

**EL PASO NATURAL GAS COMPANY**  
**Long-term Firm Discount Workpaper**

Docket No. RP08-\_\_\_\_  
Schedule J-1 Workpaper 1  
Exhibit No. EPG-141  
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Line No.	Shipper Name	TSA	Zone	Monthly Fixed		Monthly Recourse		Discounted or Max	Unadjusted Daily Dth/day	Discount %	Adjusted Daily Reservation	Revenue if COS Credit
				Reservation Rate (\$/Dth)	Reservation Rate (\$/Dth)	(d)	(e)					
1	Arizona Public Service Company	FT24T000	CA	\$ 10.1969	\$ 11.8523	Discounted	51,022	0.00%	-	\$ 6,243,212		
2	Arizona Public Service Company	FT24T000	AZ	\$ 10.1969	\$ 11.5953	Discounted	15,236	0.00%	-	\$ 1,864,278		
3	BP Energy Company	9NXB	WB	\$ 1.6425	\$ 3.1307	Discounted	140,280	0.00%	-	\$ 2,764,919		
4	BP Energy Company	FT2LJ000	TX	\$ 2.6736	\$ 7.9951	Discounted	52,000	0.00%	-	\$ 1,668,326		
5	California Department of Water Resources	9TBU	CA	\$ 2.4333	\$ 11.8523	Discounted	15,000	0.00%	-	\$ 438,001		
6	ConocoPhillips Company	FT276000	TX	\$ 2.1292	\$ 7.9951	Discounted	35,000	0.00%	-	\$ 894,264		
7	Coral Energy Resources, L.P.	9TBL	CA	\$ 2.2813	\$ 11.8523	Discounted	150,000	0.00%	-	\$ 4,106,250		
8	Gila River Power, L.P.	FT2MZ000	CA	\$ 4.2280	\$ 11.8523	Discounted	18,750	0.00%	-	\$ 951,300		
9	Merrill Lynch Commodities, Inc.	FT2FT000	WB	\$ 2.6675	\$ 3.1307	Discounted	20,000	0.00%	-	\$ 640,200		
10	MGI Supply, Ltd	FT22U000	AZ	\$ 11.1391	\$ 11.5953	Discounted	22,000	0.00%	-	\$ 2,940,709		
11	Odessa-Ector Power Partners, L.P.	9L6Y	WB	\$ 1.0992	\$ 3.1307	Discounted	85,339	0.00%	-	\$ 1,125,638		
12	ONEOK Energy Services Company	FT2N7000	TX	\$ 2.6736	\$ 7.9951	Discounted	3,500	0.00%	-	\$ 112,291		
13	Pacific Gas and Electric Company,	9RJE	CA	\$ 8.9729	\$ 11.8523	Discounted	116,035	0.00%	-	\$ 12,494,087		
14	Pacific Gas and Electric Company,	9RJG	CA	\$ 8.5167	\$ 11.8523	Discounted	21,093	0.00%	-	\$ 2,155,713		
15	Pacific Gas and Electric Company,	9RJ9	CA	\$ 8.5167	\$ 11.8523	Discounted	64,646	0.00%	-	\$ 6,606,847		
16	Southern California Gas Company	9RBW	CA	\$ 9.7058	\$ 11.8523	Discounted	322,880	0.00%	-	\$ 37,605,834		
17	Southern California Gas Company	9RBX	CA	\$ 8.3371	\$ 11.8523	Discounted	246,022	0.00%	-	\$ 24,613,254		
18	Southern California Gas Company	9RBZ	CA	\$ 9.7058	\$ 11.8523	Max	-	0.00%	-	\$ -		
19	Southern California Gas Company	9RC2	CA	\$ 8.3371	\$ 11.8523	Max	-	0.00%	-	\$ -		
20	Southwest Gas Corporation	FT28K000	CA	\$ 10.1969	\$ 11.8523	Discounted	36,871	0.00%	-	\$ 4,511,585		
21	United States Department of Interior,	9P3W	WB	\$ 1.0737	\$ 3.1307	Discounted	26,075	0.00%	-	\$ 335,964		
22	WTG Gas Marketing, Inc.	FT2LC000	TX	\$ 2.6737	\$ 7.9951	Discounted	20,000	0.00%	-	\$ 641,688		
23						WB	271,694		-	\$ 4,866,721		
24						TX	110,500		-	\$ 3,316,570		
25						NM	-		-	\$ -		
26						AZ	37,236		-	\$ 4,804,987		
27						NV	-		-	\$ -		
28						CA	1,042,319		-	\$ 99,726,084		
29						<b>Total</b>	<b>1,461,748</b>		-	<b>\$ 112,714,361</b>		

**EL PASO NATURAL GAS COMPANY**  
**Short-term Discount Workpaper**

Docket No. RP08-\_\_\_\_  
Schedule J-1 Workpaper 1A  
Exhibit No. EPG-141  
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Line No.	Shipper Name (a)	TSA (b)	Zone (c)	Monthly Fixed Reservation Rate (\$/Dth) (d)	Monthly Recourse Reservation Rate (\$/Dth) (e)	Discounted or Max (f)	Unadjusted Daily Dth/day (g)	Discount % (h)	Adjusted Daily Reservation (i)	Revenue if COS Credit (j)
1	ST East flow	ST East	NM	\$ 1.52083	\$ 8.7456	Discounted	5,129	0.00%	-	\$ 93,595
2	ST East flow	ST East	TX	\$ 1.52083	\$ 7.9951	Discounted	72,077	0.00%	-	\$ 1,315,412
3	ST East flow	ST East	WB	\$ 1.52083	\$ 3.1307	Discounted	96,092	0.00%	-	\$ 1,753,675
4	ST West flow from Permian	ST West P	AZ	\$ 4.56250	\$ 11.5953	Discounted	35,176	0.00%	-	\$ 1,925,862
5	ST West flow from Permian	ST West P	CA	\$ 4.56250	\$ 11.8523	Discounted	320,104	0.00%	-	\$ 17,525,717
6	ST West flow from Permian	ST West P	NM	\$ 4.56250	\$ 8.7456	Discounted	6,539	0.00%	-	\$ 358,028
7	ST West flow from Permian	ST West P	TX	\$ 4.56250	\$ 7.9951	Discounted	126,341	0.00%	-	\$ 6,917,175
8	ST West flow from San Juan	ST West SJ	AZ	\$ 7.90833	\$ 11.5953	Discounted	22,581	0.00%	-	\$ 2,142,926
9	ST West flow from San Juan	ST West SJ	CA	\$ 7.90833	\$ 11.8523	Discounted	194,996	0.00%	-	\$ 18,505,163
10						WB	96,092		-	\$ 1,753,675
11						TX	198,418		-	\$ 8,232,587
12						NM	11,668		-	\$ 451,624
13						AZ	57,756		-	\$ 4,068,787
14						NV	-		-	\$ -
15						CA	515,101		-	\$ 36,030,881
16						<b>Total</b>	<b>879,035</b>		-	<b>\$ 50,537,554</b>

EL PASO NATURAL GAS COMPANY  
Long-Term Firm Contract Details

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Schedule J-1 Worksheet 2  
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Line No.	Company Name	Agmt Code	Effective Date	Prim Term End Date	Receipt Loc Code	Delivery Loc Code	Delv Path	Zone	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Sch	Annual Average	Mileage	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)		
1	Agave Energy Company	FT2MC000	04/01/2008	03/31/2011	ICHAVS#2	DPG&ETOP	NN2	CA	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	FT1	2,500	448.86	
2	Agave Energy Company	FT2MC000	04/01/2008	03/31/2011	ILINAM	DPG&ETOP	SN1	CA	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	FT1	5,000	847.25
3	Apache Nitrogen Products, Inc.	97VV	09/01/1991	08/31/2013	BLANCO	DAPOWWIL	NS1	AZ	1,037	1,187	1,172	2,426	997	781	984	955	3,925	3,649	1,468	1,181	FT2	1,647	1,201.98	
4	Apache Nitrogen Products, Inc.	97VV	09/01/1991	08/31/2013	BONDAD	DAPOWWIL	NS1	AZ	137	156	155	321	132	104	130	126	519	482	195	155	FT2	218	1,263.29	
5	Apache Nitrogen Products, Inc.	97VV	09/01/1991	08/31/2013	BONDADST	DAPOWWIL	NS1	AZ	481	549	544	1,124	461	363	457	443	1,819	1,690	680	546	FT2	763	1,270.42	
6	Apache Nitrogen Products, Inc.	97VV	09/01/1991	08/31/2013	RIOVISTA	DAPOWWIL	NS1	AZ	70	80	79	164	67	53	67	66	265	247	99	80	FT2	111	1,194.67	
7	Aquila Long Term, Inc.	9MGB	04/01/2002	03/31/2017	BLANCO	INN30PLA	NN3-AN1	TX	11,000	10,215	10,396	10,600	10,830	10,965	10,950	10,945	10,793	10,625	10,415	10,200	FT1	10,681	590.78	
8	Aquila Long Term, Inc.	9MGB	04/01/2002	03/31/2017	BONDADST	INN30PLA	NN3-AN1	TX	2,500	2,436	2,464	2,548	2,617	2,694	2,701	2,697	2,621	2,519	2,442	2,397	FT1	2,553	659.22	
9	Aquila Long Term, Inc.	9MGB	04/01/2002	03/31/2017	KEYSTONE	INN30PLA	SN3-AN1	TX	2,800	3,511	3,060	2,575	2,140	1,652	1,667	1,651	2,117	2,677	3,148	3,624	FT1	2,552	78.82	
10	Aquila Long Term, Inc.	9MGB	04/01/2002	03/31/2017	WAHA	INN30PLA	SN3-AN1	TX	5,550	5,162	5,301	5,759	5,937	6,210	6,291	6,255	6,000	5,630	5,176	5,064	FT1	5,695	23.67	
11	Arizona Electric Power Cooperative, Inc.	FT257000	07/01/2006	09/30/2016	BLANCO	DAEPCWIL	CC1	AZ	459	462	439	373	453	600	473	587	927	987	416	457	FT1	553	810.22	
12	Arizona Electric Power Cooperative, Inc.	FT257000	07/01/2006	09/30/2016	BLANCO	DAEPCWIL	NS1	AZ	266	277	292	239	394	586	466	590	643	582	275	262	FT1	406	1,150.98	
13	Arizona Electric Power Cooperative, Inc.	FT257000	07/01/2006	09/30/2016	BLANCO	DAEPCWIL	NS3	AZ	2,327	2,347	2,358	2,176	2,856	4,067	3,379	4,168	5,502	5,717	2,249	2,344	FT1	3,291	751.94	
14	Arizona Electric Power Cooperative, Inc.	FT257000	07/01/2006	09/30/2016	BLANCO	DAEPCWIL	NSV	AZ	153	141	85	60	76	52	111	112	208	363	126	157	FT1	137	751.94	
15	Arizona Electric Power Cooperative, Inc.	FT257000	07/01/2006	09/30/2016	BONDADST	DAEPCWIL	CC1	AZ	109	110	104	90	109	147	117	144	225	233	97	107	FT1	133	878.66	
16	Arizona Electric Power Cooperative, Inc.	FT257000	07/01/2006	09/30/2016	BONDADST	DAEPCWIL	NS1	AZ	63	66	68	57	94	144	114	146	156	137	64	61	FT1	98	1,219.42	
17	Arizona Electric Power Cooperative, Inc.	FT257000	07/01/2006	09/30/2016	BONDADST	DAEPCWIL	NS3	AZ	553	558	557	523	690	998	832	1,027	1,336	1,355	528	549	FT1	792	820.38	
18	Arizona Electric Power Cooperative, Inc.	FT257000	07/01/2006	09/30/2016	BONDADST	DAEPCWIL	NSV	AZ	36	34	20	14	18	13	27	28	51	86	30	37	FT1	33	820.38	
19	Arizona Electric Power Cooperative, Inc.	FT257000	07/01/2006	09/30/2016	KEYSTONE	DAEPCWIL	SS1	AZ	486	500	433	322	345	353	270	344	522	700	384	502	FT1	430	584.23	
20	Arizona Electric Power Cooperative, Inc.	FT257000	07/01/2006	09/30/2016	RIOVISTA	DAEPCWIL	CC1	AZ	26	27	25	22	27	34	27	34	52	55	24	26	FT1	32	802.91	
21	Arizona Electric Power Cooperative, Inc.	FT257000	07/01/2006	09/30/2016	RIOVISTA	DAEPCWIL	NS1	AZ	15	15	16	13	23	33	26	33	36	33	15	14	FT1	23	1,143.67	
22	Arizona Electric Power Cooperative, Inc.	FT257000	07/01/2006	09/30/2016	RIOVISTA	DAEPCWIL	NS3	AZ	130	131	133	122	159	228	190	234	309	323	127	132	FT1	185	744.63	
23	Arizona Electric Power Cooperative, Inc.	FT257000	07/01/2006	09/30/2016	RIOVISTA	DAEPCWIL	NSV	AZ	9	8	5	3	4	3	6	6	12	20	7	9	FT1	8	744.63	
24	Arizona Electric Power Cooperative, Inc.	FT257000	07/01/2006	09/30/2016	WAHA	DAEPCWIL	SS1	AZ	2,543	2,513	2,410	2,097	2,688	3,740	3,154	3,883	5,355	5,776	2,356	2,523	FT1	3,253	484.33	
25	Arizona Electric Power Cooperative, Inc.	FT258000	07/01/2006	09/30/2016	BLANCO	DAEPCWIL	CC1	AZ	153	154	164	161	220	343	271	337	466	432	155	153	FT1	251	810.22	
26	Arizona Electric Power Cooperative, Inc.	FT258000	07/01/2006	09/30/2016	BLANCO	DAEPCWIL	NS1	AZ	90	93	109	104	190	336	266	339	323	254	103	88	FT1	191	1,150.98	
27	Arizona Electric Power Cooperative, Inc.	FT258000	07/01/2006	09/30/2016	BLANCO	DAEPCWIL	NS3	AZ	780	785	878	941	1,381	2,327	1,935	2,393	2,771	2,502	846	785	FT1	1,527	751.94	
28	Arizona Electric Power Cooperative, Inc.	FT258000	07/01/2006	09/30/2016	BLANCO	DAEPCWIL	NSV	AZ	51	47	31	26	36	30	64	65	105	159	47	52	FT1	59	751.94	
29	Arizona Electric Power Cooperative, Inc.	FT258000	07/01/2006	09/30/2016	BONDADST	DAEPCWIL	CC1	AZ	37	37	39	39	53	85	66	83	113	102	37	36	FT1	61	878.66	
30	Arizona Electric Power Cooperative, Inc.	FT258000	07/01/2006	09/30/2016	BONDADST	DAEPCWIL	NS1	AZ	21	22	26	25	46	82	66	83	78	60	24	21	FT1	46	1,219.42	
31	Arizona Electric Power Cooperative, Inc.	FT258000	07/01/2006	09/30/2016	BONDADST	DAEPCWIL	NS3	AZ	185	186	207	224	333	569	476	589	671	591	196	183	FT1	368	820.38	
32	Arizona Electric Power Cooperative, Inc.	FT258000	07/01/2006	09/30/2016	BONDADST	DAEPCWIL	NSV	AZ	12	11	7	6	9	7	16	16	25	38	11	12	FT1	14	820.38	
33	Arizona Electric Power Cooperative, Inc.	FT258000	07/01/2006	09/30/2016	KEYSTONE	DAEPCWIL	SS1	AZ	164	167	162	139	167	202	156	198	262	306	143	168	FT1	186	584.23	
34	Arizona Electric Power Cooperative, Inc.	FT258000	07/01/2006	09/30/2016	RIOVISTA	DAEPCWIL	CC1	AZ	8	8	9	9	12	19	15	18	26	25	9	9	FT1	14	802.91	
35	Arizona Electric Power Cooperative, Inc.	FT258000	07/01/2006	09/30/2016	RIOVISTA	DAEPCWIL	NS1	AZ	5	5	6	6	10	19	15	19	18	14	6	5	FT1	11	1,143.67	
36	Arizona Electric Power Cooperative, Inc.	FT258000	07/01/2006	09/30/2016	RIOVISTA	DAEPCWIL	NS3	AZ	44	44	49	52	79	130	109	134	156	140	47	43	FT1	86	744.63	
37	Arizona Electric Power Cooperative, Inc.	FT258000	07/01/2006	09/30/2016	RIOVISTA	DAEPCWIL	NSV	AZ	3	3	2	2	2	2	4	4	6	9	3	3	FT1	4	744.63	
38	Arizona Electric Power Cooperative, Inc.	FT258000	07/01/2006	09/30/2016	WAHA	DAEPCWIL	SS1	AZ	854	841	901	912	1,302	2,142	1,806	2,228	2,699	2,533	887	848	FT1	1,496	484.33	
39	Arizona Electric Power Cooperative, Inc.	H2223000	06/01/2006	09/30/2016	KEYSTONE	DAEPCWIL	SS1	AZ	5,607	5,640	5,746	4,620	4,703	4,800	4,779	4,787	4,662	2,281	5,712	5,643	FTH12	4,915	584.23	
40	Arizona Electric Power Cooperative, Inc.	H2223000	06/01/2006	09/30/2016	WAHA	DAEPCWIL	SS1	AZ	3,853	3,820	3,714	2,804	2,721	2,624	2,645	2,637	2,762	1,431	3,748	3,817	FTH12	3,048	484.33	
41	Arizona Electric Power Cooperative, Inc.	H8223000	06/01/2006	09/30/2016	KEYSTONE	DAEPCWIL	SS1	AZ	910	915	932	5,323	5,418	5,530	5,506	5,515	5,371	2,628	927	916	FTH8	3,324	584.23	
42	Arizona Electric Power Cooperative, Inc.	H8223000	06/01/2006	09/30/2016	WAHA	DAEPCWIL	SS1	AZ	625	620	603	3,230	3,135	3,023	3,047	3,038	3,182	1,649	608	619	FTH8	1,948	484.33	
43	Arizona Public Service Company	FT24T000	06/01/2006	12/31/2019	BLANCO	DAPS PHX	CC1	CA	19,883	16,621	20,703	36,320	43,602	72,408	71,026	62,376	72,543	68,885	33,884	26,331	FT1	45,382	852.11	
44	Arizona Public Service Company	FT24T000	06/01/2006	12/31/2019	WAHA	DAPS PHX	NS1	CA	4,281	1,749	2,022	1,584	3,012	1,823	19,746	28,283	5,084				FT1	5,640	641.11	
45	Arizona Public Service Company	FT24T000	06/01/2006	12/31/2019	WAHA	DAPS PHX	NS1	AZ	17,358	19,895	21,145	23,991	19,831	12,707	9,222	8,733	8,882	11,089	19,418	10,557	FT1	15,236	641.11	
46	Arizona Public Service Company	FT24U000	06/01/2006	12/31/2019	BLANCO	DAPS PHX	NS2	AZ	2,477			3,170	3,406	9,312	20,232	14,724	19,006	13,816	11,480	FT1	9,808	569.79		
47	Arizona Public Service Company	FT24U000	06/01/2006	12/31/2019	BONDADST	DAPS PHX	NS1	AZ	1,904	1,749	2,022	1,679	3,550	2,883	7,573	8,957	2,137	1,306			FT1	2,813	1,376.20	
48	Arizona Public Service Company	FT24U000	06/01/2006	12/31/2019	WAHA	DAPS PHX	NS1	AZ	47,645	35,046	42,107	59,459	62,184	66,356	73,098	79,077	79,065	70,304	51,023	44,665	FT1	59,169	641.11	
49	Arizona Public Service Company	FT24V000	06/01/2006	12/31/2019	BLANCO	DAPS PHX	NS3	AZ				2,474		14,354	28,283						FT1	3,759	793.83	
50	Arizona Public Service Company	FT24V000	06/01/2006	12/31/2019	KEYSTONE	DAPS PHX	SS1	AZ	10,597	5,638	10,172	17,773	17,776	15,395	10,021	5,190	18,676	10,143	14,747	11,250	FT1	12,282	741.01	
51	Arizona Public Service Company	FT24V000	06/01/2006	12/31/2019	KEYSTONE	DAPS YUM	SS1	AZ		2,308											FT1	192	928.72	
52	Arizona Public Service Company	FT24W000	06/01/2006	12/31/2008	BONDADST	DAPS YUM	CC1	AZ							19,280	14,225					FT1	2,792	775.59	
53	Arizona Public Service Company	FT24W000	06/01/2006	12/31/2008	BONDADST	DAPS YUM	NS3	AZ	18,271	15,908	18,762	22,452	21,995	26,992	12,069	17,124	31,348	28,815	22,923	18,663	FT1	21,277	843.84	
54	Arizona Public Service Company	FT24W000	06/01/2006	12/31/2008	KEYSTONE	DAPS PHX	SS1	AZ	7															

