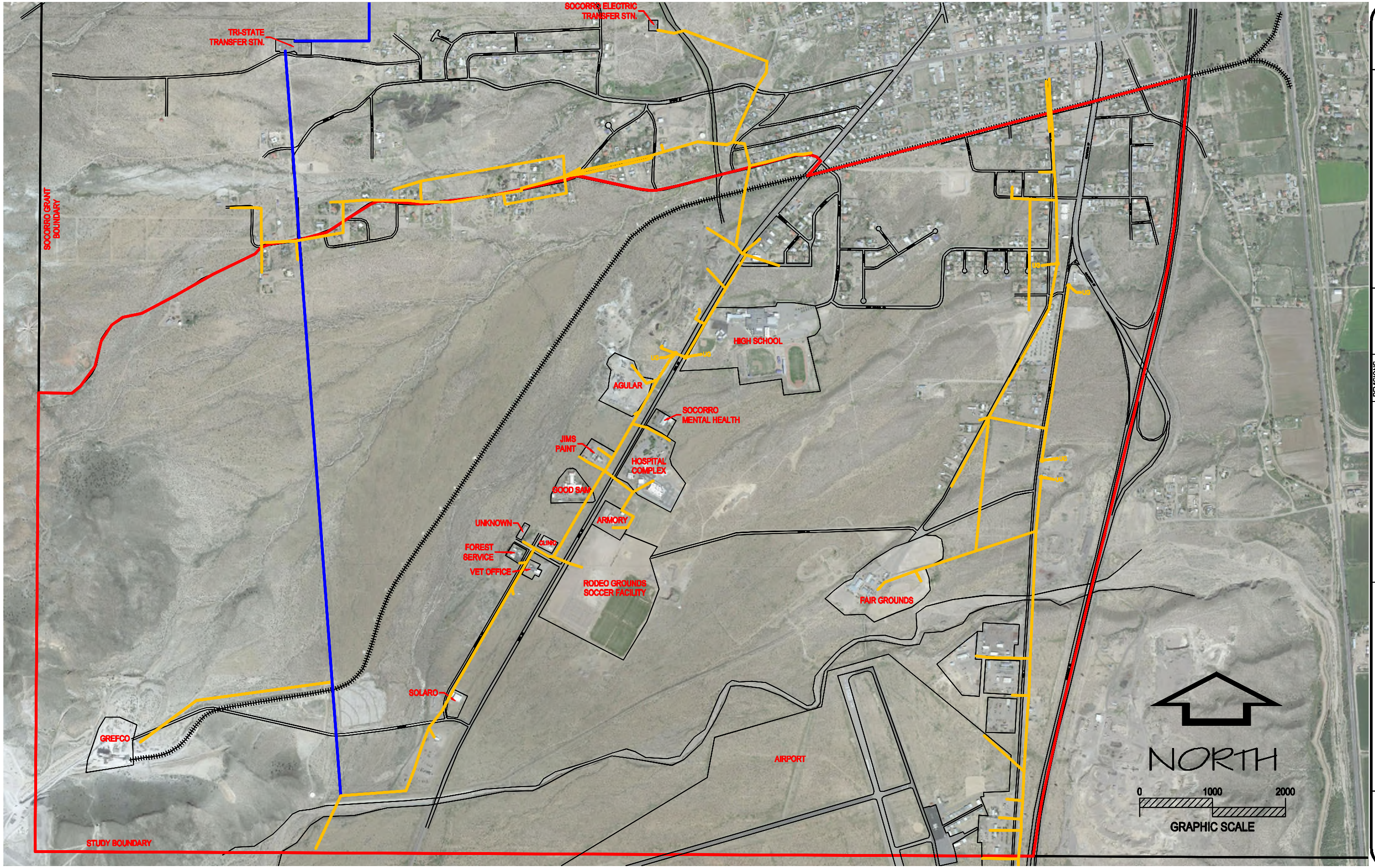
FIGURES



CITY OF SOCORRO

SOCORRO, NEW MEXICO

REVISIONS		
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10/8/15	PRELIMINARY	
11/5/15	REPORT	

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FIGURE 1
INDUSTRIAL PARK
STUDY AREA

FORSGREN Associates Inc.
6100 INDIAN SCHOOL RD NE, STE. 205, ALBUQUERQUE, NM 87110 PH: 505.814.2796 FAX:505.814.2877

SHEET No.

OF –

GRAPHIC SCALE

0 1000 2000

NORTH

STUDY BOUNDARY

AIRPORT

FAIR GROUNDS

RODEO GROUNDS
SOCCER FACILITY

ARMORY

GOOD SAM

HOSPITAL
COMPLEX

CLINIC

VET OFFICE

FORREST
SERVICE

UNKNOWN

JIMS
PAINT

SOCORRO
MENTAL HEALTH

AGULAR

HIGH SCHOOL

SOLARO

GREFCO

SOCORRO ELECTRIC
TRANSFER STN.

TRI-STATE
TRANSFER STN.

