

EL PASO NATURAL GAS COMPANY		Mileage	COS Credit for Discounts	
DOCKET NO. RP05-422 RATE DESIGN WORKING GROUP		Case 1	1 Exclude	positive miles for counter flow
CURRENT ZONE OF DELIVERY		Case 2	2 Exclude	zero miles for counter flow
		Case 3	3 Exclude	negative miles for counter flow
		Case 4	4 Exclude	shipper mileage
Case 3		Case 5	1 Include	positive miles for counter flow
negative miles for counter flow		Case 6	2 Include	zero miles for counter flow
Total COS	\$600,000,000	Case 7	3 Include	negative miles for counter flow
Usage	\$(20,000,000)	Case 8	4 Include	shipper mileage applied
ITS/STF/PAL/ISS/IHSW	\$(8,000,000)			
Incremental Systems	\$(10,000,000)			
Discounted LTF	\$-			
Net Allocable Res Dollars	\$562,000,000	Modeled	3 Exclude	

		Allocation Factors		Allocated \$'s			Mileage		Modeled		Case 3	
		Premium	Non-Mileage	Mileage	Non-Mileage	25%	75%	TOTAL	Daily Reservation Rates			
		Percentage	25%	75%	\$ 140,500,000	\$	\$ 421,500,000	\$ 562,000,000	Non-Mileage	Mileage	TOTAL	
FT-1/FT-2												
Unsubscribed Capacity	CA	918,646	100%	656	918,646	602,800,922	\$ 24,534,000	\$ 78,260,713	\$ 102,794,713	\$ 0.0732	\$ 0.2334	\$ 0.3066
	WB	294,269	100%	49	294,269	14,458,351	\$ 7,858,943	\$ 1,877,105	\$ 9,736,049	\$ 0.0732	\$ 0.0175	\$ 0.0906
	TX	593,326	100%	512	593,326	303,908,046	\$ 15,845,776	\$ 39,455,912	\$ 55,301,689	\$ 0.0732	\$ 0.1822	\$ 0.2554
	NM	167,633	100%	446	167,633	74,810,202	\$ 4,476,924	\$ 9,712,493	\$ 14,189,417	\$ 0.0732	\$ 0.1587	\$ 0.2319
	AZ	905,708	100%	631	905,708	571,833,459	\$ 24,188,469	\$ 74,240,255	\$ 98,428,724	\$ 0.0732	\$ 0.2246	\$ 0.2977
	NV	429	100%	582	429	249,850	\$ 11,457	\$ 32,438	\$ 43,895	\$ 0.0732	\$ 0.2072	\$ 0.2803
	CA	1,594,685	100%	656	1,594,685	1,046,406,726	\$ 42,588,758	\$ 135,853,370	\$ 178,442,128	\$ 0.0732	\$ 0.2334	\$ 0.3066
	Total	4,474,697		4,474,697	2,614,467,555	119,504,329	\$ 339,432,286	\$ 458,936,615	\$ 0.0732	\$ 0.2078	\$ 0.2810	
FT-H3												
	WB	1	110%	49	1	54	\$ 27	\$ 7	\$ 34	\$ 0.0732	\$ 0.0192	\$ 0.0924
	TX	12,358	110%	512	12,358	6,962,844	\$ 330,039	\$ 903,975	\$ 1,234,014	\$ 0.0732	\$ 0.2004	\$ 0.2736
	NM	1	110%	446	1	491	\$ 27	\$ 64	\$ 90	\$ 0.0732	\$ 0.1746	\$ 0.2478