EL PASO NATURAL GAS COMPANY  
Long-Term Firm Contract Details

Line No.	Company Name	Agmt Code	Effective Date	Prim Term End Date	Receipt Loc Code	Delivery Loc Code	Delv Path	Zone	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Sch	Annual Average	Mileage	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)		
80	ASARCO L.L.C.	722R	10/01/1991	12/31/2001	KEYSTONE	DASARS-H	SS1	AZ	1,645	1,149	1,513	1,874	1,957	1,491	1,637	1,307	1,928	1,839	1,911	1,501	FT1	1,646	767.64	
81	ASARCO L.L.C.	8226	10/01/1991	12/31/2001	KEYSTONE	ILUNAPWR	SS1	NM	31	23	29	36	37	28	31	24	37	35	36	28	FT1	31	473.09	
82	ASARCO L.L.C.	8226	10/01/1991	12/31/2001	PLAINS	INN30PLA	AN1	WB	2	1	2	2	2	2	2	2	2	2	2	2	FT1	2	51.15	
83	ASARCO L.L.C.	822W	10/01/1991	12/31/2001	BLANCO	INWPLBLA	NN3	WB	1,003	704	944	1,193	1,275	982	1,077	861	1,249	1,173	1,196	919	FT1	1,048	3.71	
84	ASARCO L.L.C.	822W	10/01/1991	12/31/2001	BONDAD	INWPLBLA	NN3	WB	49	34	45	60	64	50	55	43	63	58	58	44	FT1	52	65.02	
85	ASARCO L.L.C.	822W	10/01/1991	12/31/2001	BONDADST	INWPLBLA	NN3	WB	189	132	176	227	242	190	209	167	239	219	221	171	FT1	199	72.15	
86	ASARCO L.L.C.	822W	10/01/1991	12/31/2001	KEYSTONE	ILUNAPWR	SS1	NM	352	245	286	288	249	147	161	128	243	293	372	331	FT1	258	473.09	
87	ASARCO L.L.C.	822W	10/01/1991	12/31/2001	PLAINS	INN30PLA	AN1	WB	22	15	17	17	15	9	10	8	15	18	22	20	FT1	16	51.15	
88	ASARCO L.L.C.	822W	10/01/1991	12/31/2001	RIOVISTA	INWPLBLA	NN3	WB	56	39	52	67	71	55	60	48	70	67	67	51	FT1	59	4.28	
89	ASARCO L.L.C.	822W	10/01/1991	12/31/2001	WAHA	ILUNAPWR	SS1	NM	578	403	549	710	758	605	665	532	756	684	678	516	FT1	620	373.19	
90	ASARCO L.L.C.	823B	10/01/1991	12/31/2001	KEYSTONE	ILUNAPWR	SS1	NM	47	33	43	54	56	42	47	38	56	53	56	43	FT1	47	473.09	
91	ASARCO L.L.C.	823B	10/01/1991	12/31/2001	PLAINS	INN30PLA	AN1	WB	3	2	3	3	4	3	3	2	3	3	3	3	FT1	3	51.15	
92	ASARCO L.L.C.	982A	10/01/1991	12/31/2001	BLANCO	DASARS-H	CC1	AZ	221	157	182	188	163	101	105	84	163	180	224	203	FT1	164	810.22	
93	ASARCO L.L.C.	982A	10/01/1991	12/31/2001	BLANCO	DASARS-H	NS1	AZ	129	94	121	120	142	98	103	84	113	105	148	116	FT1	114	1,334.39	
94	ASARCO L.L.C.	982A	10/01/1991	12/31/2001	BLANCO	DASARS-H	NS3	AZ	1,126	796	975	1,090	1,031	683	743	592	974	1,039	1,209	1,034	FT1	941	751.94	
95	ASARCO L.L.C.	982A	10/01/1991	12/31/2001	BLANCO	DASARS-H	NSV	AZ	75	47	35	30	27	9	24	16	37	66	68	70	FT1	42	751.94	
96	ASARCO L.L.C.	982A	10/01/1991	12/31/2001	BONDAD	DASARS-H	CC1	AZ	10	8	9	9	9	6	6	4	9	10	12	10	FT1	9	871.53	
97	ASARCO L.L.C.	982A	10/01/1991	12/31/2001	BONDAD	DASARS-H	NS1	AZ	6	5	6	6	6	5	5	4	5	5	7	5	FT1	6	1,395.70	
98	ASARCO L.L.C.	982A	10/01/1991	12/31/2001	BONDAD	DASARS-H	NS3	AZ	55	37	48	53	51	33	37	30	49	50	58	49	FT1	46	813.25	
99	ASARCO L.L.C.	982A	10/01/1991	12/31/2001	BONDAD	DASARS-H	NSV	AZ	4	3	2	2	1	1	1	2	3	3	4	FT1	2	813.25		
100	ASARCO L.L.C.	982A	10/01/1991	12/31/2001	BONDADST	DASARS-H	CC1	AZ	42	30	34	35	31	20	20	17	32	34	41	37	FT1	31	878.66	
101	ASARCO L.L.C.	982A	10/01/1991	12/31/2001	BONDADST	DASARS-H	NS1	AZ	24	17	23	23	27	19	20	17	22	19	27	22	FT1	22	1,402.83	
102	ASARCO L.L.C.	982A	10/01/1991	12/31/2001	BONDADST	DASARS-H	NS3	AZ	211	150	180	206	196	131	144	114	185	193	223	191	FT1	177	820.38	
103	ASARCO L.L.C.	982A	10/01/1991	12/31/2001	BONDADST	DASARS-H	NSV	AZ	14	9	7	6	5	2	5	3	7	12	13	13	FT1	8	820.38	
104	ASARCO L.L.C.	982A	10/01/1991	12/31/2001	KEYSTONE	DASARS-H	SS1	AZ	220	158	168	152	116	56	56	45	87	119	195	209	FT1	132	767.64	
105	ASARCO L.L.C.	982A	10/01/1991	12/31/2001	PLAINS	DASARS-H	AN2-CC1	AZ	2	2	2	1	1	1	1	1	1	1	2	2	FT1	1	759.13	
106	ASARCO L.L.C.	982A	10/01/1991	12/31/2001	PLAINS	DASARS-H	AN2-NS1	AZ	1	1	1	1	1	1	1	1	1	1	1	1	FT1	1	794.76	
107	ASARCO L.L.C.	982A	10/01/1991	12/31/2001	PLAINS	DASARS-H	AN2-NS3	AZ	10	7	8	7	5	1	2	1	3	5	9	9	FT1	6	700.85	
108	ASARCO L.L.C.	982A	10/01/1991	12/31/2001	PLAINS	DASARS-H	AN2-NSV	AZ	1												FT1	0	700.85	
109	ASARCO L.L.C.	982A	10/01/1991	12/31/2001	RIOVISTA	DASARS-H	CC1	AZ	12	8	10	10	9	6	6	5	9	10	12	11	FT1	9	802.91	
110	ASARCO L.L.C.	982A	10/01/1991	12/31/2001	RIOVISTA	DASARS-H	NS1	AZ	7	5	7	6	7	5	6	5	6	6	8	6	FT1	6	1,327.08	
111	ASARCO L.L.C.	982A	10/01/1991	12/31/2001	RIOVISTA	DASARS-H	NS3	AZ	62	44	53	60	57	38	41	32	53	56	69	58	FT1	52	744.63	
112	ASARCO L.L.C.	982A	10/01/1991	12/31/2001	RIOVISTA	DASARS-H	NSV	AZ	4	3	2	2	2	2	2	1	2	4	4	4	FT1	3	744.63	
113	ASARCO L.L.C.	982A	10/01/1991	12/31/2001	WAHA	DASARS-H	SS1	AZ	1,235	853	999	1,055	972	630	696	556	951	1,055	1,271	1,117	FT1	949	667.74	
114	BP Energy Company	FT25N000	09/01/2006	10/31/2008	BLANCO	IVALEROW	NS1	TX	36,323	36,323	36,323	36,323	36,323	36,323	36,323	36,323	36,323	36,323	36,323	36,323	FT1	36,323	811.80	
115	BP Energy Company	FT25N000	09/01/2006	10/31/2008	BONDAD	IVALEROW	NS1	TX	4,800	4,800	4,800	4,800	4,800	4,800	4,800	4,800	4,800	4,800	4,800	4,800	FT1	4,800	873.11	
116	BP Energy Company	FT25N000	09/01/2006	10/31/2008	BONDADST	IVALEROW	NS1	TX	16,834	16,834	16,834	16,834	16,834	16,834	16,834	16,834	16,834	16,834	16,834	16,834	FT1	16,834	880.24	
117	BP Energy Company	FT25N000	09/01/2006	10/31/2008	RIOVISTA	IVALEROW	NS1	TX	2,458	2,458	2,458	2,458	2,458	2,458	2,458	2,458	2,458	2,458	2,458	2,458	FT1	2,458	804.49	
118	BP Energy Company	FT2LJ000	2/1/2008	12/31/2009	IBIGBLUE	ICOMINCO	AN2	TX	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	FT1	32,000	30.44	
119	BP Energy Company	FT2FB000	07/01/2007	06/30/2008	BONDADST	DSWG PHW	AN2	AZ	1,100		1,100	1,100	1,100	1,100	1,100						FT1	642	621.36	
120	BP Energy Company	FT2FB000	07/01/2007	06/30/2008	BONDADST	DSWG PHX	NS2	AZ								1,100	1,100				FT1	183	621.36	
121	BP Energy Company	FT2FB000	07/01/2007	06/30/2008	WAHA	DSWG PHW	SS1	AZ		1,100											FT1	92	650.57	
122	BP Energy Company	FT2FB000	07/01/2007	06/30/2008	WAHA	DSWG PHX	SS1	AZ							1,100						FT1	183	650.57	
123	BP Energy Company	9NXXB	05/01/2004	04/30/2014	BONDADST	DBLANCO	NN3	WB	140,280	140,280	140,280	140,280	140,280	140,280	140,280	140,280	140,280	140,280	140,280	140,280	FT1	140,280	70.86	
124	BP Energy Company	FT2LJ000	2/1/2008	12/31/2009	PLAINS	ICOMINCO	AN2	TX	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	FT1	20,000	432.57	
125	California Department of Water Resources	FT2JW000	01/01/2008	12/31/2010	BLANCO	IMSQUITE	NS3	AZ	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	FT1	20,000	693.32	
126	California Department of Water Resources	9TBU	01/01/2006	12/31/2010	DAGMOJ	DSCALEHR	CC2	CA	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	FT1	15,000	174.15	
127	Chemical Lime Company of Arizona	982F	10/01/1991	09/30/2011	BLANCO	DPAULWIL	NS1	AZ	1	2	1							275	132	11	FT2	35	1,158.54	
128	Chemical Lime Company of Arizona	982F	10/01/1991	09/30/2011	BONDAD	DPAULWIL	NS1	AZ											36	18	2	FT2	5	1,219.85
129	Chemical Lime Company of Arizona	982F	10/01/1991	09/30/2011	BONDADST	DPAULWIL	NS1	AZ	1	1								128	62	5	FT2	16	1,226.98	
130	Chemical Lime Company of Arizona	982F	10/01/1991	09/30/2011	RIOVISTA	DPAULWIL	NS1	AZ											19	9	1	FT2	2	1,151.23
131	City of Benson, Arizona	982B	10/01/1991	09/30/2011	BLANCO	DBENSTUS	NS1	AZ	502	404	329	239	116	69	87	105	309	244	303	477	FT2	265	1,177.09	
132	City of Benson, Arizona	982B	10/01/1991	09/30/2011	BONDAD	DBENSTUS	NS1	AZ	66	53	44	31	16	9	12	14	41	32	40	64	FT2	35	1,238.40	
133	City of Benson, Arizona	982B	10/01/1991	09/30/2011	BONDADST	DBENSTUS	NS1	AZ	232	186	152	110	55	32	41	49	144	112	141	221	FT2	123	1,245.53	
134	City of Benson, Arizona	982B	10/01/1991	09/30/2011	RIOVISTA	DBENSTUS	NS1	AZ	34	27	23	16	8	5	6	7	22	16	22	32	FT2	18	1,169.78	
135	City of Deming	982H	10/01/1991	09/30/2011	BLANCO	DDEM AFT	NS1	NM	1,987	1,847	1,528	2,366	862	855	1,101	1,554	3,339	2,768	1,617	1,861	FT2	1,807	1,008.73	
136	City of Deming	982H	10/01/1991	09/30/2011	BONDAD	DDEM AFT	NS1	NM	263	244	202	313	114	112	146	205	441	366	214	246	FT2	239	1,070.04	
137	City of Deming	982H	10/01/199																					