SOCORRO GRANT
BOUNDARY

FIGURE 2
INDUSTRIAL PARK
SEC FACILITIES MAPPING

SOCORRO, NEW MEXICO

CITY OF SOCORRO

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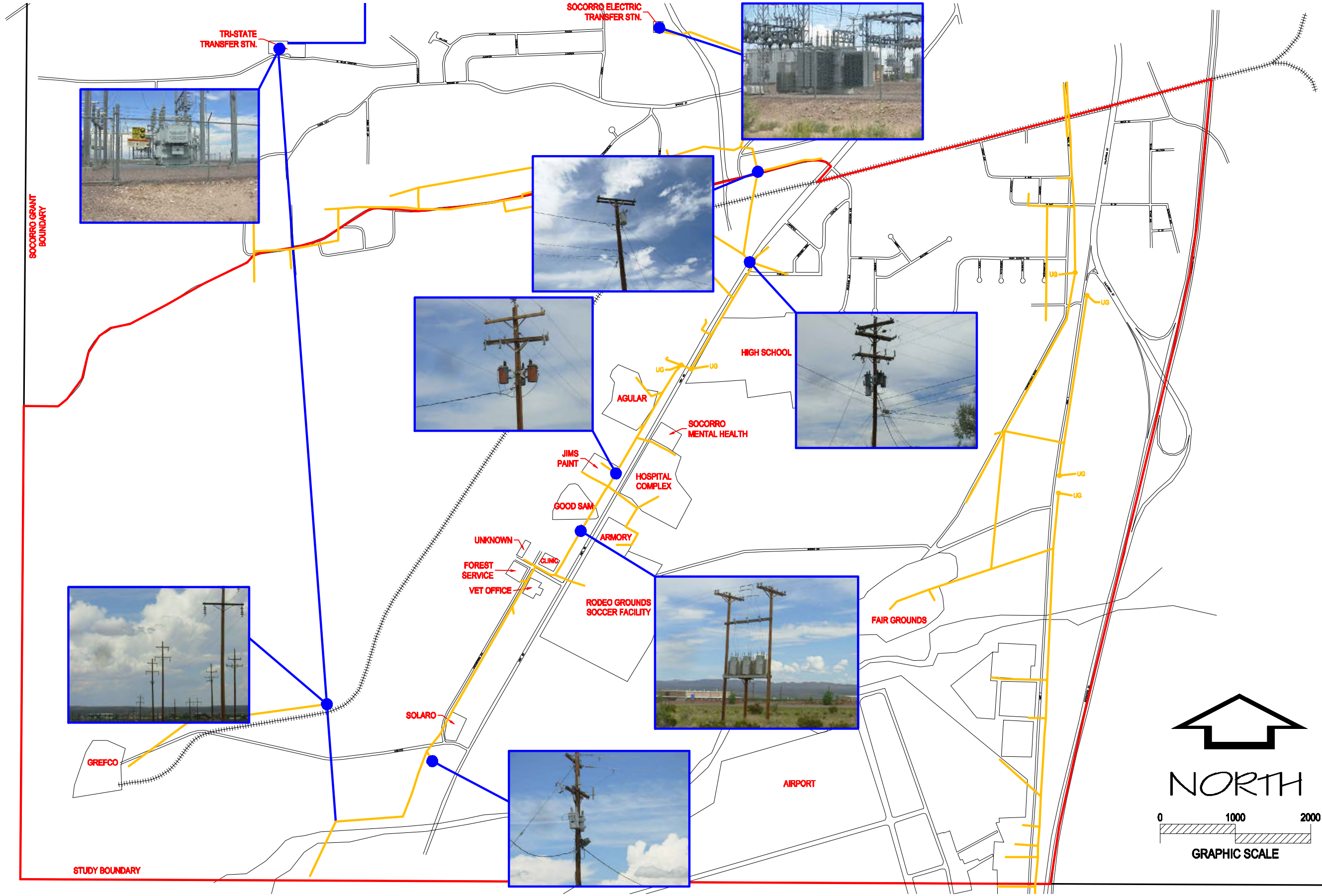