	AZ	102,749	110%	631	102,749	71,359,391	\$ 2,744,083	\$ 9,264,480	\$ 12,008,563	\$ 0.0732	\$ 0.2470	\$ 0.3202
	NV	1	110%	582	1	641	\$ 27	\$ 83	\$ 110	\$ 0.0732	\$ 0.2279	\$ 0.3010
	Max	115,110		115,110	78,323,420	3,074,202	\$ 10,168,609	\$ 13,242,811				
FT-H12												
	WB	1	117%	49	1	57	\$ 27	\$ 7	\$ 34	\$ 0.0732	\$ 0.0204	\$ 0.0936
	TX	1	117%	512	1	598	\$ 27	\$ 78	\$ 104	\$ 0.0732	\$ 0.2126	\$ 0.2857
	NM	39,167	117%	446	39,167	20,392,219	\$ 1,046,012	\$ 2,647,490	\$ 3,693,502	\$ 0.0732	\$ 0.1852	\$ 0.2584
	AZ	338,231	117%	631	338,231	249,138,817	\$ 9,033,030	\$ 32,345,308	\$ 41,378,338	\$ 0.0732	\$ 0.2620	\$ 0.3352
	NV	1	117%	582	1	679	\$ 27	\$ 88	\$ 115	\$ 0.0732	\$ 0.2417	\$ 0.3149
	Max	377,401		377,401	269,532,371	10,079,122	\$ 34,992,972	\$ 45,072,093				
FT-H16												
	WB	1	125%	49	1	61	\$ 27	\$ 8	\$ 35	\$ 0.0732	\$ 0.0218	\$ 0.0950
	TX	89,738	125%	512	89,738	57,456,175	\$ 2,396,614	\$ 7,459,446	\$ 9,856,060	\$ 0.0732	\$ 0.2277	\$ 0.3009
	NM	1	125%	446	1	558	\$ 27	\$ 72	\$ 99	\$ 0.0732	\$ 0.1984	\$ 0.2716
	AZ	58,333	125%	631	58,333	46,037,105	\$ 1,557,890	\$ 5,976,926	\$ 7,534,816	\$ 0.0732	\$ 0.2807	\$ 0.3539
	NV	1	125%	582	1	728	\$ 27	\$ 95	\$ 121	\$ 0.0732	\$ 0.2589	\$ 0.3321
	CA	1	125%	656	1	820	\$ 27	\$ 106	\$ 133	\$ 0.0732	\$ 0.2918	\$ 0.3649
	Max	148,076		148,076	103,495,447	3,954,611	\$ 13,436,654	\$ 17,391,265				
FT-H8												
	WB	1	200%	49	1	98	\$ 27	\$ 13	\$ 39	\$ 0.0732	\$ 0.0350	\$ 0.1081
	TX	12,771	200%	512	12,771	13,082,716	\$ 341,067	\$ 1,698,509	\$ 2,039,576	\$ 0.0732	\$ 0.3644	\$ 0.4376
	NM	1	200%	446	1	893	\$ 27	\$ 116	\$ 143	\$ 0.0732	\$ 0.3175	\$ 0.3906
	AZ	132,797	200%	631	132,797	167,686,814	\$ 3,546,563	\$ 21,770,520	\$ 25,317,084	\$ 0.0732	\$ 0.4491	\$ 0.5223
	NV	1	200%	582	1	1,165	\$ 27	\$ 151	\$ 178	\$ 0.0732	\$ 0.4143	\$ 0.4875
	CA	1	200%	656	1	1,312	\$ 27	\$ 170	\$ 197	\$ 0.0732	\$ 0.4668	\$ 0.5400
	Max	145,572		145,572	180,772,999	3,887,737	\$ 23,469,479	\$ 27,357,216				
		5,260,855		5,260,855	3,246,591,792	\$ 140,500,000	\$ 421,500,000	\$ 562,000,000				
Disc Res Rev												
\$	-	WB	-									
\$	-	TX	-									
\$	-	AZ	-									
\$	-	CA	-									
\$	-	Disc	-									
Total LTF C		5,260,855										