**EL PASO NATURAL GAS COMPANY**  
**Long-Term Firm Contract Details**

Docket No. RP08-\_\_\_\_  
 Schedule J-1 Workpaper 2  
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Line No.	Company Name	Agmt Code	Effective Date	Prim Term End Date	Receipt Loc Code	Delivery Loc Code	Delv Path	Zone	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Sch	Annual Average	Mileage	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)		
238	Dumas, Texas, City of	97ZQ	09/01/1991	08/31/2011	BONDADST	DDUMSDIN	NN3-AN1	TX	806	815	641	305	98	65	59	61	95	170	384	697	FT2	350	994.88	
239	Dumas, Texas, City of	97ZQ	09/01/1991	08/31/2011	RIOVISTA	DDUMSDIN	NN3-AN1	TX	117	119	94	44	14	10	9	9	14	25	56	102	FT2	51	919.13	
240	Duncan Rural Services Corporation	982J	11/01/1991	10/31/2011	BLANCO	DDUN G-M	NS1	AZ	223	218	242	345	157	210	131	92	228	328	166	236	FT2	215	1,096.32	
241	Duncan Rural Services Corporation	982J	11/01/1991	10/31/2011	BONDAD	DDUN G-M	NS1	AZ	29	29	32	45	21	27	18	13	30	43	22	31	FT2	28	1,157.63	
242	Duncan Rural Services Corporation	982J	11/01/1991	10/31/2011	BONDADST	DDUN G-M	NS1	AZ	104	102	111	159	72	97	61	43	106	152	76	109	FT2	99	1,164.77	
243	Duncan Rural Services Corporation	982J	11/01/1991	10/31/2011	RIOVISTA	DDUN G-M	NS1	AZ	15	15	16	23	11	14	9	6	15	23	11	16	FT2	15	1,089.01	
244	Dynegy Marketing and Trade	H222D000	06/01/2007	10/31/2009	BLANCO	IARLVALY	CC1	AZ				5,800	5,800	5,800	5,800	5,800	5,800	5,800			FTH12	3,383	875.16	
245	Dynegy Marketing and Trade	H222D000	06/01/2007	10/31/2009	BLANCO	IARLVALY	NS1	AZ				4,000	4,000	4,000	4,000	4,000	4,000	4,000			FTH12	2,333	1,330.81	
246	Dynegy Marketing and Trade	H222D000	06/01/2007	10/31/2009	BLANCO	IARLVALY	NS3	AZ				35,700	35,700	35,700	35,700	35,700	35,700	35,700			FTH12	20,825	816.88	
247	Eagle Energy Partners I, LP	FT2MH000	04/01/2008	03/31/2009	ILEARWAS	DPG&ETOP	AN2-NN2	CA	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	448.86
248	El Paso Electric Company	H6223000	08/01/2006	12/31/2011	BLANCO	DEPECAFT	CC1	TX	1,191	1,648	2,299	2,852	2,550	1,918	2,051	1,305	2,409	2,500	2,063	960	FTH16	1,979	810.22	
249	El Paso Electric Company	H6223000	08/01/2006	12/31/2011	BLANCO	DEPECAFT	NS1	TX	6,242	2,207	4,224	3,362	5,588	2,981	4,169	2,699	3,007	1,470	3,277	4,514	FTH16	3,645	974.66	
250	El Paso Electric Company	H6223000	08/01/2006	12/31/2011	BLANCO	DEPECAFT	NS3	TX	5,498	7,143	9,646	15,085	12,676	11,879	12,487	7,882	12,954	14,460	9,125	2,256	FTH16	10,159	751.94	
251	El Paso Electric Company	H6223000	08/01/2006	12/31/2011	BLANCO	DEPECAFT	NSV	TX	399	501	447	458	427	167	480	251	540	917	627	329	FTH16	462	751.94	
252	El Paso Electric Company	H6223000	08/01/2006	12/31/2011	BLANCO	DEPECELP	CC1	TX	2,722	2,747	2,513	3,002	2,008	2,875	2,102	1,960	2,702	4,162	2,899	1,597	FTH16	2,607	810.22	
253	El Paso Electric Company	H6223000	08/01/2006	12/31/2011	BLANCO	DEPECELP	NS1	TX	4,865	9,321	8,224	6,742	6,432	8,673	6,871	7,552	6,488	7,649	8,488	4,843	FTH16	7,179	915.07	
254	El Paso Electric Company	H6223000	08/01/2006	12/31/2011	BLANCO	DEPECELP	NS3	TX	5,533	6,272	6,622	12,671	7,952	13,618	10,214	8,323	11,424	18,906	9,125	2,256	FTH16	9,435	751.94	
255	El Paso Electric Company	H6223000	08/01/2006	12/31/2011	BLANCO	DEPECELP	NSV	TX	912	835	485	481	334	253	496	374	608	1,528	879	549	FTH16	645	751.94	
256	El Paso Electric Company	H6223000	08/01/2006	12/31/2011	KEYSTONE	DEPECAFT	SS1	TX	12,066	14,916	12,303	12,371	14,658	17,048	15,599	17,629	15,663	15,491	12,981	16,461	FTH16	14,766	407.91	
257	El Paso Electric Company	H6223000	08/01/2006	12/31/2011	KEYSTONE	DEPECELP	SS1	TX	41,515	35,779	37,664	39,910	44,120	24,146	31,522	37,349	30,783	12,813	36,099	33,489	FTH16	33,766	348.32	
258	El Paso Electric Company	H6223000	08/01/2006	12/31/2011	WAHA	DEPECAFT	SS1	TX	15,604	14,585	12,081	15,872	14,101	16,007	15,214	20,234	15,427	15,162	12,787	15,802	FTH16	15,240	308.01	
259	El Paso Electric Company	H6223000	08/01/2006	12/31/2011	WAHA	DEPECELP	SS1	TX	16,325	16,918	16,061	17,194	19,154	30,435	28,795	24,442	27,995	34,942	14,382	29,138	FTH16	22,982	248.42	
260	El Paso Marketing, L.P.	FT2K2000	04/01/2008	03/31/2009	KEYSTONE	IWILCOXD	SS1	AZ	64,500	64,500	64,500	64,500	64,500	64,500	64,500	64,500	64,500	64,500	64,500	64,500	64,500	64,500	64,500	534.62
261	El Paso Marketing, L.P.	FT2K2000	04/01/2008	03/31/2009	WAHA	IWILCOXD	SS1	AZ	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	349.80
262	EMW Gas Association	982K	11/01/1991	10/31/2011	BLANCO	DEMWW EMW	NN3	NM	1,715	1,552	1,223	573	456	349	307	405	323	571	1,125	1,757	FT2	863	349.80	
263	EMW Gas Association	982K	11/01/1991	10/31/2011	BONDAD	DEMWW EMW	NN3	NM	227	205	161	76	61	46	41	54	43	75	149	233	FT2	114	411.11	
264	EMW Gas Association	982K	11/01/1991	10/31/2011	BONDADST	DEMWW EMW	NN3	NM	796	718	566	266	211	161	143	187	150	265	521	815	FT2	400	418.24	
265	EMW Gas Association	982K	11/01/1991	10/31/2011	RIOVISTA	DEMWW EMW	NN3	NM	116	105	83	39	31	24	22	27	23	39	76	119	FT2	59	342.49	
266	Gila River Power, L.P.	H622A000	04/01/2008	10/31/2008	KEYSTONE	IGILARVR	SS1	AZ				10,000	10,000	10,000	10,000	10,000	10,000	10,000			FTH16	5,833	754.60	
267	Gila River Power, L.P.	H6225000	04/01/2007	10/31/2010	BLANCO	IGILARVR	NS1	AZ				30,450	29,300	17,100	15,000	21,400	8,000	20,000			FTH16	11,771	1,321.35	
268	Gila River Power, L.P.	H6225000	04/01/2007	10/31/2010	KEYSTONE	IGILARVR	SS1	AZ				31,600	43,800	45,900	39,500	52,900	10,450	10,450			FTH16	18,679	754.60	
269	Gila River Power, L.P.	H6227000	04/01/2007	10/31/2010	BLANCO	IGILARVR	NS3	AZ				9,550	19,100	19,100	19,100	19,100	9,550				FTH16	9,550	751.94	
270	Gila River Power, L.P.	H6229000	04/01/2008	10/31/2008	BLANCO	IGILARVR	CC1	AZ				20,000	10,000	9,300	4,700	11,000	14,200	9,000			FTH16	6,517	810.22	
271	Gila River Power, L.P.	H6229000	04/01/2008	10/31/2008	BLANCO	IGILARVR	NS1	AZ					7,000	6,400	5,800	5,000	5,800	5,600			FTH16	2,967	1,321.35	
272	Gila River Power, L.P.	H6229000	04/01/2008	10/31/2008	KEYSTONE	IGILARVR	SS1	AZ					3,000	4,300	9,500	4,000	5,400				FTH16	2,183	754.60	
273	Gila River Power, L.P.	H622B000	06/01/2007	10/31/2009	KEYSTONE	IGILARVR	SS1	AZ				5,000	10,000	10,000	10,000	10,000	10,000	5,000			FTH8	5,000	754.60	
274	Gila River Power, L.P.	FT2M2000	11/01/2008	03/31/2009	KEYSTONE	DSCALEHR	SS1	CA	45,000	45,000	45,000										FT1	18,750	869.21	
275	Graham County Utilities, Inc.	97ZP	09/01/1991	08/31/2011	BLANCO	DGRHMG-M	NS1	AZ	1,803	1,267	1,019	1,025	371	379	253	302	632	1,124	966	1,605	FT2	896	1,154.55	
276	Graham County Utilities, Inc.	97ZP	09/01/1991	08/31/2011	BONDAD	DGRHMG-M	NS1	AZ	238	167	135	136	49	50	33	40	83	149	127	212	FT2	118	1,215.86	
277	Graham County Utilities, Inc.	97ZP	09/01/1991	08/31/2011	BONDADST	DGRHMG-M	NS1	AZ	836	589	473	475	171	175	116	141	292	520	448	743	FT2	415	1,222.99	
278	Graham County Utilities, Inc.	97ZP	09/01/1991	08/31/2011	RIOVISTA	DGRHMG-M	NS1	AZ	122	86	69	69	25	26	17	22	42	75	66	109	FT2	61	1,147.24	
279	Intel Corporation	FT2EW000	06/01/2007	05/31/2009	BONDADST	DSWG PHX	NS2	AZ	3,800	3,800		3,800	3,800	3,800	3,800	3,800	3,800				FT1	3,167	621.36	
280	Intel Corporation	FT2EW000	06/01/2007	05/31/2009	WAHA	DSWG PHX	SS1	AZ				3,800										FT1	633	650.57
281	Louis Dreyfus Energy Services L.P.	FT2M3000	04/01/2008	03/31/2010	WAHA	IOASISWA	VA	WB	20,263	20,263	20,263	20,263	20,263	20,263	20,263	20,263	20,263	20,263	20,263	20,263	FT1	20,263	23.67	
282	McLean, Texas, City of	97ZM	09/01/1991	08/31/2011	BLANCO	DMCLNPNAN	NN3-AN1	TX	143	156	125	55	50	24	12	5	1	16	63	123	FT2	64	1,044.58	
283	McLean, Texas, City of	97ZM	09/01/1991	08/31/2011	BONDAD	DMCLNPNAN	NN3-AN1	TX	19	21	17	8	7	3	2	1	2	8	17	FT2	9	1,105.89		
284	McLean, Texas, City of	97ZM	09/01/1991	08/31/2011	BONDADST	DMCLNPNAN	NN3-AN1	TX	66	72	58	25	22	12	6	2	7	28	58	FT2	30	1,113.02		
285	McLean, Texas, City of	97ZM	09/01/1991	08/31/2011	RIOVISTA	DMCLNPNAN	NN3-AN1	TX	10	11	8	4	3	2	1	1	4	8	4	8	FT2	4	1,037.27	
286	Merrill Lynch Commodities, Inc.	FT2FJ000	07/01/2007	07/31/2012	WAHA	IOASISWA	VA	WB	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	23.67
287	Merrill Lynch Commodities, Inc.	FT2FT000	09/01/2007	10/31/2011	WAHA	IOASISWA	VA	WB	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	23.67
288	Mexicana de Cobre, S. A. de C. V.	FT234000	06/01/2006	05/31/2009	KEYSTONE	IDOUGLAS	SS1	AZ	11,400	11,400	11,400	11,400	11,400	11,400	11,400	11,400	11,400	11,400	11,400	11,400	11,400	11,400	11,400	581.63
289	MGI Supply, Ltd	9MDQ	06/01/2001	12/30/2010	KEYSTONE	ISAMLELP	SS1	TX	11,496	11,496	11,496	11,496	11,496	11,496	11,496	11,496	11,496	11,496	11,496	11,496	11,496	11,496	11,496	334.62
290	MGI Supply, Ltd	FT2GV0																						