CITY OF SOCORRO

SOCORRO, NEW MEXICO

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11/5/15			

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FIGURE 3
INDUSTRIAL PARK
SEC FACILITIES PHOTOGRAPHS

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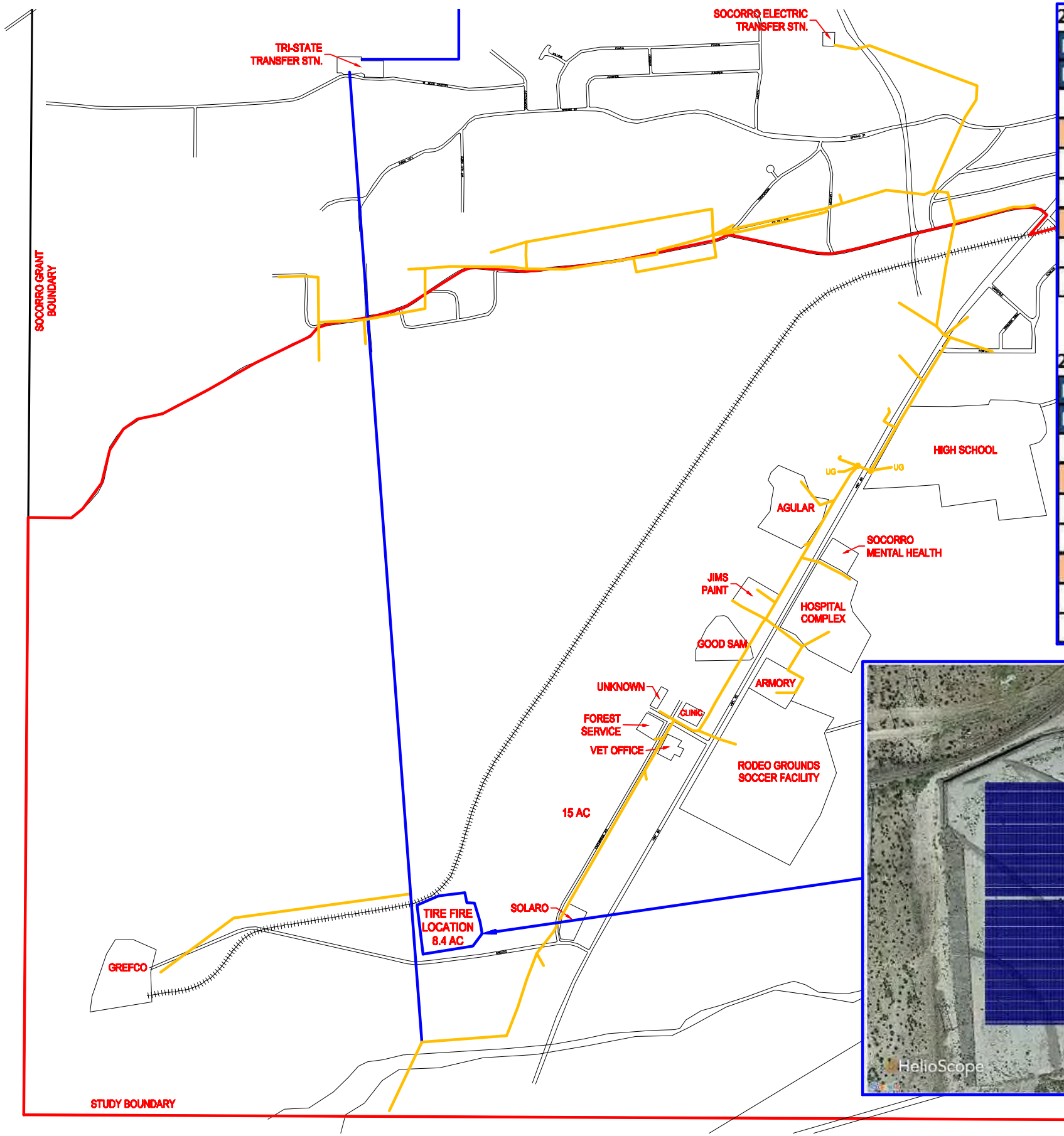
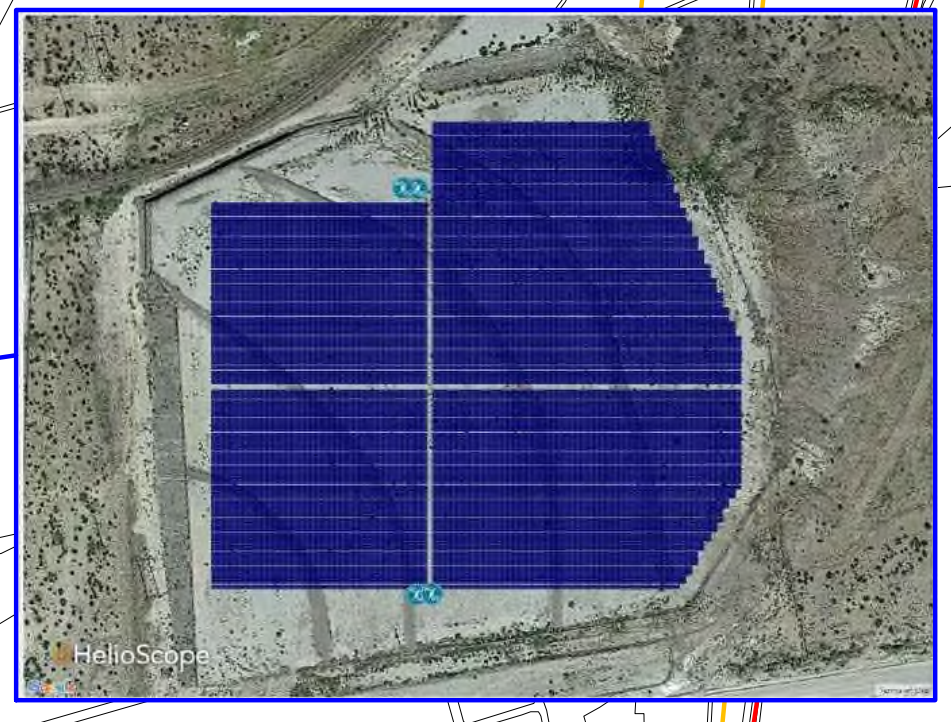