EL PASO NATURAL GAS COMPANY
 DOCKET NO. RP05-422 RATE DESIGN WORKING GROUP
 ZONE MATRIX CASES

Case 26		
zero miles for counter flow		
Total COS	\$	600,000,000
Usage	\$	(20,000,000)
ITS/STF/PAL/ISS/IHSW	\$	(8,000,000)
Incremental Systems	\$	(10,000,000)
Discounted LTF	\$	-
Net Allocable Res Dollars	\$	562,000,000

	Mileage	COS Credit for Discounts	
Case 25		25 Exclude	positive miles for counter flow
Case 26		26 Exclude	zero miles for counter flow
Case 27		27 Exclude	negative miles net for counter flow
Case 28		28 Include	positive miles for counter flow
Case 29		29 Include	zero miles for counter flow
Case 30		30 Include	negative miles net for counter flow

		Modeled	26 Exclude	Modeled Case 26
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		Billing Determinants	Premium Percentage Miles	Allocation Factors		Allocated \$'s	Mileage	75% TOTAL	Daily Rate			
				Non-Mileage	Mileage	Non-Mileage	Mileage					
				25%		75%	25%	\$ 140,500,000	\$ 421,500,000			
								\$ 562,000,000				
FT-1/FT-2	Non-Mileage	4,474,697	Non-Mileage	4,474,697	100%	221	4,474,697	\$ 119,504,647	\$ 421,500,000	\$ 562,000,000	\$ 0.0732	
		NE	2,417,763	100%	413	221	534,521,648	\$ -	\$ 71,229,695	\$ 119,504,647	\$ 0.0807	
		NW	1,940,662	100%	167	413	801,813,228	\$ -	\$ 106,848,641	\$ 106,848,641	\$ 0.1508	
		SW	2,377,649	100%	374	167	396,130,465	\$ -	\$ 52,787,857	\$ 52,787,857	\$ 0.0608	
		SE	2,131,493	100%	73	374	797,339,560	\$ -	\$ 106,252,486	\$ 106,252,486	\$ 0.1366	
		S-WB	168,011	100%	21	73	12,289,168	\$ -	\$ 1,637,639	\$ 1,637,639	\$ 0.0267	
		P-WB	100,183	100%	1	21	2,077,920	\$ -	\$ 276,901	\$ 276,901	\$ 0.0076	
		A-WB	1	100%	1	1	1	\$ -	\$ 0	\$ 0	\$ 0.0004	
		Total	13,610,459			1	4,474,697	2,544,171,990	119,504,647	339,033,219	458,537,866	0.0923
FT-H3	Non-Mileage	115,107	Non-Mileage	115,107	110%	221	115,107	\$ 3,074,130	\$ 421,500,000	\$ 562,000,000	\$ 0.0732	
		NE	38,236	110%	413	221	9,298,665	\$ -	\$ 1,239,129	\$ 1,239,129	\$ 0.0888	
		NW	39,162	110%	167	413	17,798,316	\$ -	\$ 2,371,782	\$ 2,371,782	\$ 0.1659	
		SW	103,855	110%	374	167	19,033,176	\$ -	\$ 2,536,338	\$ 2,536,338	\$ 0.0669	
		SE	82,336	110%	73	374	33,879,877	\$ -	\$ 4,514,791	\$ 4,514,791	\$ 0.1502	
		S-WB	1	110%	21	73	80	\$ -	\$ 11	\$ 11	\$ 0.0294	
		P-WB	1	110%	1	21	23	\$ -	\$ 3	\$ 3	\$ 0.0083	
		A-WB	1	110%	1	1	1	\$ -	\$ 0	\$ 0	\$ 0.0004	
		Max	378,699			1	115,107	80,010,138	3,074,130	10,662,052	13,736,183	0.0994
FT-H12	Non-Mileage	377,398	Non-Mileage	377,398	117%	221	377,398	\$ 10,079,068	\$ 421,500,000	\$ 562,000,000	\$ 0.0732	
		NE	104,233	117%	413	221	26,884,563	\$ -	\$ 3,582,604	\$ 3,582,604	\$ 0.0942	
		NW	99,832	117%	167	413	48,121,569	\$ -	\$ 6,412,621	\$ 6,412,621	\$ 0.1760	
		SW	339,231	117%	374	167	65,743,173	\$ -	\$ 8,760,854	\$ 8,760,854	\$ 0.0710	
		SE	262,299	117%	73	374	114,473,003	\$ -	\$ 15,254,531	\$ 15,254,531	\$ 0.1593	
		S-WB	1	117%	21	73	85	\$ -	\$ 11	\$ 11	\$ 0.0312	
		P-WB	1	117%	1	21	24	\$ -	\$ 3	\$ 3	\$ 0.0088	
		A-WB	1	117%	1	1	1	\$ -	\$ 0	\$ 0	\$ 0.0004	
		Max	1,181,996			1	377,398	255,222,420	10,079,068	34,010,625	44,089,693	0.1022
FT-H16	Non-Mileage	148,072	Non-Mileage	148,072	125%	221	148,072	\$ 3,954,514	\$ 421,500,000	\$ 562,000,000	\$ 0.0732	
		NE	52,316	125%	413	221	14,457,462	\$ -	\$ 1,926,583	\$ 1,926,583	\$ 0.1009	
		NW	41,457	125%	167	413	21,410,539	\$ -	\$ 2,853,142	\$ 2,853,142	\$ 0.1886	
		SW	75,166	125%	374	167	15,653,860	\$ -	\$ 2,086,014	\$ 2,086,014	\$ 0.0760	
		SE	123,448	125%	73	374	57,723,410	\$ -	\$ 7,692,150	\$ 7,692,150	\$ 0.1707	
		S-WB	1	125%	21	73	91	\$ -	\$ 12	\$ 12	\$ 0.0334	
		P-WB	1	125%	1	21	26	\$ -	\$ 3	\$ 3	\$ 0.0095	
		A-WB	1	125%	1	1	1	\$ -	\$ 0	\$ 0	\$ 0.0005	
		Max	440,460			1	148,072	109,245,390	3,954,514	14,557,906	18,512,420	0.1151
FT-H8	Non-Mileage	145,568	Non-Mileage	145,568	200%	221	145,568	\$ 3,887,640	\$ 421,500,000	\$ 562,000,000	\$ 0.0732	
		NE	48,423	200%	413	221	21,410,859	\$ -	\$ 2,853,185	\$ 2,853,185	\$ 0.1614	
		NW	47,860	200%	167	413	39,548,470	\$ -	\$ 5,270,180	\$ 5,270,180	\$ 0.3017	
		SW	130,630	200%	374	167	43,527,300	\$ -	\$ 5,800,394	\$ 5,800,394	\$ 0.1217	
		SE	93,407	200%	73	374	69,882,184	\$ -	\$ 9,312,414	\$ 9,312,414	\$ 0.2731	
		S-WB	1	200%	21	73	146	\$ -	\$ 19	\$ 19	\$ 0.0534	
		P-WB	1	200%	1	21	41	\$ -	\$ 6	\$ 6	\$ 0.0151	
		A-WB	1	200%	1	1	2	\$ -	\$ 0	\$ 0	\$ 0.0007	
		Max	465,890			1	145,568	174,369,003	3,887,640	23,236,198	27,123,839	0.1595
		5,260,841	16,077,504				5,260,841	3,163,018,939	140,500,000	421,500,000	562,000,000	