EL PASO NATURAL GAS COMPANY  
Long-Term Firm Contract Details

Line No.	Company Name	Agmt Code	Effective Date	Prim Term End Date	Receipt Loc Code	Delivery Loc Code	Delv Path	Zone	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Sch	Annual Average	Mileage
(a)	(b)	(c)	(d)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)
317	Navajo Tribal Utility Authority	FT2AL000	02/01/2007	10/31/2011	WAHA	DNTUASJE	SN1	AZ	1,316	1,274	891	563	334	315	316	314	317	447	924	1,062	FT1	673	702.29
318	Navajo Tribal Utility Authority	FT2AM000	02/01/2007	10/31/2011	BLANCO	DNTUAFCP	NN3	WB	2,585	2,502	1,858	1,207	744	750	750	751	722	980	1,986	2,132	FT1	1,414	43.08
319	Navajo Tribal Utility Authority	FT2AN000	02/01/2007	06/30/2014	BLANCO	DNTUAFCP	NN3	WB	1,330	1,296	958	621	384	387	387	387	373	504	1,023	1,099	FT1	729	43.08
320	Navajo Tribal Utility Authority	FT2AN000	02/01/2007	06/30/2014	KEYSTONE	DNTUASJE	SN1	AZ	1,878	1,830	1,351	876	541	546	546	547	525	712	1,444	1,551	FT1	1,029	802.19
321	New Harquahala Generating Company, LLC	FT2Y7000	10/06/2006	03/31/2015	KEYSTONE	DSCALEHR	SS1	CA	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	FT1	15,000	869.21
322	New Harquahala Generating Company, LLC	H222A000	04/01/2007	10/31/2009	KEYSTONE	IHARQULA	SS1	AZ				40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	FT1H2	23,333	787.01
323	New Harquahala Generating Company, LLC	H222A000	04/01/2007	10/31/2009	WAHA	IHARQULA	SS1	AZ				5,000	50,000	50,000	50,000	50,000	50,000	50,000	5,000		FT1H2	21,667	687.11
324	ONEOK Energy Services Company, L.P.	FT2KM000	01/01/2008	12/31/2008	KEYSTONE	IW40-043	SN3-AN1	WB	12,226	12,226	12,226	12,226	12,226	12,226	12,226	12,226	12,226	12,226	12,226	12,226	FT1	12,226	81.73
325	ONEOK Energy Services Company, L.P.	FT2N7000	04/01/2008	12/31/2008	PLAINS	IWTGAMER	AN1	TX	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	FT1	3,500	430.58
326	Odessa-Ector Power Partners, L.P.	9L6Y	07/01/2001	06/30/2011	KEYSTONE	IODESAC	VA	WB	46,214	46,214	46,214	46,214	46,214	46,214	46,214	46,214	46,214	46,214	46,214	46,214	FT1	46,214	78.82
327	Odessa-Ector Power Partners, L.P.	9L6Y	07/01/2001	06/30/2011	PLAINS	IODESAC	AN2-NS1	WB	7,613	7,613	7,613	7,613	7,613	7,613	7,613	7,613	7,613	7,613	7,613	7,613	FT1	7,613	175.85
328	Odessa-Ector Power Partners, L.P.	9L6Y	07/01/2001	06/30/2011	WAHA	IODESAC	VA	WB	31,512	31,512	31,512	31,512	31,512	31,512	31,512	31,512	31,512	31,512	31,512	31,512	FT1	31,512	23.67
329	Pacific Gas and Electric Company,	9RJR	07/01/2005	06/30/2010	BLANCO	DPG&ETOP	NN1	CA	46,657	46,657	46,657	46,657	46,657	46,657	46,657	46,657	46,657	46,657	46,657	46,657	FT1	46,657	551.10
330	Pacific Gas and Electric Company,	9RJR	07/01/2005	06/30/2010	BONDADST	DPG&ETOP	NN1	CA	3,840	3,840	3,840	3,840	3,840	3,840	3,840	3,840	3,840	3,840	3,840	3,840	FT1	3,840	619.54
331	Pacific Gas and Electric Company,	9RJR	07/01/2005	06/30/2010	IMOITRKA	DPG&ETOP	NN1	CA	733	733	733	733	733	733	733	733	733	733	733	733	FT1	733	548.98
332	Pacific Gas and Electric Company,	9RJR	07/01/2005	06/30/2010	ISJCMPLX	DPG&ETOP	NN1	CA	13,416	13,416	13,416	13,416	13,416	13,416	13,416	13,416	13,416	13,416	13,416	13,416	FT1	13,416	548.73
333	Pacific Gas and Electric Company,	9RJE	07/01/2005	06/30/2012	BLANCO	DPG&ETOP	NN1	CA	116,035	116,035	116,035	116,035	116,035	116,035	116,035	116,035	116,035	116,035	116,035	116,035	FT1	116,035	551.10
334	Pacific Gas and Electric Company,	9RJG	07/01/2005	06/30/2010	BLANCO	DPG&ETOP	NN1	CA	21,093	21,093	21,093	21,093	21,093	21,093	21,093	21,093	21,093	21,093	21,093	21,093	FT1	21,093	551.10
335	Phelps Dodge Corporation	FT2CD000	04/01/2007	12/31/2013	KEYSTONE	DPD MIA	SS1	AZ	12,317	10,217	11,418	10,406	9,914	12,500	12,500	12,500					FT1	8,119	652.47
336	Phelps Dodge Corporation	FT2CD000	04/01/2007	12/31/2013	WAHA	DPD HUR	SS1	NM						99	444	4,036					FT1	382	400.71
337	Phelps Dodge Corporation	FT2CD000	04/01/2007	12/31/2013	WAHA	DPD SIL	SS1	NM	3,016	3,016	3,016	3,016	3,016	3,016	3,016	3,016					FT1	2,262	408.11
338	Phelps Dodge Corporation	FT2CD000	04/01/2007	12/31/2013	WAHA	DPD WIL	SS1	AZ	675	675	675	675	675	675	675	675					FT1	506	508.72
339	Phelps Dodge Corporation	FT2CD000	04/01/2007	12/31/2013	WAHA	DPD NOG	SS1	AZ	1,247	1,247	1,247	1,247	1,247	1,247	1,247	1,247					FT1	935	594.61
340	Phelps Dodge Corporation	FT2CD000	04/01/2007	12/31/2013	WAHA	ILUNAPWR	SS1	NM	2,060	3,370	7,012	8,107	9,155	10,449	10,830	9,325			726		FT1	5,311	373.19
341	Phelps Dodge Corporation	FT2CE000	04/01/2007	12/31/2013	KEYSTONE	DPD WIL	SS1	AZ													FT1	754	508.01
342	Phelps Dodge Corporation	FT2CE000	04/01/2007	12/31/2013	KEYSTONE	DPD MIA	SS1	AZ													FT1	169	608.62
343	Phelps Dodge Corporation	FT2CE000	04/01/2007	12/31/2013	KEYSTONE	DPD NOG	SS1	AZ													FT1	405	652.47
344	Phelps Dodge Corporation	FT2CE000	04/01/2007	12/31/2013	KEYSTONE	DPD NOG	SS1	AZ													FT1	312	694.51
345	Phelps Dodge Corporation	FT2CE000	04/01/2007	12/31/2013	KEYSTONE	ILUNAPWR	SS1	NM	2,187	1,253	50	1,036	1,550	862	742	396	12,991	10,031	7,391	5,180	FT1	3,639	473.09
346	Phelps Dodge Corporation	FT2CE000	04/01/2007	12/31/2013	WAHA	DMORADMN	SS1	AZ	132	132	132	132	132	132	132	132	132	132	132	132	FT1	132	552.57
347	Phelps Dodge Corporation	FT2CE000	04/01/2007	12/31/2013	WAHA	DMORSMLT	SS1	AZ	133	133	133	133	133	128	124	113	133	133	133	133	FT1	130	552.57
348	Phelps Dodge Corporation	FT2CE000	04/01/2007	12/31/2013	WAHA	DPD MOR	SS1	AZ	3,102	3,102	3,102	3,102	3,102	3,102	3,102	3,102	3,102	3,102	3,102	3,102	FT1	3,102	552.57
349	Phelps Dodge Corporation	FT2CE000	04/01/2007	12/31/2013	WAHA	DSUG ELP	SS1	TX	8,680	8,679	8,680	8,693	8,682	8,389	8,132	7,379	1,882	4,116	2,045	8,669	FT1	7,002	245.81
350	Phelps Dodge Corporation	FT2CF000	04/01/2007	12/31/2013	BLANCO	DPD HUR	NS3	NM	11,000	11,000	11,000	11,000	11,000	10,901	10,556	6,964	11,000	11,000	11,000	11,000	FT1	10,618	751.94
351	Phelps Dodge Corporation	FT2CF000	04/01/2007	12/31/2013	BLANCO	DPD MIA	NS3	AZ	2,219	1,283	82	2,084	2,586								FT1	3,559	751.94
352	Phelps Dodge Corporation	FT2CF000	04/01/2007	12/31/2013	BLANCO	ILUNAPWR	NS3	NM	7,768	7,393	4,953	1,859	308								FT1	4,342	751.94
353	Pinal Energy, LLC	FT2F8000	07/01/2007	10/31/2009	WAHA	DSWG PHX	SS1	AZ	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	FT1	4,200	650.57
354	Public Service Co of New Mexico	FT27L000	10/01/2006	04/30/2013	KEYSTONE	DGCNMLA	SS1	NM	14,955	13,816	12,053	7,700	5,800	5,800	5,516	5,494	5,800	7,700	12,172	13,066	FT1	9,156	350.01
355	Public Service Co of New Mexico	FT27L000	10/01/2006	04/30/2013	KEYSTONE	DGCNMTA1	SS1	NM	992	992	992	609	370	370	370	370	370	609	992	992	FT1	669	393.86
356	Public Service Co of New Mexico	FT27L000	10/01/2006	04/30/2013	KEYSTONE	DGCNMTOC	SS1	NM	5,226	5,226	5,226	4,141	2,874	2,874	2,874	2,874	2,874	4,141	5,226	5,226	FT1	4,065	428.92
357	Public Service Co of New Mexico	FT27L000	10/01/2006	04/30/2013	KEYSTONE	DPNM HRE	SS1	NM	2,617	2,617	2,617	1,554	862	862	862	862	862	1,554	2,617	2,617	FT1	1,709	504.61
358	Public Service Co of New Mexico	FT27L000	10/01/2006	04/30/2013	WAHA	DGCNMLA	SS1	NM	437	1,576	3,339										FT1	957	250.11
359	Public Service Co of New Mexico	FT27N000	10/01/2006	04/30/2013	BLANCO	DPNMTATU	NN3	NM	130	130	130	130	130	130	130	130	130	130	130	130	FT1	130	543.02
360	Public Service Co of New Mexico	FT27N000	10/01/2006	04/30/2013	KEYSTONE	DGCNMEP1	SS1	NM	4,856	4,856	4,856	1,513	1,000	1,000	1,000	1,000	1,000	1,513	4,856	4,856	FT1	2,692	393.86
361	Public Service Co of New Mexico	FT27N000	10/01/2006	04/30/2013	KEYSTONE	DPNM HUR	SS1	NM	7,101	7,101	7,101	3,312	1,746	1,746	1,746	1,746	1,746	3,312	7,101	7,101	FT1	4,238	504.61
362	Public Service Co of New Mexico	FT27N000	10/01/2006	04/30/2013	KEYSTONE	DPNM TYR	SS1	NM	239	239	239	136	136	136	136	136	136	239	239	239	FT1	179	504.61
363	Public Service Co of New Mexico	FT27N000	10/01/2006	04/30/2013	KEYSTONE	DWGI AT2	SS1	TX	151	151	151	40	40	40	40	40	40	151	151	FT1	86	399.26	
364	Public Service Co of New Mexico	FT27N000	10/01/2006	04/30/2013	KEYSTONE	DWGI EP1	SS1	TX	400	400	400	100	100	100	100	100	100	400	400	FT1	225	399.26	
365	Public Service Co of New Mexico	FT27Q000	10/01/2006	04/30/2013	BLANCO	DGCNMFAR	NN3-AN1	NM	20,000	20,000	20,000	12,800	6,400	6,400	6,400	6,400	6,400	12,800	20,000	20,000	FT1	13,133	777.31
366	Public Service Co of New Mexico	FT27Q000	10/01/2006	04/30/2013	BLANCO	DGCNMGAL	NN3	WB	12,758	12,758	12,758	8,482	2,482	2,482	2,482	2,482	2,482	8,482	12,758	12,758	FT1	7,764	176.10
367	Public Service Co of New Mexico	FT27Q000	10/01/2006	04/30/2013	BLANCO	DGCNMSJT	NN3	WB	17,000	17,000	17,000	17,000	5,900	5,900	5,900	5,900	5,900	17,000	17,000	17,000	FT1	12,375	20.43
368	Public Service Co of New Mexico	FT27Q000	10/01/2006	04/30/2013	BLANCO	DGCNMSJX	NN3	NM	17,966	17,966	17,966	8,905	5,884	5,884	5,884	5,884	5,884	8,905	17,966	17,966	FT1	11,422	300.36
369	Public Service Co of New Mexico	FT27Q000	10/01/2006	04/30/2013	BLANCO	IG																	