2 MW AC at Tire Fire Site with ITC:

Potential PPA Structures:						
PPA Rate Table		Escalator				Estimated
Term		0.00%	1.00%	2.00%	3.00%	Credit Rating
20		$ 109.63	$ 102.07	$ 94.83	$ 87.89	Excellent
		$ 113.67	$ 105.98	$ 98.60	$ 91.52	Very Good
		$ 117.79	$ 109.98	$ 102.45	$ 95.23	Good
25		$ 102.32	$ 94.09	$ 86.21	$ 78.71	Excellent
		$ 106.50	$ 98.14	$ 90.11	$ 82.44	Very Good
		$ 110.78	$ 102.28	$ 94.11	$ 86.28	Good

2 MW AC at Tire Fire Site without ITC:

Potential PPA Structures:						
PPA Rate Table		Escalator				Estimated
Term		0.00%	1.00%	2.00%	3.00%	Credit Rating
20		$ 174.22	$ 162.23	$ 150.72	$ 139.70	Excellent
		$ 181.38	$ 169.12	$ 157.33	$ 146.04	Very Good
		$ 188.64	$ 176.13	$ 164.08	$ 152.51	Good
25		$ 161.77	$ 148.76	$ 136.31	$ 124.44	Excellent
		$ 169.15	$ 155.86	$ 143.11	$ 130.93	Very Good
		$ 176.66	$ 163.11	$ 150.07	$ 137.59	Good



NORTH

0 1000 2000

GRAPHIC SCALE

SOCORRO, NEW MEXICO

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FIGURE 4
2 MW PV SOLAR INSTALLATION
TIRE FIRE SITE

FORSGREN Associates Inc.
6100 INDIAN SCHOOL RD NE, STE. 205, ALBUQUERQUE, NM 87110 PH: 505.814.2796 FAX:505.814.2877

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OF –

SOCORRO ELECTRIC TRANSFER STN.

TRI-STATE TRANSFER STN.

SOCORRO GRANT BOUNDARY

UG

AGULAR

JIMS PAINT

HOSPITAL COMPLEX

GOOD SAM

UNKNOWN

CLINIC

FOREST SERVICE

VET OFFICE

ARMORY

RODEO GROUNDS SOCCER FACILITY

SOLAR FACILITY 15 AC

SOLARO

GREFCO

STUDY BOUNDARY

4.5 MW AC at Enterprise Road with ITC:

Potential PPA Structures:					
PPA Rate Table	Escalator				Estimated
Term	0.00%	1.00%	2.00%	3.00%	Credit Rating
20	$ 96.03	$ 89.41	$ 83.07	$ 76.99	Excellent
	$ 99.52	$ 92.79	$ 86.32	$ 80.13	Very Good
	$ 103.08	$ 96.24	$ 89.66	$ 83.34	Good
25	$ 89.80	$ 82.58	$ 75.67	$ 69.08	Excellent
	$ 93.42	$ 86.08	$ 79.03	$ 72.31	Very Good
	$ 97.11	$ 89.66	$ 82.49	$ 75.63	Good

4.5 MW AC at Enterprise Road without ITC:

Potential PPA Structures:					
PPA Rate Table	Escalator				Estimated
Term	0.00%	1.00%	2.00%	3.00%	Credit Rating
20	$ 151.05	$ 140.66	$ 130.67	$ 121.12	Excellent
	$ 157.19	$ 146.57	$ 136.35	$ 126.57	Very Good
	$ 163.43	$ 152.59	$ 142.15	$ 132.13	Good
25	$ 140.45	$ 129.15	$ 118.34	$ 108.04	Excellent
	$ 146.78	$ 135.25	$ 124.18	$ 113.61	Very Good
	$ 153.22	$ 141.47	$ 130.16	$ 119.33	Good