Disc Res Rev	-	Non-Mileage	-
\$	-	NE	-
\$	-	NW	-
\$	-	SW	-
\$	-	SE	-
\$	-	S-WB	-
\$	-	P-WB	-
\$	-	A-WB	-
\$	-	- Disc	-

Total LTF Contracts 5,260,841 16,077,504

EL PASO NATURAL GAS COMPANY		Mileage	COS Credit	
DOCKET NO. RP05-422 RATE DESIGN WORKING GROUP			for Discounts	
ZONE MATRIX CASES		Case 25	25 Exclude	positive miles for counter flow
		Case 26	26 Exclude	zero miles for counter flow
		Case 27	27 Exclude	negative miles net for counter flow
		Case 28	28 Include	positive miles for counter flow
		Case 29	29 Include	zero miles for counter flow
		Case 30	30 Include	negative miles net for counter flow
Case 27		Modeled	27 Exclude	
negative miles net for counter flow				
Total COS	\$ 600,000,000			
Usage	\$ (20,000,000)			
ITS/STF/PAL/ISS/IHSW	\$ (8,000,000)			
Incremental Systems	\$ (10,000,000)			
Discounted LTF	\$ -			
Net Allocable Res Dollars	\$ 562,000,000			

	Billing Determinants	Premium Percentage Miles	Allocation Factors		Allocated \$'s		Mileage	75% TOTAL	Modeled Case 27		
			Non-Mileage	Mileage	Non-Mileage	Mileage					
FT-1/FT-2											
Non-Mileage											
	4,474,697	Non-Mileage	4,474,697	100%	221	4,474,697	\$ 119,504,647	\$ 421,500,000	\$ 562,000,000	Daily Rate	
		NE	2,417,763	100%	221	534,521,648	\$ -	\$ 71,229,695	\$ 71,229,695	\$ 0.0807	
		NW	1,940,662	100%	413	801,813,228	\$ -	\$ 106,848,641	\$ 106,848,641	\$ 0.1508	
		SW	2,377,649	100%	167	396,130,465	\$ -	\$ 52,787,857	\$ 52,787,857	\$ 0.0608	
		SE	2,131,493	100%	374	797,339,560	\$ -	\$ 106,252,486	\$ 106,252,486	\$ 0.1366	
		S-WB	168,011	100%	73	12,289,168	\$ -	\$ 1,637,639	\$ 1,637,639	\$ 0.0267	
		P-WB	100,183	100%	21	2,077,920	\$ -	\$ 276,901	\$ 276,901	\$ 0.0076	
		A-WB	1	100%	1	1	\$ -	\$ 0	\$ 0	\$ 0.0004	
		Total	13,610,459		1	4,474,697	\$ 2,544,171,990	\$ 119,504,647	\$ 339,033,219	\$ 458,537,866	\$ 0.0923
FT-H3											
	115,107	Non-Mileage	115,107	100%	221	115,107	\$ 3,074,130	\$ 10,662,052	\$ 13,736,183	\$ 0.0732	
		NE	38,236	110%	413	9,298,665	\$ -	\$ 1,239,129	\$ 1,239,129	\$ 0.0888	
		NW	39,162	110%	167	17,798,316	\$ -	\$ 2,371,782	\$ 2,371,782	\$ 0.1659	
		SW	103,855	110%	167	19,033,176	\$ -	\$ 2,536,338	\$ 2,536,338	\$ 0.0669	
		SE	82,336	110%	374	33,879,877	\$ -	\$ 4,514,791	\$ 4,514,791	\$ 0.1502	
		S-WB	1	110%	73	80	\$ -	\$ 11	\$ 11	\$ 0.0294	
		P-WB	1	110%	21	23	\$ -	\$ 3	\$ 3	\$ 0.0083	
		A-WB	1	110%	1	1	\$ -	\$ 0	\$ 0	\$ 0.0004	
		Max	378,699		1	115,107	\$ 80,010,138	\$ 3,074,130	\$ 10,662,052	\$ 13,736,183	\$ 0.0994
FT-H12											
	377,398	Non-Mileage	377,398	100%	221	377,398	\$ 10,079,068	\$ 34,010,625	\$ 44,089,693	\$ 0.1022	
		NE	104,233	117%	413	26,884,563	\$ -	\$ 3,582,604	\$ 3,582,604	\$ 0.0942	
		NW	99,832	117%	167	48,121,569	\$ -	\$ 6,412,621	\$ 6,412,621	\$ 0.1760	
