922	24,872	60,421	212,939	117,117	38,929	49,688	60,204	266,040	1,245,687	1,005,074	450,970
3,700	258,685	18,188	80,459	182,351	87,466	25,572	32,815	36,422	226,232	937,800	912,401	353,272
3,800	303,962	26,267	52,482	205,862	67,493	33,912	26,346	60,071	258,708	842,974	723,367	363,390
3,900	257,598	50,010	46,145	207,623	107,739	11,522	15,336	15,384	192,706	747,157	719,468	288,707
4,000	209,246	23,634	35,493	185,358	94,709	15,863	31,594	19,808	189,399	711,375	726,651	331,625
4,100	178,033	36,547	28,403	157,901	44,503	20,233	16,271	44,607	121,748	639,341	441,235	311,300
4,200	141,160	41,507	33,289	103,808	74,787	16,586	24,857	33,298	132,805	568,186	439,875	273,764
4,300	123,242	17,029	25,400	136,020	42,551	12,748	8,561	4,240	97,762	403,938	458,486	204,098
4,400	139,384	30,512	47,818	143,529	34,842	30,496	13,119	17,432	113,226	439,237	365,633	161,194
4,500	173,363	17,759	22,168	80,149	39,940	35,621	8,877	31,160	102,422	436,069	369,307	164,506
4,600	104,880	13,745	13,661	72,915	27,251	22,755	4,501	9,132	113,839	409,396	332,197	141,153
4,700	107,141	9,282	18,525	74,582	23,238	4,662	4,638	13,980	83,426	311,598	218,371	190,425
4,800	66,519	9,530	14,279	52,270	52,097	9,598	14,234	23,748	66,517	275,475	303,839	114,176
4,900	83,047	19,357	24,226	87,340	43,565	9,691	29,132	14,515	48,568	256,956	247,459	135,593
5,000	34,640	19,806	14,923	34,665	29,758	19,871	29,812	9,916	69,067	227,709	213,269	114,118
5,000+	1,419,219	326,447	384,304	1,127,523	621,779	319,721	279,753	316,962	989,687	3,001,004	3,242,742	1,605,030