**EL PASO NATURAL GAS COMPANY**  
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(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	
396	Sierra Southwest Cooperative Services,	9NF9	07/01/2002	09/30/2013	BLANCO	DSWG N78	NS1	AZ	269	364	384	411	392	429	415	390	377	371	340	279	FT1	368	1,265.87
397	Sierra Southwest Cooperative Services,	9NF9	07/01/2002	09/30/2013	BLANCO	DSWG PHW	NS3	AZ	1,770	1,570	1,414	1,223	1,268	1,151	1,111	1,086	1,184	1,258	1,440	1,640	FT1	1,343	803.29
398	Sierra Southwest Cooperative Services,	9NF9	07/01/2002	09/30/2013	BLANCO	DSWG S78	NS1	AZ	731	636	616	589	608	571	585	610	623	629	660	721	FT1	632	1,229.65
399	Sierra Southwest Cooperative Services,	9NF9	07/01/2002	09/30/2013	BONDADST	DSWG DGN	NS3	AZ	51	55	35	28	28	54	80	98	133	107	67	33	FT1	64	820.38
400	Sierra Southwest Cooperative Services,	9NF9	07/01/2002	09/30/2013	BONDADST	DSWG EUR	NS3	AZ	138	116	110	77	105	60	40	35	50	77	121	136	FT1	89	820.38
401	Sierra Southwest Cooperative Services,	9NF9	07/01/2002	09/30/2013	BONDADST	DSWG HAV	NS3	AZ	206	220	182	171	171	174	194	173	138	200	207	172	FT1	184	772.67
402	Sierra Southwest Cooperative Services,	9NF9	07/01/2002	09/30/2013	WAHA	DSWG N78	SS1	AZ	569	784	740	633	450	366	368	399	419	467	629	755	FT1	548	563.00
403	Sierra Southwest Cooperative Services,	9NF9	07/01/2002	09/30/2013	WAHA	DSWG PHW	SS1	AZ	640	691	691	713	705	717	716	711	713	707	669	647	FT1	693	650.57
404	Sierra Southwest Cooperative Services,	9NF9	07/01/2002	09/30/2013	WAHA	DSWG PHX	SS1	AZ	360	309	309	287	295	283	284	289	287	293	331	353	FT1	307	650.57
405	Sierra Southwest Cooperative Services,	9NF9	07/01/2002	09/30/2013	WAHA	DSWG TUS	SS1	AZ	26	24	22	22	22	20	20	20	22	20	24	26	FT1	22	563.00
406	Sierra Southwest Cooperative Services,	FT2G2000	08/01/2007	07/31/2012	KEYSTONE	DSWG PHW	SS1	AZ				600	600	600	600	600	600	600	600		FT1	350	750.47
407	Sierra Southwest Cooperative Services,	FT2G2000	08/01/2007	07/31/2012	KEYSTONE	DSWG PHX	SS1	AZ				900	900	900	900	900	900	900			FT1	525	750.47
408	Sierra Southwest Cooperative Services,	FT2G2000	08/01/2007	07/31/2012	WAHA	DSWG PHW	SS1	AZ	600	600	600								600	600	FT1	250	650.57
409	Sierra Southwest Cooperative Services,	FT2G2000	08/01/2007	07/31/2012	WAHA	DSWG PHX	SS1	AZ	900	900	900								900	900	FT1	375	650.57
410	Sierra Southwest Cooperative Services,	FT2NJ000	04/07/2008	03/31/2010	WAHA	DSWG PHW	SS1	AZ	630	630	630	630	630	630	630	630	630	630	630	630	FT1	630	650.57
411	Smithfield Beef Group - Tollson, Inc.	FT2E4000	05/01/2007	04/30/2009	BONDADST	DSWG PHW	NS2	AZ	900	900	900	900	900	900	900	900	900	900	900	900	FT1	900	621.36
412	Southern California Gas Company	9RBW	09/01/2006	08/31/2011	BLANCO	DSCALEHR	CC1	CA	46,540	46,677	45,435	44,359	40,973	38,861	36,625	36,879	41,099	41,661	43,718	45,865	FT1	42,391	707.15
413	Southern California Gas Company	9RBW	09/01/2006	08/31/2011	BLANCO	DSCALEHR	NS1	CA	32,315	33,594	36,528	34,099	43,093	46,376	44,058	45,309	36,427	30,906	35,790	31,788	FT1	37,524	1,435.96
414	Southern California Gas Company	9RBW	09/01/2006	08/31/2011	BLANCO	DSCALEHR	NS3	CA	228,931	228,983	233,025	239,691	234,584	236,798	236,229	236,225	236,120	235,000	230,103	229,489	FT1	233,765	715.89
415	Southern California Gas Company	9RBW	09/01/2006	08/31/2011	BLANCO	DSCALEHR	NSV	CA	15,094	13,626	7,892	4,731	4,229	846	5,968	4,467	9,234	15,314	13,268	15,738	FT1	9,201	715.89
416	Southern California Gas Company	9RBX	09/01/2006	08/31/2010	BLANCO	DSCALTOP	NN1	CA	96,881	96,007	95,158	90,175	85,805	80,813	80,413	80,625	85,536	85,959	90,334	92,461	FT1	88,347	551.10
417	Southern California Gas Company	9RBX	09/01/2006	08/31/2010	BONDAD	DSCALTOP	NN1	CA	37,217	37,407	37,838	39,132	40,190	41,381	41,480	41,424	40,244	44,705	43,356	42,545	FT1	40,577	612.41
418	Southern California Gas Company	9RBX	09/01/2006	08/31/2010	BONDADST	DSCALTOP	NN1	CA	111,990	112,667	113,079	116,730	120,010	123,774	124,072	123,917	120,223	115,333	112,340	111,041	FT1	117,098	619.54
419	Southern California Gas Company	9RBZ	09/01/2006	08/31/2009	BLANCO	DSCALEHR	CC1	CA	6,285	6,297	6,029	2,715	2,434	2,235	2,100	2,120	2,440	2,583	5,846	6,247	FT1	3,944	707.15
420	Southern California Gas Company	9RBZ	09/01/2006	08/31/2009	BLANCO	DSCALEHR	CC1	CA	60,540	60,540	60,540	60,540	60,540	60,540	60,540	60,540	60,540	60,540	60,540	60,540	FT1	60,540	1,435.96
421	Southern California Gas Company	9RBZ	09/01/2006	08/31/2009	BLANCO	DSCALEHR	NS3	CA	35,280	35,417	35,760	16,752	16,495	16,284	16,071	16,180	16,185	16,484	35,554	35,589	FT1	24,338	715.89
422	Southern California Gas Company	9RBZ	09/01/2006	08/31/2009	BLANCO	DSCALEHR	NSV	CA	2,038	1,836	1,046	289	251	48	342	256	549	949	1,774	2,144	FT1	960	715.89
423	Southern California Gas Company	9RBZ	09/01/2006	08/31/2009	BONDADST	DSCALEHR	CC1	CA	3,147	3,163	3,179	3,224	3,057	2,967	2,803	2,817	3,060	2,995	3,014	3,047	FT1	3,039	775.59
424	Southern California Gas Company	9RBZ	09/01/2006	08/31/2009	BONDADST	DSCALEHR	NS3	CA	17,662	17,796	18,861	19,899	20,673	21,616	21,443	21,501	20,297	19,113	18,328	17,362	FT1	19,546	784.33
425	Southern California Gas Company	9RBZ	09/01/2006	08/31/2009	BONDADST	DSCALEHR	NSV	CA	1,020	923	552	344	315	64	456	341	688	1,100	914	1,046	FT1	647	784.33
426	Southern California Gas Company	9RC2	09/01/2006	08/31/2009	BLANCO	DSCALTOP	NN1	CA	85,765	85,765	85,765	65,585	65,585	65,585	65,585	65,585	65,585	65,585	85,765	85,765	FT1	73,993	551.10
427	Southern California Gas Company	FT2M2000	04/01/2008	03/31/2009	BLANCO	DSCALTOP	NN1	CA	12,613	12,613	12,613	12,613	12,613	12,613	12,613	12,613	12,613	12,613	12,613	12,613	FT1	12,613	551.10
428	Southern California Gas Company	FT2M2000	04/01/2008	03/31/2009	BONDADST	DSCALTOP	NN1	CA	12,525	12,525	12,525	12,525	12,525	12,525	12,525	12,525	12,525	12,525	12,525	12,525	FT1	12,525	619.54
429	Southwest Gas Corporation	FT22Z000	06/01/2006	09/30/2011	BLANCO	DSCALTOP	NN1	CA	5,385	5,385	5,385	5,385	5,385	5,385	5,385	5,385	5,385	5,385	5,385	5,385	FT1	5,385	551.10
430	Southwest Gas Corporation	FT22Z000	06/01/2006	09/30/2011	BONDADST	DSCALTOP	NN1	CA	5,385	5,385	5,385	5,385	5,385	5,385	5,385	5,385	5,385	5,385	5,385	5,385	FT1	5,385	619.54
431	Southwest Gas Corporation	FT28K000	11/01/2006	12/31/2015	BLANCO	DSWG BSB	CC1	CA				1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	FT1	583	810.22
432	Southwest Gas Corporation	FT28K000	11/01/2006	12/31/2015	BLANCO	DSWG PHW	CC1	CA				23,281	21,156	17,554	16,191	16,094	17,279	18,172			FT1	10,811	861.57
433	Southwest Gas Corporation	FT28K000	11/01/2006	12/31/2015	BLANCO	DSWG PHX	CC1	CA				16,610	15,002	12,278	11,247	11,174	12,070	12,779			FT1	7,594	861.57
434	Southwest Gas Corporation	FT28K000	11/01/2006	12/31/2015	BONDADST	DSWG AJO	CC1	CA				153	245	391	434	458	421	195			FT1	191	878.66
435	Southwest Gas Corporation	FT28K000	11/01/2006	12/31/2015	BONDADST	DSWG BSB	CC1	CA				194	145	114	107	141	122	116			FT1	78	878.66
436	Southwest Gas Corporation	FT28K000	11/01/2006	12/31/2015	BONDADST	DSWG DG1	CC1	CA				188	215	191	181	220	184	135			FT1	110	878.66
437	Southwest Gas Corporation	FT28K000	11/01/2006	12/31/2015	BONDADST	DSWG DGN	CC1	CA				284	379	435	423	425	349	170			FT1	205	878.66
438	Southwest Gas Corporation	FT28K000	11/01/2006	12/31/2015	BONDADST	DSWG DUG	CC1	CA				133	160	163	163	165	115	85			FT1	82	878.66
439	Southwest Gas Corporation	FT28K000	11/01/2006	12/31/2015	BONDADST	DSWG G-M	CC1	CA				1,282	708	534	1,496	1,269	727	1,010			FT1	586	878.66
440	Southwest Gas Corporation	FT28K000	11/01/2006	12/31/2015	BONDADST	DSWG GIL	CC1	CA				763	649	670	622	667	635	800			FT1	401	775.59
441	Southwest Gas Corporation	FT28K000	11/01/2006	12/31/2015	BONDADST	DSWG GME	CC1	CA				380	210	159	444	376	162	300			FT1	169	878.66
442	Southwest Gas Corporation	FT28K000	11/01/2006	12/31/2015	BONDADST	DSWG HAV	CC1	CA				191	332	579	438	501	361	332			FT1	228	775.59
443	Southwest Gas Corporation	FT28K000	11/01/2006	12/31/2015	BONDADST	DSWG HAY	CC1	CA				673	734	635	564	560	562	677			FT1	367	878.66
444	Southwest Gas Corporation	FT28K000	11/01/2006	12/31/2015	BONDADST	DSWG HCH	CC1	CA				1,040	1,063	988	963	1,130	918	661			FT1	564	878.66
445	Southwest Gas Corporation	FT28K000	11/01/2006	12/31/2015	BONDADST	DSWG MOR	CC1	CA				128	186	73	71	61	59	124			FT1	59	878.66
446	Southwest Gas Corporation	FT28K000	11/01/2006	12/31/2015	BONDADST	DSWG N78	CC1	CA				5,885	6,619	5,798	5,823	5,903	5,763	6,547			FT1	3,528	878.66
447	Southwest Gas Corporation	FT28K000	11/01/2006	12/31/2015	BONDADST	DSWG NOG	CC1	CA				1,844	2,829	3,795	4,106	4,337	4,165	2,033			FT1	1,926	878.66
448	Southwest Gas Corporation	FT28K000	11/01/2006	12/31/2015	BONDADST	DSWG PAL	CC1	CA				77	91	168	170	149	112	69			FT1	70	775.59
449	Southwest Gas Corporation	FT28K000	11/01/2006	12/31/2015	BONDADST	DSWG S78	CC1	CA				7,274	8,182	7,167	7,198	7,297	7,123	8,093		</			