		SW	338,231	117%	374	65,743,173	\$ -	\$ 8,760,854	\$ 8,760,854	\$ 0.0710	
		SE	262,299	117%	73	114,473,003	\$ -	\$ 15,254,531	\$ 15,254,531	\$ 0.1593	
		S-WB	1	117%	21	85	\$ -	\$ 11	\$ 11	\$ 0.0312	
		P-WB	1	117%	1	24	\$ -	\$ 3	\$ 3	\$ 0.0088	
		A-WB	1	117%	1	1	\$ -	\$ 0	\$ 0	\$ 0.0004	
		Max	1,181,996		1	377,398	\$ 255,222,420	\$ 10,079,068	\$ 34,010,625	\$ 44,089,693	\$ 0.1022
FT-H16											
	148,072	Non-Mileage	148,072	100%	221	148,072	\$ 3,954,514	\$ 14,557,906	\$ 18,512,420	\$ 0.1151	
		NE	52,316	125%	413	14,457,462	\$ -	\$ 1,926,583	\$ 1,926,583	\$ 0.1009	
		NW	41,457	125%	167	21,410,539	\$ -	\$ 2,853,142	\$ 2,853,142	\$ 0.1886	
		SW	75,166	125%	374	15,653,860	\$ -	\$ 2,086,014	\$ 2,086,014	\$ 0.0760	
		SE	123,448	125%	73	57,723,410	\$ -	\$ 7,692,150	\$ 7,692,150	\$ 0.1707	
		S-WB	1	125%	21	91	\$ -	\$ 12	\$ 12	\$ 0.0334	
		P-WB	1	125%	1	26	\$ -	\$ 3	\$ 3	\$ 0.0095	
		A-WB	1	125%	1	1	\$ -	\$ 0	\$ 0	\$ 0.0005	
		Max	440,460		1	148,072	\$ 109,245,390	\$ 3,954,514	\$ 14,557,906	\$ 18,512,420	\$ 0.1151
FT-H8											
	145,568	Non-Mileage	145,568	100%	221	145,568	\$ 3,887,640	\$ 23,236,198	\$ 27,123,839	\$ 0.1595	
		NE	48,423	200%	413	21,410,859	\$ -	\$ 2,853,185	\$ 2,853,185	\$ 0.1614	
		NW	47,860	200%	167	39,548,470	\$ -	\$ 5,270,180	\$ 5,270,180	\$ 0.3017	
		SW	130,630	200%	374	43,527,300	\$ -	\$ 5,800,394	\$ 5,800,394	\$ 0.1217	
		SE	93,407	200%	73	69,882,184	\$ -	\$ 9,312,414	\$ 9,312,414	\$ 0.2731	
		S-WB	1	200%	21	146	\$ -	\$ 19	\$ 19	\$ 0.0534	
		P-WB	1	200%	1	41	\$ -	\$ 6	\$ 6	\$ 0.0151	
		A-WB	1	200%	1	2	\$ -	\$ 0	\$ 0	\$ 0.0007	
		Max	465,890		1	145,568	\$ 174,369,003	\$ 3,887,640	\$ 23,236,198	\$ 27,123,839	\$ 0.1595
	5,260,841		16,077,504			5,260,841	\$ 3,163,018,939	\$ 140,500,000	\$ 421,500,000	\$ 562,000,000	
Disc Res Rev	-	Non-Mileage	-								
\$	-	NE	-								
\$	-	NW	-								
\$	-	SW	-								
\$	-	SE	-								
		S-WB	-								
		P-WB	-								
		A-WB	-								
\$	-	Disc	-								
Total LTF Contract	5,260,841		16,077,504								

EL PASO NATURAL GAS COMPANY
 DOCKET NO. RP05-422 RATE DESIGN WORKING GROUP
 ZONE MATRIX CASES

Case 28	
positive miles for counter flow	
Total COS	\$ 600,000,000
Usage	\$ (20,000,000)
ITS/STF/PAL/ISS/IHSW	\$ (8,000,000)
Incremental Systems	\$ (10,000,000)
Discounted LTF	\$ (142,105,214)
Net Allocable Res Dollars	\$ 419,894,786

	Mileage	COS Credit for Discounts	
Case 25		25 Exclude	positive miles for counter flow
Case 26		26 Exclude	zero miles for counter flow
Case 27		27 Exclude	negative miles net for counter flow
Case 28		28 Include	positive miles for counter flow
Case 29		29 Include	zero miles for counter flow
Case 30		30 Include	negative miles net for counter flow