NORTH

0 1000 2000

GRAPHIC SCALE

FIGURE 5
4 MW PV SOLAR INSTALLATION
15 ACRE HWY 60 SITE

SOCORRO, NEW MEXICO

CITY OF SOCORRO

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FAX:505.814.2877

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OF –

TABLES

TABLE 1

Name	Service From	Service to	KWH Used	kWh	No days	kWh + fees	Demand Used	Customer Charge	Demand Charge	Energy Charge	Debt Cost Adj.	Security Lights	Power Cost Adj.	Total	Yearly Average	Average Yearly KWH
Good Samaritan Village	6/22/2015	7/23/2015	45,820	$ 0.08	31	$ 0.11	102.4	$ 75.00	$ 1,536.00	$ 3,551.05	$ (115.70)	$ -	$ 13.84	$ 5,060.19		
Good Samaritan Village			36,960	$ 0.11	31		0	$ 75.00	$ -	$ 4,243.90	$ -	$ -	$ -	$ 4,318.90		
Good Samaritan Village			44,580	$ 0.11	28		0	$ 75.00	$ -	$ 5,065.48	$ -	$ -	$ -	$ 5,140.48	$ 58,078.28	509,440
Dicaperl Minerals Corp	6/22/2015	7/22/2015	320,400	$ 0.08	30	$ 0.11	752.4	$ 75.00	$ 11,286.00	$ 24,831.00	$ (809.01)	$ -	$ 96.76	$ 35,479.75	$ -	
Dicaperl Minerals Corp			271,800	$ 0.12	32		0	$ 75.00	$ -	$ 31,952.94	$ -	$ -	$ -	$ 32,027.94	$ -	
Dicaperl Minerals Corp			232,200	$ 0.13	28		0	$ 75.00	$ -	$ 30,653.00	$ -	$ -	$ -	$ 30,728.00	$ 392,942.76	3,297,600
Dicaperl Minerals Corp	6/19/2015	7/22/2015	1,062	$ 0.13	33	$ 0.15	0	$ 25.00	$ -	$ 132.75	$ (2.68)	$ -	$ 0.32	$ 155.39	$ -	
Dicaperl Minerals Corp			2,267	$ 0.13			0	$ 25.00	$ -	$ 302.56	$ -	$ -	$ -	$ 327.56	$ -	
Dicaperl Minerals Corp			2,936	$ 0.13			0	$ 25.00	$ -	$ 384.44	$ -	$ -	$ -	$ 409.44	$ 3,569.56	25,060
Dicaperl Minerals Corp	6/17/2015	7/14/2015	400	$ 0.15	27	$ 0.14	0	$ -	$ -	$ -	$ (1.01)	$ 58.75	$ 0.12	$ 57.86	$ 694.32	4,800
Quality Mix Concrete	7/14/2015	8/13/2015	3,311	$ 0.13	30	$ 0.13	0	$ 25.00	$ -	$ 413.88	$ (8.36)	$ -	$ 14.14	$ 444.66	$ 5,335.92	39,732
Quality Mix Concrete	7/22/2015	8/20/2015	1,280	$ 0.08	29	$ 0.58	37.63	$ 75.00	$ 564.45	$ 99.20	$ 3.23	$ -	$ 5.47	$ 747.35	$ 8,968.20	15,360
Quality Mix Concrete	7/14/2015	8/13/2015	243	$ 0.13	30	$ 0.23	0	$ 25.00	$ -	$ 30.38	$ (0.61)	$ -	$ 1.04	$ 55.81	$ 669.72	2,916
Quality Mix Concrete	7/14/2015	8/13/2015	15	$ 0.13	30	$ 1.79	0	$ 25.00	$ -	$ 1.88	$ (0.04)	$ -	$ 0.06	$ 26.90	$ 322.80	180
Quality Mix Concrete	7/14/2015	8/13/2015	209	$ 0.13	30	$ 0.25	0	$ 25.00	$ -	$ 26.13	$ (0.53)	$ -	$ 0.89	$ 51.49	$ 617.88	2,508
Quality Mix Concrete	7/14/2015	8/13/2015	557	$ 0.13	30	$ 0.17	0	$ 25.00	$ -	$ 69.63	$ (1.41)	$ -	$ 2.38	$ 95.60	$ 1,147.20	6,684
Quality Mix Concrete	7/14/2015	8/13/2015	1,356	$ 0.13	30	$ 0.15	0	$ 25.00	$ -	$ 169.50	$ (3.42)	$ -	$ 5.79	$ 196.87	$ 2,362.44	16,272