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Line No.	Company Name	Agmt Code	Effective Date	Prim Term End Date	Receipt Loc Code	Delivery Loc Code	Delv Path	Zone	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Sch	Annual Average	Mileage			
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)				
475	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	BONDADST	DSWG HCH	CC1	AZ				1,760	1,673	1,386	1,350	1,581	1,397	1,102			FT1	854	878.66			
476	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	BONDADST	DSWG MOR	NS3	AZ	763	708	538	650	883	314	307	264	273	624	434	738	FT1	541	820.38			
477	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	BONDADST	DSWG N78	CC1	AZ				2,223	2,364	1,994	2,119	2,052	2,563	2,640			FT1	1,330	878.66			
478	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	BONDADST	DSWG NOG	NS3	AZ	2,534	1,574	1,435	3,121	4,451	5,323	5,755	6,066	6,344	3,392	595	2,134	FT1	3,560	820.38			
479	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	BONDADST	DSWG PAL	NSV	AZ	141	153	241	391	431	725	732	645	518	346	117	58	FT1	375	772.67			
480	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	BONDADST	DSWG S78	NS3	AZ				2,747	2,923	2,465	2,619	2,537	3,167	3,264			FT1	1,644	820.38			
481	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	BONDADST	DSWG SJW	NN1	AZ	1,426	1,889	1,350	3,567	2,627	1,313	1,269	1,348	1,453	1,926	188	1,328	FT1	1,640	669.25			
482	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	BONDADST	DSWG SNM	NS3	AZ	798	796	652	598	433	789	1,020	1,201	611	471	521	782	FT1	723	820.38			
483	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	BONDADST	DSWG SUP	CC1	AZ	1,745	1,088	974	2,125	3,030	3,625	3,918	4,130	4,319	2,309	393	1,471	FT1	2,427	878.66			
484	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	BONDADST	DSWG TUS	NS3	AZ				279	296	249	265	257	320	330			FT1	166	820.38			
485	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	BONDADST	DSWG WIL	NS3	AZ	1,763	1,123	5,007	4,700	9,789	11,791	12,599	10,681	7,894	3,313	1,529	1,946	FT1	6,011	820.38			
486	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	BONDADST	DSWG WNK	NS3	AZ	197	168	139	86	67	82	45	46	52	70	64	169	FT1	99	820.38			
487	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	BONDADST	DSWG YUM	CC1	AZ	4,638	3,157	2,527								541	4,025	FT1	1,241	775.59			
488	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	KEYSTONE	DSWG EUR	SS1	AZ	1	1	1	1	1	1	1	1	1	1	1	1	FT1	1	590.95			
489	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	KEYSTONE	DSWG G-M	SS1	AZ	7,020	6,937	5,748	4,362	2,249	1,561	4,363	3,703	2,269	3,412	6,309	7,021	FT1	4,580	641.85			
490	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	KEYSTONE	DSWG HAY	SS1	AZ	5,779	5,198	4,288	2,290	2,331	1,854	1,646	1,634	1,755	2,288	3,632	5,636	FT1	3,194	736.81			
491	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	KEYSTONE	DSWG HCH	SS1	AZ	6,893	4,567	2,844	3,540	3,377	2,885	2,810	3,298	2,864	2,232		6,842	FT1	3,513	670.52			
492	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	KEYSTONE	DSWG N78	SS1	AZ	2,840	2,486	2,840	2,542	5,050	8,892	9,420	9,677	8,791	9,224		2,840	FT1	5,384	662.90			
493	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	KEYSTONE	DSWG NOG	SS1	AZ	9,011	7,961	8,819	2,357	3,820	7,309	8,333	8,806	8,239	3,876	8,103	8,615	FT1	7,104	692.59			
494	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	KEYSTONE	DSWG PHW	SS1	AZ				4,093	4,901	15,613	12,122	10,712	14,066	11,762			FT1	6,106	750.47			
495	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	KEYSTONE	DSWG PHX	SS1	AZ	26,973	12,020		3,096	3,708	874		733	851		24,394	FT1	6,054	750.47				
496	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	KEYSTONE	DSWG S78	SS1	AZ	4,127	4,127	4,127	3,143	6,243	10,991	11,644	11,962	10,866	11,402		4,127	FT1	6,897	662.90			
497	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	KEYSTONE	DSWG SJW	SS1	AZ	8,355	4,749	3,130	879	486	2,665	2,576	2,736	2,950	3,909	5,134	8,156	FT1	3,810	802.19			
498	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	KEYSTONE	DSWG SUP	SS1	AZ	6,277	5,621	6,091	1,605	2,600	4,977	5,672	5,995	5,609	2,639	5,530	6,026	FT1	4,887	736.81			
499	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	KEYSTONE	DSWG TUS	SS1	AZ				318	632	1,113	1,179	1,211	1,100	1,155			FT1	559	662.90			
500	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	KEYSTONE	DSWG YUM	SS1	AZ	20,026	23,500	21,531	1,574	2,029	3,911	2,769	2,854	2,551	2,842	19,373	20,352	FT1	10,276	922.87			
501	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	WAHA	DSWG N78	SS1	AZ	5,126		2,940										2,746	FT1	901	563.00		
502	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	WAHA	DSWG PHW	SS1	AZ	83,202	49,667	13,911				3,773	4,386					68,994	FT1	18,661	650.57		
503	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	WAHA	DSWG PHX	SS1	AZ	35,155	25,164	10,420				10,936	12,023	11,421	9,906	8,046		27,142	FT1	12,518	650.57		
504	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	WAHA	DSWG S78	SS1	AZ	9,676	182	5,889										5,552	FT1	1,775	563.00		
505	Southwest Gas Corporation	FT28M000	11/01/2006	08/31/2011	WAHA	DSWG TUS	SS1	AZ	1,532	480	1,112										1,074	FT1	350	563.00		
506	Southwest Gas Corporation	FT28N000	11/01/2006	08/31/2011	KEYSTONE	DSWG PHX	SS1	AZ				26,129	18,928									FT1	3,755	750.47		
507	Southwest Gas Corporation	FT28N000	11/01/2006	08/31/2011	KEYSTONE	DSWG S78	SS1	AZ				21,474	19,740	9,698	9,132	9,246	10,902	15,453			FT1	7,970	662.90			
508	Southwest Gas Corporation	FT28N000	11/01/2006	08/31/2011	KEYSTONE	DSWG TUS	SS1	AZ				2,174	1,998	982	925	936	1,104	1,565			FT1	807	662.90			
509	Southwest Gas Corporation	FT28N000	11/01/2006	08/31/2011	KEYSTONE	DSWG YUM	SS1	AZ				10,818	10,486	5,809	4,596	4,514	4,876	6,040			FT1	3,928	922.87			
510	Southwest Gas Corporation	FT28N000	11/01/2006	08/31/2011	WAHA	DSWG N78	SS1	AZ				17,372	15,969	7,846	7,388	7,479	8,819	12,501			FT1	6,448	563.00			
511	Southwest Gas Corporation	FT28N000	11/01/2006	08/31/2011	WAHA	DSWG NOG	SS1	AZ				3,919	5,165	3,776	3,644	3,846	4,761	2,991			FT1	2,342	592.69			
512	Southwest Gas Corporation	FT28N000	11/01/2006	08/31/2011	WAHA	DSWG PHW	SS1	AZ				49,475	38,937	17,456	14,367	14,274	19,745	26,736			FT1	15,083	650.57			
513	Southwest Gas Corporation	FT28N000	11/01/2006	08/31/2011	WAHA	DSWG PHX	SS1	AZ				11,295	10,525	13,221	10,867	10,797	14,936	20,223			FT1	7,655	650.57			
514	Southwest Gas Corporation	FT28N000	11/01/2006	08/31/2011	WAHA	DSWG SUP	SS1	AZ				2,669	3,517	2,571	2,480	2,620	3,242	2,036			FT1	1,595	636.91			
515	Southwest Gas Corporation	FT28N000	11/01/2006	08/31/2011	WAHA	DSWG WIL	SS1	AZ				2,027	3,293	1,945	1,750	1,448	1,539	1,065			FT1	1,089	491.05			
516	Southwest Gas Corporation	H3224000	11/01/2006	08/31/2011	BLANCO	DSWG PHX	CC1	AZ	12,595	4,602											8,523	FTH3	2,143	861.57		
517	Southwest Gas Corporation	H3224000	11/01/2006	08/31/2011	BONDADST	DSWG G-M	NSV	AZ	1,450	1,439	1,370												593	820.38		
518	Southwest Gas Corporation	H3224000	11/01/2006	08/31/2011	BONDADST	DSWG GIL	NSV	AZ	762	865	885								1,474	1,387	FTH3	593	820.38			
519	Southwest Gas Corporation	H3224000	11/01/2006	08/31/2011	BONDADST	DSWG HCH	CC1	AZ	1,701	760	338								942	938	FTH3	366	772.67			
520	Southwest Gas Corporation	H3224000	11/01/2006	08/31/2011	BONDADST	DSWG NOG	NSV	AZ	1,820	1,820	1,820										1,434	FTH3	353	878.66		
521	Southwest Gas Corporation	H3224000	11/01/2006	08/31/2011	BONDADST	DSWG SJW	NN1	AZ	1,088	1,088	1,088								1,820	1,820	FTH3	758	820.38			
522	Southwest Gas Corporation	H3224000	11/01/2006	08/31/2011	BONDADST	DSWG YUM	CC1	AZ	3,483	3,604	3,272								1,088	1,088	FTH3	453	669.25			
523	Southwest Gas Corporation	H3224000	11/01/2006	08/31/2011	KEYSTONE	DSWG HCH	SS1	AZ	638	1,579	2,001								3,363	3,527	FTH3	1,437	775.59			
524	Southwest Gas Corporation	H3224000	11/01/2006	08/31/2011	KEYSTONE	DSWG PHX	SS1	AZ	40,417	36,787	43,914								2,339	905	FTH3	622	670.52			
525	Southwest Gas Corporation	H3224000	11/01/2006	08/31/2011	KEYSTONE	DSWG S78	SS1	AZ	609	609	609								36,952	41,258	FTH3	16,611	750.47			
526	Southwest Gas Corporation	H3224000	11/01/2006	08/31/2011	KEYSTONE	DSWG YUM	SS1	AZ	435	314	646	4,964	4,964	4,964	4,964	4,964	4,964	4,964			609	609	FTH3	254	662.90	
527	Southwest Gas Corporation	H3224000	11/01/2006	08/31/2011	WAHA	DSWG N78	SS1	AZ	8,971	8,971	8,971											555	391	FTH3	3,091	922.87
528	Southwest Gas Corporation	H3224000	11/01/2006	08/31/2011	WAHA	DSWG PHW	SS1	AZ	25,130	25,038	25,087								8,971	8,971	FTH3	3,738	563.00			
529	Southwest Gas Corporation	H3224000	11/01/2006	08/31/2011	WAHA	DSWG PHX	SS1	AZ		11,623	9,098								24,926	25,017	FTH3	10,433	650.57			
530	Southwest Gas Corporation	H3224000	11/01/2006	08/31/2011	WAHA	DSWG TUS	SS1	AZ	8,468	8,46																