	Modeled	28 Include	Modeled Case 28
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	Billing Determinants	Premium Percentage	Miles	Allocation Factors		Allocated \$'s			TOTAL	Daily Rate
				Non-Mileage	Mileage	Non-Mileage	Mileage	75%		
FT-1/FT-2						104,973,697	314,921,090	419,894,786		
Non-Mileage										
	2,534,826	Non-Mileage	2,534,826	100%	187	\$ 80,124,199	\$ -	\$ 80,124,199	\$ -	0.0866
		NE	957,177	100%	187	\$ 179,408,270	\$ -	\$ 179,408,270	\$ -	0.0782
		NW	874,238	100%	374	\$ 327,023,138	\$ -	\$ 327,023,138	\$ -	0.1562
		SW	1,573,065	100%	167	\$ 262,935,901	\$ -	\$ 262,935,901	\$ -	0.0698
		SE	1,669,345	100%	405	\$ 675,847,282	\$ -	\$ 675,847,282	\$ -	0.1690
		S-WB	27,731	100%	85	\$ 2,361,372	\$ -	\$ 2,361,372	\$ -	0.0355
		P-WB	1,853	100%	42	\$ 78,055	\$ -	\$ 78,055	\$ -	0.0176
		A-WB	1	100%	1	\$ 1	\$ -	\$ 1	\$ -	0.0004
		Total	7,638,237		1	\$ 80,124,199	\$ 220,591,001	\$ 300,715,200	\$ -	0.1079
FT-H3										
	115,107	Non-Mileage	115,107		187	\$ 3,638,453	\$ -	\$ 3,638,453	\$ -	0.0866
		NE	38,236	110%	187	\$ 7,883,497	\$ -	\$ 7,883,497	\$ -	0.0961
		NW	39,162	110%	374	\$ 16,114,037	\$ -	\$ 16,114,037	\$ -	0.1718
		SW	103,855	110%	167	\$ 19,095,190	\$ -	\$ 19,095,190	\$ -	0.0768
		SE	82,336	110%	405	\$ 36,667,805	\$ -	\$ 36,667,805	\$ -	0.1859
		S-WB	1	110%	85	\$ 94	\$ -	\$ 94	\$ -	0.0391
		P-WB	1	110%	42	\$ 46	\$ -	\$ 46	\$ -	0.0193
		A-WB	1	110%	1	\$ 1	\$ -	\$ 1	\$ -	0.0005
		Max	378,699		1	\$ 115,107	\$ 79,760,670	\$ 12,153,792	\$ 15,792,245	0.1143
FT-H12										
	377,398	Non-Mileage	377,398		187	\$ 11,929,296	\$ -	\$ 11,929,296	\$ -	0.0866
		NE	104,233	117%	187	\$ 22,792,992	\$ -	\$ 22,792,992	\$ -	0.0913
		NW	99,832	117%	374	\$ 43,567,759	\$ -	\$ 43,567,759	\$ -	0.1822
		SW	338,231	117%	167	\$ 65,957,379	\$ -	\$ 65,957,379	\$ -	0.0814
		SE	262,299	117%	405	\$ 123,892,827	\$ -	\$ 123,892,827	\$ -	0.1972
		S-WB	1	117%	85	\$ 99	\$ -	\$ 99	\$ -	0.0415
		P-WB	1	117%	42	\$ 49	\$ -	\$ 49	\$ -	0.0205
		A-WB	1	117%	1	\$ 1	\$ -	\$ 1	\$ -	0.0005
		Max	1,181,996		1	\$ 377,398	\$ 256,211,105	\$ 11,929,296	\$ 39,041,003	0.1181
FT-H16										
	148,072	Non-Mileage	148,072		187	\$ 4,680,450	\$ -	\$ 4,680,450	\$ -	0.0866
		NE	52,316	125%	187	\$ 12,257,175	\$ -	\$ 12,257,175	\$ -	0.0978
		NW	41,457	125%	374	\$ 19,384,431	\$ -	\$ 19,384,431	\$ -	0.1952
		SW	75,166	125%	167	\$ 15,704,863	\$ -	\$ 15,704,863	\$ -	0.0872
		SE	123,448	125%	405	\$ 62,473,389	\$ -	\$ 62,473,389	\$ -	0.2113
		S-WB	1	125%	85	\$ 106	\$ -	\$ 106	\$ -	0.0444
		P-WB	1	125%	42	\$ 53	\$ -	\$ 53	\$ -	0.0220
		A-WB	1	125%	1	\$ 1	\$ -	\$ 1	\$ -	0.0005
		Max	440,460		1	\$ 148,072	\$ 109,820,019	\$ 4,680,450	\$ 16,734,183	0.1332
FT-H8										
	145,568	Non-Mileage	145,568		187	\$ 4,601,300	\$ -	\$ 4,601,300	\$ -	0.0866
		NE	48,423	200%	187	\$ 18,152,332	\$ -	\$ 18,152,332	\$ -	0.1565
		NW	47,860	200%	374	\$ 35,805,944	\$ -	\$ 35,805,944	\$ -	0.3123
		SW	130,630	200%	167	\$ 43,669,121	\$ -	\$ 43,669,121	\$ -	0.1396
		SE	93,407	200%	405	\$ 75,632,692	\$ -	\$ 75,632,692	\$ -	0.3380
		S-WB	1	200%	85	\$ 170	\$ -	\$ 170	\$ -	0.0711
		P-WB	1	200%	42	\$ 84	\$ -	\$ 84	\$ -	0.0352
		A-WB	1	200%	1	\$ 2	\$ -	\$ 2	\$ -	0.0008
		Max	465,890		1	\$ 145,568	\$ 173,260,345	\$ 4,601,300	\$ 26,401,110	0.1823
	3,320,969		10,105,282			\$ 3,320,969	\$ 2,066,706,157	\$ 104,973,697	\$ 314,921,090	\$ 419,894,786
Disc Res Rev	-	Non-Mileage	-							
\$ 4,428,824		NE	1,460,585							
\$ 10,460,491		NW	1,066,424							
\$ 18,518,525		SW	491,430							
\$ 108,697,373		SE	18,398							
		S-WB	-							
		P-WB	-							
		A-WB	-							
\$ 142,105,214		- Disc	3,036,837							
Total LTF Contracts	3,320,969		13,142,119							