Schools Socorro Cons	7/22/2015	8/20/2015	7,520	$ 0.08	29	$ 0.27	92.96	$ 75.00	$ 1,394.40	$ 582.80	$ (18.99)	$ -	$ 32.11	$ 2,065.32	$ 24,783.84	90,240
Schools Socorro Cons	7/14/2015	8/13/2015	110	$ 0.23	30	$ 0.37	0	$ -	$ -	$ 25.00	$ (0.28)	$ 15.50	$ 0.47	$ 40.69	$ 488.28	1,320
Schools Socorro Cons	7/23/2015	8/20/2015	80,880	$ 0.08	28	$ 0.15	356.2	$ 75.00	$ 5,343.60	$ 6,268.20	$ (204.22)	$ -	$ 345.36	$ 11,827.94	$ 141,935.28	970,560
Schools Socorro Cons	7/22/2015	8/20/2015	9	$ -	29		0.014	$ -	$ 165.00	$ -	$ (0.02)	$ -	$ 0.04	$ 165.02	$ 1,980.24	108
Schools Socorro Cons	7/14/2015	8/13/2015	440	$ 0.14	32	$ 0.14	0	$ -	$ -	$ -	$ (1.11)	$ 62.00	$ 1.88	$ 62.77	$ 753.24	5,280
Schools Socorro Cons	7/14/2015	8/13/2015	241	$ 0.13	30	$ 0.23	0	$ 25.00	$ -	$ 30.13	$ (0.61)	$ -	$ 1.03	$ 55.55	$ 666.60	2,892
Schools Socorro Cons	7/14/2015	8/13/2015	17	$ 0.13	30	$ 1.60	0	$ 25.00	$ -	$ 2.13	$ (0.04)	$ -	$ 0.07	$ 27.16	$ 325.92	204
Schools Socorro Cons	7/14/2015	8/13/2015	671	$ 0.13	30	$ 0.16	0	$ 25.00	$ -	$ 83.88	$ (1.69)	$ -	$ 2.87	$ 110.06	$ 1,320.72	8,052
Schools Socorro Cons	7/14/2015	8/13/2015	178	$ 0.13	30	$ 0.27	0	$ 25.00	$ -	$ 22.25	$ (0.45)	$ -	$ 0.76	$ 47.56	$ 570.72	2,136
Socorro General Hosp.	6/12/2015	7/14/2015	22	$ 0.13	32	$ 1.26	0	$ 25.00	$ -	$ 2.75	$ (0.06)	$ -	$ 0.01	$ 27.70		
Socorro General Hosp.			71	$ 0.13	29	$ 0.48	0	$ 25.00	$ -	$ 9.23	$ -	$ -	$ -	$ 34.23		
Socorro General Hosp.			4	$ 0.13	30	$ 6.38	0	$ 25.00	$ -	$ 0.52	$ -	$ -	$ -	$ 25.52	$ 349.80	7,024
Socorro General Hosp.	6/12/2015	7/14/2015	777	$ 0.13	32	$ 0.15	0	$ 25.00	$ -	$ 97.13	$ (1.96)	$ -	$ 0.23	$ 120.40		
Socorro General Hosp.			963	$ 0.15	29	$ 0.17	0	$ 25.00	$ -	$ 142.97	$ -	$ -	$ -	$ 167.97		
Socorro General Hosp.			16	$ 0.13	30	$ 1.69	0	$ 25.00	$ -	$ 2.08	$ -	$ -	$ -	$ 27.08	$ 1,261.80	31,476
Socorro General Hosp.	6/12/2015	7/14/2015	2,430	$ 0.13	32	$ 0.13	0	$ 25.00	$ -	$ 303.75	$ (6.12)	$ -	$ 0.73	$ 323.36		
Socorro General Hosp.			1,512	$ 0.14	29	$ 0.16	0	$ 25.00	$ -	$ 210.25	$ -	$ -	$ -	$ 235.25		
Socorro General Hosp.			2,454	$ 0.13	30	$ 0.14	0	$ 25.00	$ -	$ 325.50	$ -	$ -	$ -	$ 350.50	$ 3,636.44	10,999
Socorro General Hosp.	6/12/2015	7/14/2015	2,900	$ 0.13	32	$ 0.13	0	$ 25.00	$ -	$ 362.50	$ (7.32)	$ -	$ 0.88	$ 381.06		
Socorro General Hosp.			2,043	$ 0.13	29	$ 0.15	0	$ 25.00	$ -	$ 275.21	$ -	$ -	$ -	$ 300.21		
Socorro General Hosp.			2,926	$ 0.13	30	$ 0.14	0	$ 25.00	$ -	$ 383.40	$ -	$ -	$ -	$ 408.40	$ 4,358.68	26,604