Bill Frequency Distribution
All Residential
Number of Bills in Interval

Interval	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
100	10,975	17,935	16,935	14,967	16,793	18,089	19,174	17,575	11,080	8,961	9,323	9,766
200	16,150	35,285	26,805	19,400	25,092	33,978	37,194	33,213	15,984	9,322	9,165	12,260
300	25,328	47,830	38,932	28,585	37,889	48,444	49,539	43,885	24,169	14,191	14,276	17,971
400	30,853	47,921	43,486	34,628	43,581	49,100	47,513	42,555	28,853	19,793	19,849	23,346
500	31,726	39,185	39,733	35,273	40,326	40,514	38,484	36,372	29,621	22,820	23,225	25,919
600	29,573	28,157	31,107	31,533	30,838	28,330	27,502	27,796	26,921	23,909	24,483	25,862
700	25,267	19,070	22,738	25,368	22,545	19,137	18,794	20,983	23,105	21,884	22,544	24,155
800	21,001	12,521	15,706	19,800	15,057	12,328	12,259	15,351	19,201	19,120	19,581	21,267
900	17,152	8,116	10,858	14,796	11,012	7,960	7,995	11,009	16,055	16,216	16,820	18,462
1,000	13,922	5,468	7,506	10,900	7,803	5,398	5,313	7,959	13,561	13,584	14,500	15,984
1,100	11,207	3,623	5,272	8,318	5,586	3,489	3,705	5,620	11,551	11,876	12,676	13,889
1,200	8,974	2,513	3,802	6,344	4,146	2,384	2,458	4,019	9,879	10,609	11,224	11,849
1,300	6,982	1,660	2,832	4,956	3,227	1,692	1,736	2,912	8,526	9,614	10,045	10,402
1,400	5,449	1,214	1,957	3,830	2,434	1,208	1,108	1,987	7,184	8,705	9,393	8,447
1,500	4,286	898	1,540	3,068	1,814	863	794	1,386	5,804	8,238	8,407	6,922
1,600	3,398	628	1,164	2,477	1,391	640	638	984	4,882	7,585	7,459	5,726
1,700	2,739	509	833	1,908	1,101	475	435	748	4,005	6,852	6,520	4,727
1,800	2,151	375	666	1,461	874	368	334	542	3,188	6,185	5,895	3,793
1,900	1,653	312	498	1,221	697	282	294	446	2,680	5,385	5,021	3,137
2,000	1,405	188	405	1,011	575	203	183	304	2,217	4,870	4,231	2,520
2,100	1,108	168	328	775	422	162	174	228	1,659	4,213	3,562	1,970
2,200	867	149	270	671	344	151	118	193	1,326	3,582	3,079	1,596
2,300	737	122	209	533	265	108	96	137	1,061	3,125	2,613	1,252
2,400	535	77	149	450	222	97	78	125	888	2,654	2,161	1,058
2,500	513	88	135	399	224	84	48	90	689	2,251	1,766	906
2,600	449	67	94	344	160	56	50	70	544	1,874	1,502	737
2,700	335	57	88	303	124	51	47	57	463	1,470	1,295	609
2,800	275	42	85	245	123	38	38	57	365	1,290	1,012	466
2,900	235	42	63	202	108	35	24	45	290	1,061	883	394
3,000	214	34	48	179	94	35	25	39	274	917	713	368
3,100	164	22	49	145	72	23	27	22	203	763	628	261
3,200	161	18	46	128	53	22	18	19	154	676	550	244
3,300	121	22	37	104	46	23	15	16	156	531	451	206
3,400	121	18	24	94	39	18	15	17	115	439	406	167
3,500	91	13	18	76	40	11	14	12	118	384	333	152
3,600	96	7	17	60	34	11	14	17	75	352	283	128
3,700	71	5	22	50	24	7	9	10	63	258	253	97
3,800	81	7	14	55	18	9	7	16	69	226	194	97
3,900	67	13	12	54	29	3	4	4	50	194	188	75
4,000	53	6	9	47	25	4	8	5	48	182	184	85
4,100	45	9	7	43	11	5	4	11	30	158	110	77
4,200	34	10	8	25	18	4	6	8	32	138	107	67
4,300	29	4	6	32	10	4	2	1	23	95	108	48
4,400	33	7	11	33	8	7	3	4	26	101	84	37
4,500	39	4	5	18	9	8	2	7	23	99	83	37
4,600	23	3	3	16	6	5	1	2	26	91	75	31
4,700	23	2	4	16	5	1	1	3	18	67	47	41
4,800	14	2	3	11	11	2	3	5	14	58	64	25
4,900	13	4	5	18	9	2	6	3	10	53	51	28
5,000	8	4	3	7	6	4	6	2	14	46	44	23
5,000+	203	48	56	160	88	45	41	44	148	460	496	235