Disc Res Rev	-	Non-Mileage	-
\$ 4,428,824		NE	1,460,585
\$ 10,460,491		NW	1,066,424
\$ 18,518,525		SW	491,430
\$ 108,697,373		SE	18,398
		S-WB	-
		P-WB	-
		A-WB	-
\$ 142,105,214		- Disc	3,036,837
Total LTF Contracts	3,320,969		13,142,119

EL PASO NATURAL GAS COMPANY
 DOCKET NO. RP05-422 RATE DESIGN WORKING GROUP
 ZONE MATRIX CASES

Case 30	
negative miles net for counter flow	
Total COS	\$ 600,000,000
Usage	\$ (20,000,000)
ITS/STF/PAL/ISS/IHSW	\$ (8,000,000)
Incremental Systems	\$ (10,000,000)
Discounted LTF	\$ (142,105,214)
Net Allocable Res Dollars	\$ 419,894,786

	Mileage	COS Credit for Discounts	
Case 25	25 Exclude	positive miles for counter flow	
Case 26	26 Exclude	zero miles for counter flow	
Case 27	27 Exclude	negative miles net for counter flow	
Case 28	28 Include	positive miles for counter flow	
Case 29	29 Include	zero miles for counter flow	
Case 30	30 Include	negative miles net for counter flow	