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Line No.	Company Name	Agmt Code	Effective Date	Prim Term End Date	Receipt Loc Code	Delivery Loc Code	Delv Path	Zone	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Sch	Annual Average	Mileage	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)		
554	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	BLANCO	DSWG N78	NS3	AZ	5,733	4,600	8,400									9,659	FTH3	2,366	751.94	
555	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	BLANCO	DSWG PHW	NS3	AZ	52,465	41,586	30,836								27,617	46,895	FTH3	16,617	803.29	
556	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	BLANCO	DSWG PHX	NS2	AZ	59,907	53,212	47,604								41,163	55,178	FTH3	21,422	552.92	
557	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	BLANCO	DSWG PHX	NS3	AZ		6,696	8,737								12,842	4,729	FTH3	2,750	803.29	
558	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	BLANCO	DSWG S78	NS3	AZ	2,432												1,241	FTH3	306	751.94
559	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	BONDADST	DSWG G-M	NSV	AZ	2,074	2,074	2,074								2,074	2,074	FTH3	864	820.38	
560	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	BONDADST	DSWG GIL	NSV	AZ	1,392	1,392	1,392								1,392	1,392	FTH3	580	772.67	
561	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	BONDADST	DSWG HAY	CC1	AZ	1,266	1,266	1,266								1,266	1,266	FTH3	528	878.66	
562	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	BONDADST	DSWG HCH	CC1	AZ	2,642	2,642	2,642								2,355	2,642	FTH3	1,077	878.66	
563	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	BONDADST	DSWG N78	CC1	AZ	10,664	8,007	2,110								3,096	6,276	FTH3	2,513	878.66	
564	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	BONDADST	DSWG N78	NS3	AZ	5,997	6,077	6,510								5,814	5,640	FTH3	2,503	820.38	
565	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	BONDADST	DSWG NOG	NSV	AZ	2,731	2,731	2,731									2,731	FTH3	1,138	820.38	
566	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	BONDADST	DSWG S78	NS3	AZ	5,378	2,418											5,378	FTH3	1,098	820.38
567	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	BONDADST	DSWG SJW	NN1	AZ	1,694	1,694	1,694								1,694	1,694	FTH3	706	669.25	
568	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	BONDADST	DSWG SUP	NS3	AZ	1,759	1,759	1,759								1,759	1,759	FTH3	733	820.38	
569	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	BONDADST	DSWG YUM	CC1	AZ	4,866	4,866	4,866								4,866	4,866	FTH3	2,028	775.59	
570	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	KEYSTONE	DSWG G-M	SS1	AZ	230	230	230									230	230	FTH3	96	641.85
571	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	KEYSTONE	DSWG HAY	SS1	AZ	141	141	141									141	141	FTH3	59	736.81
572	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	KEYSTONE	DSWG HCH	SS1	AZ	294	294	294									581	294	FTH3	146	670.52
573	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	KEYSTONE	DSWG N78	SS1	AZ	2,390	3,700									9,846		FTH3	1,328	662.90	
574	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	KEYSTONE	DSWG NOG	SS1	AZ	304	304	304									304	304	FTH3	127	692.59
575	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	KEYSTONE	DSWG PHW	SS1	AZ	1,768	10,116										2,003		FTH3	1,157	750.47
576	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	KEYSTONE	DSWG PHX	SS1	AZ	813	813	813									813	813	FTH3	339	750.47
577	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	KEYSTONE	DSWG S78	SS1	AZ	27,763	18,802	27,039									22,877	22,811	FTH3	9,941	662.90
578	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	KEYSTONE	DSWG SJW	SN1	AZ	188	188	188									188	188	FTH3	78	802.19
579	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	KEYSTONE	DSWG SUP	SS1	AZ	195	195	195									195	195	FTH3	81	736.81
580	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	KEYSTONE	DSWG YUM	SS1	AZ	541	541	541									541	541	FTH3	225	922.87
581	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	WAHA	DSWG N78	SS1	AZ	6,350	7,669	8,023								9,987	7,169	FTH3	3,267	563.00	
582	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	WAHA	DSWG PHW	SS1	AZ	37,556	40,087	60,953								62,169	44,894	FTH3	20,472	650.57	
583	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	WAHA	DSWG PHX	SS1	AZ	6,657	6,657	10,224								12,559	6,657	FTH3	3,563	650.57	
584	Southwest Gas Corporation	N3222000	11/01/2007	08/31/2011	WAHA	DSWG S78	SS1	AZ	6,200	20,553	14,734								18,897	12,343	FTH3	6,061	563.00	
585	Southwestern Public Service	SWPS New	11/1/2008	10/31/2023	KEYSTONE	MARKWEST	SN3-AN1	WB	100,000	100,000	100,000	150,000	150,000	150,000	150,000	150,000	150,000	100,000	100,000	100,000	100,000	FT1	125,000	135.30
586	Spark Energy Gas, LP	FT2E8000	06/01/2007	05/31/2010	BLANCO	DCITZSWF	NN1	AZ	250	250	250	250	250	250	250	250	250	250	250	250	250	FT1	250	310.72
587	Spark Energy Gas, LP	FT2HQ000	11/01/2007	10/31/2012	BLANCO	DSWG PHX	NS2	AZ	300	300	300											FT1	50	552.92
588	Spark Energy Gas, LP	FT2HQ000	11/01/2007	10/31/2012	BLANCO	IHUMBIRD	NS2	AZ	300	300	300	300	300	300	300	300	300	300	300	300	300	FT1	250	563.30
589	Spark Energy Gas, LP	FT2JG000	11/1/2008	09/30/11	KEYSTONE	DSCALEHR	SS1	CA	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	FT1	4,300	869.21
590	Spark Energy Gas, LP	FT2JG000	11/1/2008	10/31/2009	BLANCO	DSWG PHW	NS2	AZ	3,700			3,700	3,700	3,700								FT1	1,542	552.92
591	Spark Energy Gas, LP	FT2JG000	11/1/2008	10/31/2009	BLANCO	DSWG PHW	NS1	AZ		3,700												FT1	308	1,317.22
592	Spark Energy Gas, LP	FT2JG000	11/1/2008	10/31/2009	BLANCO	DSWG PHW	NS3	AZ			3,700											FT1	617	803.29
593	Spark Energy Gas, LP	FT2JG000	11/1/2008	10/31/2009	KEYSTONE	DSWG PHW	NS1	AZ							3,700	3,700	3,700	3,700				FT1	1,233	750.47
594	Sterling Natural Gas, Inc.	982T	10/01/1991	09/30/2011	BLANCO	DRAM MID	NS1	TX	90	99	73	14	10	11	5		11	18	40	67	FT2	37	806.28	
595	Sterling Natural Gas, Inc.	982T	10/01/1991	09/30/2011	BONDAD	DRAM MID	NS1	TX	12	13	10	2	1	2	1		2	6	9	FT2	5	867.59		
596	Sterling Natural Gas, Inc.	982T	10/01/1991	09/30/2011	BONDADST	DRAM MID	NS1	TX	42	46	34	6	5	5	2		5	9	20	30	FT2	17	874.72	
597	Sterling Natural Gas, Inc.	982T	10/01/1991	09/30/2011	RIOVISTA	DRAM MID	NS1	TX	6	7	5	1	1	1			1	3	4	FT2	3	798.97		
598	Tenaska Marketing Ventures	FT2LK000	04/01/2008	10/31/2009	IBIGBLUE	DPG&ETOP	AN2-NN2	CA	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	FT1	30,000	448.86
599	Tenaska Marketing Ventures	FT2LW000	04/01/2008	10/31/2009	IBIGBLUE	DPG&ETOP	AN2-NN2	CA	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	FT1	20,000	448.86
600	Texas Gas Service Company, a division	FT24Z000	06/01/2006	08/31/2011	BLANCO	DSUG AT1	NS3	TX	400	400	400	400	400	400	400	400	400	400	400	400	400	FT1	400	751.94
601	Texas Gas Service Company, a division	FT24Z000	06/01/2006	08/31/2011	BLANCO	DSUG AT1	NSV	TX	700	800	800	800	1,100	700	800	1,100	1,000	600	600	500	FT1	792	751.94	
602	Texas Gas Service Company, a division	FT24Z000	06/01/2006	08/31/2011	BLANCO	DSUG ELP	NS3	TX	14,677	11,979	2,052	86	1,587	2,551	4,288	3,681	1,166	476	437	15,888	FT1	4,906	751.94	
603	Texas Gas Service Company, a division	FT24Z000	06/01/2006	08/31/2011	BLANCO	DSUG EPE	CC1	TX			484	1,500	1,745	1,069	1,924	1,044	1,556	1,462			FT1	899	810.22	
604	Texas Gas Service Company, a division	FT24Z000	06/01/2006	08/31/2011	BLANCO	DSUG EPE	NS3	TX			400	1,500	500	1,000	500	1,000	500	500			FT1	492	751.94	
605	Texas Gas Service Company, a division	FT24Z000	06/01/2006	08/31/2011	BLANCO	DSUG KWX	NS1	TX	3,000	3,000	3,000	1,500	1,250	500	500	500	700	2,000	3,000	3,200	FT1	1,846	772.77	
606	Texas Gas Service Company, a division	FT24Z000	06/01/2006	08/31/2011	BLANCO	DSUG PAN	NN3-AN1	TX	4,500	4,500	4,500	3,082	1,600	700	700	700	1,000	3,200	3,000	5,000	FT1	2,707	974.77	
607	Texas Gas Service Company, a division	FT24Z000	06/01/2006	08/31/2011	BLANCO	DSUG SKY	NN3-AN1	TX	296	296	296	99	99	99	99	99	99	296	296	296	FT1	214	993.57	
608	Texas Gas Service Company, a division	FT24Z000	06/01/2006	08/31/2011	BLANCO	DWIGI AT2	NS3	TX	108	102	129	102	82	112	194	196	179	279	150	FT1	148	751.94		
609	Texas Gas Service Company, a division	FT24Z000	06/01/2006	08/31/2011	KEYSTONE	DSUG AT1	SS1	TX	1,005	1,099	1,254	1,054	1,222	1,565	1,139	1,352	1,636	1,089	1,048	1,034	FT1	1,208	345.72	
610	Texas Gas Service Company, a division	FT24Z000	06/01/2006	08/31/2011	KEYSTONE	DSUG CRN	VA	WB	1,578	1,282	987	987	396	340	290	337	317	666	987	1,292	FT1	788	78.82	
611	Texas Gas Service Company, a division	FT24Z000	06/01/2006																					