Bill Frequency Distribution

All Residential

kWhs Ending in Interval

Interval	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
100	479,330	910,250	814,432	683,130	786,742	891,799	961,399	873,187	488,234	368,927	385,067	415,418
200	2,513,282	5,476,800	4,152,485	2,996,323	3,894,472	5,276,110	5,758,070	5,128,537	2,480,727	1,432,285	1,409,059	1,899,452
300	6,405,975	12,018,847	9,828,724	7,232,904	9,577,249	12,195,154	12,448,722	11,022,885	6,112,246	3,601,717	3,621,836	4,546,215
400	10,833,636	16,755,019	15,236,214	12,166,798	15,279,820	17,161,101	16,608,672	14,881,208	10,136,484	6,976,343	7,002,206	8,215,669
500	14,289,792	17,557,763	17,835,656	15,883,015	18,110,587	18,153,478	17,237,963	16,317,817	13,336,441	10,292,217	10,483,906	11,691,055
600	16,247,421	15,415,604	17,041,786	17,316,360	16,901,946	15,495,219	15,049,740	15,231,978	14,788,747	13,155,985	13,474,729	14,227,333
700	16,407,029	12,334,965	14,722,838	16,452,870	14,596,017	12,381,097	12,162,834	13,594,570	14,994,043	14,213,208	14,637,647	15,691,647
800	15,728,353	9,347,892	11,734,764	14,809,381	11,255,188	9,206,882	9,166,752	11,479,283	14,374,682	14,321,709	14,670,595	15,942,343
900	14,560,291	6,872,043	9,201,683	12,552,113	9,337,375	6,743,581	6,771,848	9,331,059	13,630,799	13,768,144	14,275,563	15,676,310
1,000	13,207,964	5,176,774	7,118,880	10,328,802	7,396,871	5,113,440	5,029,457	7,542,591	12,870,960	12,895,330	13,767,248	15,169,195
1,100	11,749,031	3,796,944	5,521,701	8,717,481	5,853,144	3,650,922	3,878,898	5,891,075	12,116,755	12,468,493	13,302,425	14,566,704
1,200	10,305,330	2,886,289	4,362,175	7,285,801	4,758,339	2,738,593	2,822,665	4,612,263	11,351,576	12,198,240	12,907,301	13,618,624
1,300	8,723,466	2,072,021	3,535,466	6,186,951	4,028,531	2,110,346	2,165,959	3,635,844	10,651,802	12,016,499	12,550,488	12,995,698
1,400	7,346,277	1,635,377	2,636,945	5,163,184	3,280,527	1,629,148	1,493,192	2,678,245	9,695,152	11,750,801	12,670,674	11,392,179
1,500	6,205,866	1,299,588	2,229,524	4,445,513	2,625,728	1,249,160	1,148,107	2,006,091	8,412,282	11,943,908	12,186,978	10,033,993
1,600	5,263,580	971,268	1,801,522	3,835,890	2,153,412	991,276	986,412	1,521,557	7,560,711	11,756,869	11,561,315	8,865,861
1,700	4,514,205	839,120	1,373,929	3,146,440	1,815,744	784,026	717,586	1,232,693	6,602,938	11,300,743	10,754,060	7,797,077
1,800	3,762,421	656,312	1,163,409	2,555,161	1,528,370	643,319	583,956	948,109	5,579,763	10,823,079	10,312,289	6,632,083
1,900	3,053,592	576,540	920,398	2,257,718	1,289,797	520,898	543,416	824,357	4,955,434	9,966,060	9,286,955	5,798,396
2,000	2,737,818	366,609	788,630	1,970,927	1,120,590	395,678	356,803	591,796	4,320,918	9,494,402	8,247,520	4,912,985
2,100	2,269,002	344,106	672,100	1,586,924	865,496	332,334	356,377	466,843	3,399,274	8,631,730	7,298,405	4,037,950
2,200	1,863,540	319,869	579,976	1,441,136	739,864	324,689	253,986	414,631	2,849,600	7,698,749	6,612,929	3,430,457
2,300	1,656,075	273,459	469,919	1,198,901	596,121	242,669	216,174	308,461	2,384,154	7,026,969	5,879,078	2,815,739
2,400	1,255,839	180,865	350,155	1,057,367	521,097	227,780	182,962	293,688	2,084,860	6,232,824	5,079,172	2,485,673
2,500	1,256,185	215,264	331,203	976,679	548,800	205,828	117,660	220,422	1,687,865	5,512,828	4,325,847	2,218,857
2,600	1,144,554	171,090	239,868	876,698	407,791	142,705	127,327	178,507	1,387,114	4,775,011	3,830,444	1,879,817