TABLE 1 (cont.)

Name	Service From	Service to	KWH Used	kWh	No days	kWh + fees	Demand Used	Customer Charge	Demand Charge	Energy Charge	Debt Cost Adj.	Security Lights	Power Cost Adj.	Total	Yearly Average	Average Yearly KWH
Socorro General Hosp.	6/12/2015	7/14/2015	2,573	$0.13	32	$0.13	0	$ 25.00	$ -	$ 321.63	$ (6.50)	$ -	$ 0.78	$ 340.91		
Socorro General Hosp.			1,695	$0.14	29	$0.15	0	$ 25.00	$ -	$ 232.58	$ -	$ -	$ -	$ 257.58		
Socorro General Hosp.			2,383	$0.13	30	$0.14	0	$ 25.00	$ -	$ 316.80	$ -	$ -	$ -	$ 341.80	$ 3,761.16	129,120
Socorro General Hosp.	6/19/2015	7/22/2015	10,460	$0.08	33	$0.14	40.88	$ 75.00	$ 613.20	$ 810.65	$ (26.41)	$ -	$ 3.16	$ 1,475.60		
Socorro General Hosp.			9,320	$0.14	31	$0.15	0	$ 75.00	$ -	$ 1,322.77	$ -	$ -	$ -	$ 1,397.77		
Socorro General Hosp.			12,500	$0.13	28	$0.14	0	$ 75.00	$ -	$ 1,655.64	$ -	$ -	$ -	$ 1,730.64	$ 18,416.04	2,112
Socorro General Hosp.	6/22/2015	7/22/2015	38,560	$0.08	30	$0.13	136.8	$ 75.00	$ 2,052.00	$ 2,988.40	$ (97.36)	$ -	$ 11.65	$ 5,029.69		
Socorro General Hosp.			38,840	$0.13	31	$0.13	0	$ 75.00	$ -	$ 4,918.15	$ -	$ -	$ -	$ 4,993.15		
Socorro General Hosp.			36,000	$0.12	28	$0.12	0	$ 75.00	$ -	$ 4,201.12	$ -	$ -	$ -	$ 4,276.12		
Socorro General Hosp.			12,880	$0.14	33	$0.14	0	$ 75.00	$ -	$ 1,769.46	$ -	$ -	$ -	$ 1,844.46		
Socorro General Hosp.			11,860	$0.14	31	$0.15	0	$ 75.00	$ -	$ 1,649.20	$ -	$ -	$ -	$ 1,724.20	$ 42,882.29	331,536
Socorro General Hosp.	6/17/2015	7/14/2015	176	$0.12	27	$0.12	0	$ -	$ -	$ -	$ (0.44)	$ 21.75	$ 0.05	$ 21.36	$ 256.32	2,112
SW Comm Health Serv	6/29/2015	7/30/2015	186,160	$0.08	31	$0.10	317.32	$ 75.00	$ 4,759.80	$ 14,427.40	$ (470.33)	$ 15.50	$ 56.25	$ 18,863.62		
SW Comm Health Serv			221,720	$0.10	41	$0.10	0	$ 75.00	$ -	$ 21,092.04	$ -	$ -	$ -	$ 21,167.04		
SW Comm Health Serv			160,880	$0.10	28	$0.10	0	$ 75.00	$ -	$ 16,581.04	$ -	$ -	$ -	$ 16,656.04	$ 226,746.80	2,275,040
US Bureau of Rec	7/14/2015	8/13/2015	2,030	$0.13	30	$0.14	0	$ 25.00	$ -	$ 253.75	$ (5.13)	$ -	$ 8.67	$ 282.29		
US Bureau of Rec			1,996	$0.13	32	$0.15	0	$ 25.00	$ -	$ 269.44	$ -	$ -	$ -	$ 294.44		
US Bureau of Rec			2,478	$0.13	34	$0.14	0	$ 25.00	$ -	$ 328.44	$ -	$ -	$ -	$ 353.44	$ 3,720.68	26,016
US Bureau of Rec	7/14/2015	8/13/2015	46	$0.13	30	$0.67	0	$ 25.00	$ -	$ 5.75	$ (0.12)	$ -	$ 0.20	$ 30.83		
US Bureau of Rec			31	$0.13	32	$0.94	0	$ 25.00	$ -	$ 4.03	$ -	$ -	$ -	$ 29.03		
US Bureau of Rec			52	$0.13	30	$0.61	0	$ 25.00	$ -	$ 6.76	$ -	$ -	$ -	$ 31.76	$ 366.48	516
Arc of Socorro	6/12/2015	7/14/2015	1,468	$0.16	32	$0.20	0	$ 25.00	$ -	$ 241.83	$ (3.70)	$ 24.50	$ 0.44	$ 288.07		
Arc of Socorro		07/31/15	1,328	$0.17		$0.17	0	$ -	$ -	$ 231.54	$ -	$ -	$ -	$ 231.54		
Arc of Socorro		06/30/15	1,319	$0.18		$0.18	0	$ -	$ -	$ 235.90	$ -	$ -	$ -	$ 235.90		
Arc of Socorro		05/31/15	1,395	$0.18		$0.18	0	$ -	$ -	$ 244.49	$ -	$ -	$ -	$ 244.49		
Arc of Socorro		04/30/15	1,380	$0.18		$0.18	0	$ -	$ -	$ 242.11	$ -	$ -	$ -	$ 242.11		
Arc of Socorro		03/31/15	1,471	$0.18		$0.18	0	$ -	$ -	$ 258.89	$ -	$ -	$ -	$ 258.89		
Arc of Socorro		02/28/15	1,464	$0.18		$0.18	0	$ -	$ -	$ 258.71	$ -	$ -	$ -	$ 258.71		
Arc of Socorro		01/31/15	1,319	$0.18		$0.18	0	$ -	$ -	$ 236.51	$ -	$ -	$ -	$ 236.51		
Arc of Socorro		12/31/14	1,364	$0.18		$0.18	0	$ -	$ -	$ 241.24	$ -	$ -	$ -	$ 241.24		
Arc of Socorro		11/30/14	1,434	$0.17		$0.17	0	$ -	$ -	$ 245.10	$ -	$ -	$ -	$ 245.10		
Arc of Socorro		10/31/14	1,278	$0.17		$0.17	0	$ -	$ -	$ 221.85	$ -	$ -	$ -	$ 221.85		
Arc of Socorro		09/30/14	1,328	$0.17		$0.17	0	$ -	$ -	$ 225.70	$ -	$ -	$ -	$ 225.70	$ 2,930.11	16,548
Arc of Socorro		8/31/2015	1,705	$0.15		$0.15	0	$ -	$ -	$ 262.95	$ -	$ -	$ -	$ 262.95		
Arc of Socorro	6/12/2015	7/14/2015	1,456	$0.11	32	$0.13	0	$ 25.00	$ -	$ 166.00	$ (3.68)	$ -	$ 0.44	$ 187.76		
Arc of Socorro		06/30/15	829	$0.13		$0.13	0	$ -	$ -	$ 107.77	$ -	$ -	$ -	$ 107.77		
Arc of Socorro		05/31/15	301	$0.13		$0.13	0	$ -	$ -	$ 39.13	$ -	$ -	$ -	$ 39.13		
Arc of Socorro		04/30/15	173	$0.13		$0.13	0	$ -	$ -	$ 22.49	$ -	$ -	$ -	$ 22.49		

TABLE 1 (cont.)