EL PASO NATURAL GAS COMPANY  
Long-Term Firm Contract Details

Line No.	Company Name	Agmt Code	Effective Date	Prim Term End Date	Receipt Loc Code	Delivery Loc Code	Delv Path	Zone	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Sch	Annual Average	Mileage	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)		
633	Texas Gas Service Company, a division	H8229000	06/01/2006	08/31/2011	BLANCO	DSUG ELP	NSV	TX	20,000	20,000	20,000								20,000	20,000	FTH8	8,333	751.94	
634	Texas Gas Service Company, a division	H8229000	06/01/2006	08/31/2011	BLANCO	DSUG EP1	NS3	TX	4,180	4,180	4,180								4,180	4,180	FTH8	1,742	751.94	
635	Texas Gas Service Company, a division	H8229000	06/01/2006	08/31/2011	WAHA	DSUG EP1	SS1	TX	4,180	4,180	4,180								4,180	4,180	FTH8	1,742	245.81	
636	Town of Mountainair	983K	11/01/1991	10/31/2011	BLANCO	DMTNASJX	NN3	NM	182	169	125	53	34	25	24	22	14	51	117	183	FT2	83	334.58	
637	Town of Mountainair	983K	11/01/1991	10/31/2011	BONDAD	DMTNASJX	NN3	NM	23	22	17	7	5	3	3	3	2	7	16	24	FT2	11	395.89	
638	Town of Mountainair	983K	11/01/1991	10/31/2011	BONDADST	DMTNASJX	NN3	NM	83	78	59	24	16	12	11	11	7	23	55	85	FT2	39	403.02	
639	Town of Mountainair	983K	11/01/1991	10/31/2011	RIOVISTA	DMTNASJX	NN3	NM	12	11	9	4	2	2	2	2	1	3	8	12	FT2	6	327.27	
640	Tucson Electric Power Company	FT24P000	06/01/2006	01/31/2009	KEYSTONE	ILUNAPWR	SS1	NM	6,000	6,000	6,000	9,000	15,000	15,000	15,000	15,000	15,000	9,000	6,000	6,000	FT1	10,250	473.09	
641	Tucson Electric Power Company	H222C000	05/01/2007	04/30/2013	BLANCO	DTEP S78	CC1	AZ	10,000			15,000	3,500	3,000	5,900	8,800				10,000	FTH12	4,683	810.22	
642	Tucson Electric Power Company	H222C000	05/01/2007	04/30/2013	BLANCO	DTEP S78	NS1	AZ					3,750	3,750	2,000		1,100				FTH12	883	1,229.65	
643	Tucson Electric Power Company	H222C000	05/01/2007	04/30/2013	BLANCO	DTEP S78	NS3	AZ		10,000	10,000			17,500	12,000	1,300			10,000		FTH12	5,067	751.94	
644	Tucson Electric Power Company	H222C000	05/01/2007	04/30/2013	KEYSTONE	DTEP S78	SS1	AZ				42,750	25,750	30,100	39,900	48,900	25,000				FTH12	17,700	662.90	
645	Tucson Electric Power Company	H2224000	06/01/2006	01/31/2009	KEYSTONE	ILUNAPWR	SS1	NM	18,000	18,000	18,000	15,000	15,000	15,000	15,000	15,000	15,000	18,000	18,000	18,000	FTH12	16,250	473.09	
646	United Dairymen of Arizona	FT2E2000	05/01/2007	04/30/2009	BLANCO	DSWG PHX	NS2	AZ	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500			2,500	2,500	FT1	2,292	552.92	
647	United Dairymen of Arizona	FT2E2000	05/01/2007	04/30/2009	KEYSTONE	DSWG PHX	SS1	AZ											2,500		FT1	208	750.47	
648	United States Department of Interior,	9P3W	04/01/2003	03/31/2018	ICLIFSID	DCLIFNGP	AN1	WB	26,075	26,075	26,075	26,075	26,075	26,075	26,075	26,075	26,075	26,075	26,075	26,075	FT1	26,075	3.50	
649	UNS Gas, Inc.	FT24N000	06/01/2006	08/31/2011	BLANCO	DCITZSWF	NN1	AZ	4,986	5,437	11,054	6,364	434	2,082	1,295	1,483	2,079	3,906	2,728	5,892	FT1	3,978	310.72	
650	UNS Gas, Inc.	FT24N000	06/01/2006	08/31/2011	KEYSTONE	DCITZSED	SS1	AZ			3,287	4,206						165	268		FT1	661	857.57	
651	UNS Gas, Inc.	FT259000	07/01/2006	08/31/2011	BLANCO	DCITZHLJ	NN1	AZ	6,390	6,334	6,694	3,428	1,716	1,922	1,971	1,967	1,905	3,115	3,264	6,464	FT1	3,764	310.72	
652	UNS Gas, Inc.	FT259000	07/01/2006	08/31/2011	BLANCO	DCITZNOG	NS3	AZ			1,200							625			FT1	152	751.94	
653	UNS Gas, Inc.	FT259000	07/01/2006	08/31/2011	BLANCO	DCITZPHX	NS3	AZ			1,816	4,478	1,738	636			664			1,303	FT1	886	879.61	
654	UNS Gas, Inc.	FT259000	07/01/2006	08/31/2011	BLANCO	DCITZSED	NS2	AZ	4,836	4,836	4,837	2,750	1,396	1,200	1,200	1,199	1,200	924	1,067	4,836	FT1	2,523	453.85	
655	UNS Gas, Inc.	FT259000	07/01/2006	08/31/2011	BLANCO	DCITZSJE	NN1	AZ	11,356	11,297	11,862	5,299	2,500	2,180	1,825	1,858	2,078	5,526	10,091	11,573	FT1	6,454	354.01	
656	UNS Gas, Inc.	FT259000	07/01/2006	08/31/2011	BLANCO	DCITZSJV	NN1	AZ	8,760	8,775	9,784	4,000	2,381	900	900	900	900			2,073	7,459	FT1	3,898	506.03
657	UNS Gas, Inc.	FT259000	07/01/2006	08/31/2011	BLANCO	DCITZSWF	NN1	AZ	5,504	5,023		3,031	764	924	606	362					4,783	FT1	1,755	310.72
658	UNS Gas, Inc.	FT259000	07/01/2006	08/31/2011	BLANCO	DCITZWIL	NS3	AZ				597									FT1	50	751.94	
659	UNS Gas, Inc.	FT259000	07/01/2006	08/31/2011	KEYSTONE	DCITZPHX	SS1	AZ	1,271	5,082	8,368	7,825	1,396	1,129	472	761	1,201			1,133	FT1	2,387	826.79	
660	UNS Gas, Inc.	FT259000	07/01/2006	08/31/2011	KEYSTONE	DCITZSED	SS1	AZ	7,255	7,253	3,968		2,095	1,801	1,801	1,798	1,801	1,220	1,333	7,255	FT1	3,132	857.57	
661	UNS Gas, Inc.	FT259000	07/01/2006	08/31/2011	WAHA	DCITZNOG	SS1	AZ										240			FT1	20	643.90	
662	UNS Gas, Inc.	FT25A000	07/01/2006	08/31/2011	BLANCO	DCITZPHX	NS2	AZ	10,378	11,859	8,563	1,011								7,661	FT1	3,289	451.28	
663	UNS Gas, Inc.	FT25A000	07/01/2006	08/31/2011	BLANCO	DCITZPHX	NS3	AZ		580			234	117	836	819	137	1,820	2,319	1,415	FT1	690	879.61	
664	UNS Gas, Inc.	FT25A000	07/01/2006	08/31/2011	BLANCO	DCITZPRC	NS2	AZ	3,425	3,425	3,424	1,532	761	647	646	647	646	369	762	3,424	FT1	1,642	432.78	
665	UNS Gas, Inc.	FT25A000	07/01/2006	08/31/2011	KEYSTONE	DCITZPHX	SS1	AZ	5,597	1,049	6,895				782	467		2,731	3,478	6,696	FT1	2,308	826.79	
666	UNS Gas, Inc.	FT25A000	07/01/2006	08/31/2011	KEYSTONE	DCITZSJV	SN1	AZ			1,816				1,600	1,600	1,600	1,600	3,945	7,716	1,303	FT1	1,765	802.19
667	UNS Gas, Inc.	FT25A000	07/01/2006	08/31/2011	KEYSTONE	DCITZSWF	SN1	AZ						119	1,565	2,306	2,424	1,929	1,706	2,659	FT1	1,059	802.19	
668	UNS Gas, Inc.	FT25A000	07/01/2006	08/31/2011	WAHA	DCITZPHX	SS1	AZ	8,700	7,378	305									7,740	FT1	2,010	726.89	
669	UNS Gas, Inc.	FT25A000	07/01/2006	08/31/2011	WAHA	DCITZPRC	SS1	AZ	5,138	5,138	5,137	2,298	1,141	970	970	971	969	554	1,142	5,137	FT1	2,464	764.92	
670	UNS Gas, Inc.	H3222000	06/01/2006	08/31/2011	BLANCO	DCITZGIL	NSV	AZ	780	780	312	400	160	160	160	160	160	109	312	312	FTH3	317	720.43	
671	UNS Gas, Inc.	H3222000	06/01/2006	08/31/2011	BLANCO	DCITZHLJ	NN1	AZ	925	925	925	687	595	595	595	595	595	687	925	925	FTH3	748	310.72	
672	UNS Gas, Inc.	H3222000	06/01/2006	08/31/2011	BLANCO	DCITZNOG	NS3	AZ	3,127	4,396	1,759	698	279	279	279	280	279		1,759	1,759	FTH3	1,241	751.94	
673	UNS Gas, Inc.	H3222000	06/01/2006	08/31/2011	BLANCO	DCITZPHX	NS3	AZ				1,000	1,000	1,000	1,000	1,000	1,000	1,000			FTH3	583	879.61	
674	UNS Gas, Inc.	H3222000	06/01/2006	08/31/2011	BLANCO	DCITZSWF	NN1	AZ	1,527	1,527	1,527	1,274	1,366	1,366	1,366	1,366	1,366	1,274	1,527	1,527	FTH3	1,418	310.72	
675	UNS Gas, Inc.	H3222000	06/01/2006	08/31/2011	BLANCO	DCITZWIL	NS3	AZ	1,123	1,124	1,123	105	102	102	102	101	102	105	1,123	1,123	FTH3	528	751.94	
676	UNS Gas, Inc.	H3222000	06/01/2006	08/31/2011	WAHA	DCITZGIL	SS1	AZ			468	240	240	240	240	240	240	291	468	468	FTH3	241	757.65	
677	UNS Gas, Inc.	H3222000	06/01/2006	08/31/2011	WAHA	DCITZNOG	SS1	AZ	1,270	1	2,638			419	419	419	419	698	2,638	2,638	FTH3	998	643.90	
678	UNS Gas, Inc.	H3222000	06/01/2006	08/31/2011	WAHA	DCITZWIL	SS1	AZ			1			3	3	3	3			1	FTH3	2	578.11	
679	UNS Gas, Inc.	H8222000	06/01/2006	08/31/2011	BLANCO	DCITZHLJ	NN1	AZ	1,207	1,207	1,207	490	425	425	425	425	425	490	1,207	1,207	FTH8	762	310.72	
680	UNS Gas, Inc.	H8222000	06/01/2006	08/31/2011	BLANCO	DCITZPHX	NS3	AZ	3,600	3,600	3,600	440	440	440	440	440	440	440	3,600	3,600	FTH8	1,757	879.61	
681	UNS Gas, Inc.	H8222000	06/01/2006	08/31/2011	BLANCO	DCITZPRC	NS2	AZ	1,160	1,160	1,160	400	400	400	400	400	400	400	1,160	1,160	FTH8	717	432.78	
682	UNS Gas, Inc.	H8222000	06/01/2006	08/31/2011	BLANCO	DCITZSED	NS2	AZ	1,600	1,600	1,600	720	720	720	720	720	720	720	1,600	1,600	FTH8	1,087	453.85	
683	UNS Gas, Inc.	H8222000	06/01/2006	08/31/2011	BLANCO	DCITZSJE	NN1	AZ	3,101	3,101	3,100	1,500	1,500	1,500	1,500	1,500	1,500	1,500	3,100	3,101	FTH8	2,167	354.01	
684	UNS Gas, Inc.	H8222000	06/01/2006	08/31/2011	BLANCO	DCITZSJV	NN1	AZ	2,899	2,899	2,900	600	600	600	600	600	600	600	2,900	2,899	FTH8	1,558	506.03	
685	UNS Gas, Inc.	H8222000	06/01/2006	08/31/2011	BLANCO	DCITZSWF	NN1	AZ	1,993	1,993	1,993	910	975	975	975	975	975	910	1,993	1,993	FTH8	1,388	310.72	
686	UNS Gas, Inc.	H8222000	06/01/2006	08/31/2011	KEYSTONE	DCITZPRC	SS1	AZ	1,740	1,740	1,740	600	600	600	600	600	600	600	1,740	1,740	FTH8	1,075	864.82	
687	UNS Gas, Inc.	H8222000	06/01/2006	08/31/2011	KEYSTONE	DCITZSED	SS1	AZ	2,400	2,400	2,400	1,080	1,080	1,080										

EL PASO NATURAL GAS COMPANY  
Long-Term Firm Contract Details

Line No.	Company Name	Agmt Code	Effective Date	Prim Term End Date	Receipt Loc Code	Delivery Loc Code	Delv Path	Zone	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Sch	Annual Average	Mileage
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)
712	ST West flow from San Juan	ST West SJ			SAN JUAN	WEST	NN1	AZ	4,117	5,188	5,286	5,160	4,497	3,534	3,361	3,445	3,843	4,613	5,640	5,098	FT1	4,482	548.50
713	ST West flow from San Juan	ST West SJ			SAN JUAN	WEST	NN1	CA	171,890	216,601	220,683	215,439	187,773	147,542	140,343	143,840	160,463	192,588	235,472	212,848	FT1	187,123	555.33
714	ST West flow from San Juan	ST West SJ			SAN JUAN	WEST	NN3	CA	3,317	4,180	4,259	4,158	3,624	2,848	2,709	2,776	3,097	3,717	4,545	4,108	FT1	3,611	544.34
715	ST West flow from San Juan	ST West SJ			SAN JUAN	WEST	NS1	AZ	587	740	754	736	642	504	480	491	548	658	805	727	FT1	639	1,169.81
716	ST West flow from San Juan	ST West SJ			SAN JUAN	WEST	NS3	AZ	15,809	19,922	20,297	19,815	17,270	13,570	12,908	13,230	14,758	17,713	21,657	19,576	FT1	17,210	708.52
717	ST West flow from San Juan	ST West SJ			SAN JUAN	WEST	NSV	AZ	42	53	54	53	46	36	34	35	39	47	58	52	FT1	46	755.70

**EL PASO NATURAL GAS COMPANY**  
**List of Contracts (TSAs) treated as Article 11.2(a) Applicable**

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Schedule J-2 Workpaper 3  
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Line No.	<u>FT-1 BASE</u>			<u>FT-2 BASE</u>			<u>FT-1 BLOCK</u>		
	Shipper (a)	TSA (b)	Dth/d (c)	Shipper (d)	TSA (e)	Dth/d (f)	Shipper (g)	TSA (h)	Dth/d (i)
1	Arizona Electric Power Cooperative, Inc.	FT257000	9,372	Apache Nitrogen Products, Inc.	97VV	2,739	Arizona Public Service Company	FT24V000	16,233
2	Arizona Public Service Company	FT24U000	71,790	Chemical Lime Company of Arizona	982F	59	ASARCO L.L.C.	8226	33
3	ASARCO L.L.C.	982A	2,720	City of Benson, Arizona	982B	442	ASARCO L.L.C.	822W	2,250
4	City of Las Cruces, New Mexico	FT2AH000	7,293	City of Deming	982H	3,006	ASARCO L.L.C.	823B	50
5	City of Mesa, Arizona	FT2AF000	8,522	City of Denver City, Texas	97ZF	370	City of Las Cruces, New Mexico	FT2AG000	5,608
6	ConocoPhillips Company	97YG	42,906	City of Lordsburg	982N	446	Navajo Tribal Utility Authority	FT2AM000	1,414
7	Navajo Tribal Utility Authority	FT2AL000	11,762	City of Morton, Texas	97ZT	238	Phelps Dodge Corporation	FT2CE000	15,645
8	Phelps Dodge Corporation	FT2CF000	18,520	City of Plains, Texas	97ZE	123	Public Service Co of New Mexico	FT27N000	7,551
9	Public Service Co of New Mexico	FT27Q000	70,905	City of Safford, Arizona	9824	1,235	Southwest Gas Corporation	FT28L000	30,063
10	Salt River Project Agricultural	FT24R000	15	City of Socorro, New Mexico	9828	742	Texas Gas Service Company, a division	FT253000	26,335
11	Southwest Gas Corporation	FT28M000	165,081	City of Whiteface, Texas	97ZD	55	UNS Gas, Inc.	FT25A000	15,227
12	Texas Gas Service Company, a division	FT24Z000	48,971	City of Willcox, Arizona	97YU	642			
13	UNS Gas, Inc.	FT259000	25,020	Corona, New Mexico, Village of	9829	19			
14				Dumas, Texas, City of	97ZQ	1,254			
15				Duncan Rural Services Corporation	982J	357			
16				EMW Gas Association	982K	1,436			
17				Graham County Utilities, Inc.	97ZP	1,489			
18				McLean, Texas, City of	97ZM	107			
19				Natural Gas Processing Co.	982E	458			
20				Rio Grande Natural Gas Association	9823	7,306			
21				Sterling Natural Gas, Inc.	982T	61			
22				Town of Mountainair	983K	139			
23				Zia Natural Gas Company	97ZG	127			
24	<b>TOTAL</b>		<b>482,875</b>	<b>TOTAL</b>		<b>22,848</b>	<b>TOTAL</b>		<b>120,410</b>
25					<b>Total FT-1/FT-2 --&gt;</b>	<b>505,723</b>		<b>Grand Total --&gt;</b>	<b>626,133</b>

**EL PASO NATURAL GAS COMPANY**  
**Comparison of Filed Former Full Requirements Capacity to 1995 Settlement Billing Determ (BDs)**

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Schedule J-2 Workpaper 4  
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Line No. Shipper	11.2a Base and Block MCF/day	1995 Settlement BDs	1995 Settlement Mcf BDs	Variance	Adjust 2 2/ (f)	Adjusted Variance	11.2a Expansion Mcf	11.2a Expansion Dth 3/
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
				= (b) - (d)		=(e)+(f)+(g)	= if (g) is neg	
1 Arizona Electric Power Cooperative, Inc.	17,737	17,880	17,478	259		259	-	-
2 Arizona Public Service Company	137,430	66,042	64,557	72,873		72,873	-	-
3 ASARCO Incorporated	8,729	8,955	8,754	(25)		(25)	25	26
4 City of Las Cruces, New Mexico	12,917	12,680	12,395	522		522	-	-
5 City of Mesa, Arizona	15,142	14,247	13,927	1,216		1,216	-	-
6 El Paso Electric Company	76,897	35,674	34,872	42,025		42,025	-	-
7 Navajo Tribal Utility Authority	13,088	12,419	12,140	948		948	-	-
8 Phelps Dodge Corporation	34,486	19,763	19,319	15,167		15,167	-	-
9 PNM Gas Services, A Division of Public	108,406	74,135	72,468	35,938		35,938	-	-
10 Salt River Project Agricultural	204,729	48,341	47,254	157,475		157,475	-	-
11 Southwest Gas Corporation	455,151	517,338	505,707	(50,555)	25,953	(24,602)	24,602	25,021
12 Texas Gas Service Company, a division	83,745	79,155	77,375	6,370		6,370	-	-
13 UNS Gas, Inc.	56,919	37,611	36,765	20,153		20,153	-	-
<b>14 TOTAL</b>	<b>1,225,377</b>	<b>944,240</b>	<b>923,011</b>				<b>24,627</b>	<b>25,046</b>

1/ See Schedule J-2 Workpaper 2 for Contract Details

2/ Southwest Gas reduced NV contract demand from 180,000 Dth/d (adjusted for Btu to 175,953 Mcf) to 150,000 Mcf

3/ Converted at systemwide btu factor of 1.01 Dth/Mcf

Note: ASARCO is projected to reform entire contract portfolio - no additional Capped capacity as a result of Footnote 68 test