2,700	887,154	151,392	232,798	802,747	328,368	135,269	124,391	150,925	1,226,639	3,893,682	3,432,384	1,614,843
2,800	755,606	115,422	233,135	674,086	337,995	104,360	104,042	156,741	1,002,941	3,546,071	2,782,424	1,280,937
2,900	668,868	119,958	179,608	575,823	308,076	99,661	68,290	128,249	825,880	3,022,351	2,514,828	1,122,896
3,000	631,429	100,375	141,306	527,572	277,465	103,118	73,536	114,713	807,618	2,705,519	2,102,586	1,084,460
3,100	499,595	66,881	149,371	441,448	219,391	70,073	82,106	67,113	618,988	2,325,291	1,913,703	795,888
3,200	507,393	56,707	144,844	403,408	167,017	69,268	56,820	59,888	485,104	2,129,127	1,731,341	768,381
3,300	393,299	71,488	120,333	337,861	149,302	74,997	48,708	52,008	506,404	1,725,304	1,464,414	668,961
3,400	404,647	60,349	80,502	314,881	130,655	60,365	50,287	56,896	385,181	1,469,794	1,358,745	558,847
3,500	313,887	44,950	62,098	262,107	137,588	37,996	48,493	41,334	407,212	1,325,054	1,148,484	524,663
3,600	340,922	24,872	60,421	212,939	120,659	38,929	49,688	60,204	266,040	1,249,206	1,005,074	454,561
3,700	258,685	18,188	80,459	182,351	87,466	25,572	32,815	36,422	229,853	941,465	923,350	353,272
3,800	303,962	26,267	52,482	205,862	67,493	33,912	26,346	60,071	258,708	846,734	727,078	363,390
3,900	257,598	50,010	46,145	207,623	111,630	11,522	15,336	15,384	192,706	747,157	723,354	288,707
4,000	209,246	23,634	35,493	185,358	98,644	15,863	31,594	19,808	189,399	719,189	726,651	335,579
4,100	182,102	36,547	28,403	174,052	44,503	20,233	16,271	44,607	121,748	639,341	445,246	311,300
4,200	141,160	41,507	33,289	103,808	74,787	16,586	24,857	33,298	132,805	572,318	443,810	277,865
4,300	123,242	17,029	25,400	136,020	42,551	17,010	8,561	4,240	97,762	403,938	458,466	204,098
4,400	143,765	30,512	47,818	143,529	34,842	30,496	13,119	17,432	113,226	439,237	385,633	161,194
4,500	173,363	17,759	22,168	80,149	39,940	35,621	8,877	31,160	102,422	440,495	369,307	164,506
4,600	104,880	13,745	13,661	72,915	27,251	22,755	4,501	9,132	118,390	413,935	341,337	141,153
4,700	107,141	9,282	18,525	74,582	23,238	4,662	4,638	13,980	83,426	311,598	218,371	190,425
4,800	66,519	9,530	14,279	52,270	52,097	9,598	14,234	23,748	66,517	275,475	303,839	118,893
4,900	63,047	19,357	24,226	87,340	43,565	9,691	29,132	14,515	48,568	256,956	247,459	135,593
5,000	39,605	19,806	14,923	34,665	29,758	19,871	29,812	9,916	69,067	227,709	218,218	114,118
5,000+	1,438,510	340,952	397,900	1,150,838	635,732	331,899	292,110	335,403	1,007,361	3,039,687	3,278,577	1,624,851

SOAH DOCKET NO. 473-17-2686
PUC DOCKET NO. 46831

APPLICATION OF EL PASO § BEFORE THE STATE OFFICE
ELECTRIC COMPANY TO § OF
CHANGE RATES § ADMINISTRATIVE HEARINGS

EL PASO ELECTRIC COMPANY'S RESPONSE TO
OFFICE OF PUBLIC UTILITY COUNSEL'S FIFTH REQUEST FOR INFORMATION
QUESTION NOS. OPUC 5-1 THROUGH OPUC 5-14

OPUC 5-14:

Please provide a bill frequency distribution for all residential customers including those with DG on a monthly basis (i.e., number of bills and numbers of kWh in ranges of 100 kWh in each month up to 1000 kWh and larger ranges above 1000 kWh).

RESPONSE:

Please see OPUC 5-13, Attachment 1, pages 5 and 6.

Preparer: Manuel Carrasco

Title: Supervisor-Rates & Regulatory Affairs

Sponsor: Manuel Carrasco

Title: Supervisor-Rates & Regulatory Affairs