	Modeled	30 Include	Modeled Case 30
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	Billing Determinants	Premium Percentage Miles	Allocation Factors		Allocated \$'s			75% TOTAL	Daily Rate	
			Non-Mileage 25%	Mileage 75%	Non-Mileage 25%	Mileage 75%	Modeled Case 30			
FT-1/FT-2 Non-Mileage					104,973,697		314,921,090	419,894,786		
	2,534,826 Non-Mileage	2,534,826	100%	187	2,534,826		80,124,199	80,124,199	0.0866	
	NE	957,177	100%	374	179,408,270	\$ -	27,337,920	27,337,920	0.0782	
	NW	874,238	100%	167	327,023,138	\$ -	49,831,217	49,831,217	0.1562	
	SW	1,573,065	100%	405	262,935,901	\$ -	40,065,715	40,065,715	0.0698	
	SE	1,669,345	100%	85	675,847,282	\$ -	102,984,433	102,984,433	0.1690	
	S-WB	27,731	100%	42	2,361,372	\$ -	359,822	359,822	0.0355	
	P-WB	1,853	100%	1	78,055	\$ -	11,894	11,894	0.0176	
	A-WB	1	100%	1	1	\$ -	0	0	0.0004	
	Total	7,638,237			2,534,826	1,447,654,017	80,124,199	220,591,001	300,715,200	0.1079
FT-H3	115,107 Non-Mileage	115,107			115,107		3,638,453	3,638,453	0.0866	
	NE	38,236	110%	374	7,883,497	\$ -	1,201,274	1,201,274	0.0861	
	NW	39,162	110%	167	16,114,037	\$ -	2,455,429	2,455,429	0.1718	
	SW	103,855	110%	405	19,095,190	\$ -	2,909,692	2,909,692	0.0768	
	SE	82,336	110%	85	36,667,805	\$ -	5,587,376	5,587,376	0.1859	
	S-WB	1	110%	42	94	\$ -	14	14	0.0391	
	P-WB	1	110%	1	46	\$ -	7	7	0.0193	
	A-WB	1	110%	1	1	\$ -	0	0	0.0005	
	Max	378,699			115,107	79,760,670	3,638,453	12,153,792	15,792,245	0.1143
FT-H12	377,398 Non-Mileage	377,398			377,398		11,929,296	11,929,296	0.0866	
	NE	104,233	117%	374	22,792,992	\$ -	3,473,156	3,473,156	0.0913	
	NW	99,832	117%	167	43,567,759	\$ -	6,638,779	6,638,779	0.1822	
	SW	336,231	117%	405	65,957,379	\$ -	10,050,471	10,050,471	0.0814	
	SE	262,299	117%	85	123,892,827	\$ -	18,878,573	18,878,573	0.1972	
	S-WB	1	117%	42	99	\$ -	15	15	0.0415	
	P-WB	1	117%	1	49	\$ -	7	7	0.0205	
	A-WB	1	117%	1	1	\$ -	0	0	0.0005	
	Max	1,181,996			377,398	256,211,105	11,929,296	39,041,003	50,970,299	0.1181
FT-H16	148,072 Non-Mileage	148,072			148,072		4,680,450	4,680,450	0.0866	
	NE	52,316	125%	374	12,257,175	\$ -	1,867,727	1,867,727	0.0978	
	NW	41,457	125%	167	19,384,431	\$ -	2,953,766	2,953,766	0.1952	
	SW	75,166	125%	405	15,704,863	\$ -	2,393,080	2,393,080	0.0872	
	SE	123,448	125%	85	62,473,389	\$ -	9,519,586	9,519,586	0.2113	
	S-WB	1	125%	42	106	\$ -	16	16	0.0444	
	P-WB	1	125%	1	53	\$ -	8	8	0.0220	
	A-WB	1	125%	1	1	\$ -	0	0	0.0005	
	Max	440,460			148,072	109,820,019	4,680,450	16,734,183	21,414,633	0.1332
FT-H8	145,568 Non-Mileage	145,568			145,568		4,601,300	4,601,300	0.0866	
	NE	48,423	200%	374	18,152,332	\$ -	2,766,021	2,766,021	0.1565	
	NW	47,860	200%	167	35,805,944	\$ -	5,456,048	5,456,048	0.3123	
	SW	130,630	200%	405	43,669,121	\$ -	6,654,225	6,654,225	0.1396	
	SE	93,407	200%	85	75,632,692	\$ -	11,524,778	11,524,778	0.3380	
	S-WB	1	200%	42	170	\$ -	26	26	0.0711	
	P-WB	1	200%	1	84	\$ -	13	13	0.0352	
	A-WB	1	200%	1	2	\$ -	0	0	0.0008	
	Max	465,890			145,568	173,260,345	4,601,300	26,401,110	31,002,410	0.1823
	3,320,969	10,105,282			3,320,969	2,066,706,157	104,973,697	314,921,090	419,894,786	
Disc Res Rev	- Non-Mileage	-								
\$	4,428,824	NE	1,460,585							
\$	10,460,491	NW	1,066,424							
\$	18,518,525	SW	491,430							
\$	108,697,373	SE	18,398							
		S-WB	-							
		P-WB	-							
		A-WB	-							
\$	142,105,214	- Disc	3,036,837							
Total LTF Contracts	3,320,969	13,142,119								

El Paso Natural Gas Company
 Derivation of the System-wide Forward Haul Fuel Charge
 Using Zones from Rate Design Working Group study
 Based on the Eighteen Months Ended 09/30/06

Line No.	Description	Mdth/d Throughput (a)	Fuel (c)	Fuel Percent Without True Up (d=c/[b+c])
1	Forward Haul Fuel Retention Total System-wide Quantities	4,124.828	102.100	
	Exclusions to Forward Haul Quantities			
2	Anadarko Within Basin	39.454	0.234	1.142
3	Permian Within Basin	335.540	3.526	19.64
4	San Juan Within Basin	67.410	0.434	16.84
5	Permian to Anadarko Volumes	133.596	1.760	0.852
6	Transactions Not Assessed Fuel	10.292	0.000	
7	Washington Ranch Interruptible Storage Service	0.000	0.000	0.514
8	Total Forward Haul Exclusions	586.291	5.955	38.988
9	Forward Haul (Total System-wide less Exclusions) Before True Ups	3,538.536	96.146	2.65%
	Quadrants Study			
10	NW	2,064.818	38.672	1.84%
11	NE	153.642	0.970	0.63%
12	SW	1,749.665	11.409	0.65%
13	SE	1,490.506	45.084	2.94%
			96.135	
	Examples of delivery rates:			
14	SJ to Az Southern System Delivery			
15	SW			0.65%
16	SE			2.94%
17	Total			3.59%
18	SJ to Topock Northern System NW			1.84%
	Permian to Az			
19	SE			2.94%
20	SW			0.65%
21	Total			3.59%
22	Permian to Texas			2.94%