Name	Service From	Service to	KWH Used	kWh	No days	kWh + fees	Demand Used	Customer Charge	Demand Charge	Energy Charge	Debt Cost Adj.	Security Lights	Power Cost Adj.	Total	Yearly Average	Average Yearly KWH
Arc of Socorro		03/31/15	44	$ 0.13		$ 0.13	0	$ -	$ -	$ 5.72	$ -	$ -	$ -	$ 5.72		
Arc of Socorro		02/28/15	55	$ 0.13		$ 0.13	0	$ -	$ -	$ 7.15	$ -	$ -	$ -	$ 7.15		
Arc of Socorro		01/31/15	50	$ 0.13		$ 0.13	0	$ -	$ -	$ 6.50	$ -	$ -	$ -	$ 6.50		
Arc of Socorro		12/31/14	43	$ 0.13		$ 0.13	0	$ -	$ -	$ 5.59	$ -	$ -	$ -	$ 5.59		
Arc of Socorro		11/30/14	160	$ 0.13		$ 0.13	0	$ -	$ -	$ 20.80	$ -	$ -	$ -	$ 20.80		
Arc of Socorro		10/31/14	464	$ 0.13		$ 0.13	0	$ -	$ -	$ 60.32	$ -	$ -	$ -	$ 60.32		
Arc of Socorro		09/30/14	999	$ 0.13		$ 0.13	0	$ -	$ -	$ 129.87	$ -	$ -	$ -	$ 129.87	$ 856.05	6,279
Pres Medical Services	6/12/2015	7/14/2015	5,929	$ 0.13	32	$ 0.13	0	$ 25.00	$ -	$ 741.13	$ (14.97)	$ -	$ 1.79	$ 752.95		
Pres Medical Services			4,395	$ 0.13	29	$ 0.13	0	$ 25.00	$ -	$ 563.18	$ -	$ -	$ -	$ 588.18		
Pres Medical Services			6,322	$ 0.13	30	$ 0.13	0	$ 25.00	$ -	$ 799.20	$ -	$ -	$ -	$ 824.20	$ 8,661.32	66,584
Pres Medical Services	7/22/2015	8/20/2015	13,730	$ 0.08	29	$ 0.14	51.27	$ 75.00	$ 769.05	$ 1,064.08	$ (34.95)	$ 16.00	$ 59.10	$ 1,948.28		
Pres Medical Services			4,395	$ 0.13	29	$ 0.13	0	$ 25.00	$ -	$ 563.18	$ -	$ -	$ -	$ 588.18		
Pres Medical Services			6,322	$ 0.13	30	$ 0.13	0	$ 25.00	$ -	$ 799.20	$ -	$ -	$ -	$ 824.20	$ 13,442.64	97,788
Solaro Energy Inc	7/14/2015	8/13/2015	2,124	$ 0.13	30	$ 0.14	0	$ 25.00	$ -	$ 265.50	$ (5.36)	$ -	$ 9.07	$ 294.21		
Solaro Energy Inc			2,126	$ 0.13	32	$ 0.15	0	$ 25.00	$ -	$ 285.44	$ -	$ -	$ -	$ 310.44		
Solaro Energy Inc			1,678	$ 0.14	30	$ 0.15	0	$ 25.00	$ -	$ 230.40	$ -	$ -	$ -	$ 255.40	$ 28,413.75	216,504
Solaro Energy Inc			66,240	$ 0.13		$ 0.13	0	$ -	$ -	$ 8,611.20	$ -	$ -	$ -	$ 8,611.20		
NM State Hwy Dept	10/17/2014	11/18/2014	234	$ 0.18	32	$ 0.18	0	$ -	$ -	$ -	$ (0.26)	$ 42.00	$ (0.35)	$ 41.39		
NM State Hwy Dept	7/14/2015	8/15/2015	234	$ 0.18	32	$ 0.18	0	$ -	$ -	$ -	$ (0.59)	$ 42.00	$ 1.00	$ 42.41		
NM State Hwy Dept	4/15/2015	5/14/2015	234	$ 0.18	29	$ 0.18	0	$ -	$ -	$ -	$ (0.59)	$ 42.00	$ 0.64	$ 42.05		
NM State Hwy Dept	2/17/2015	3/18/2015	234	$ 0.18	29	$ 0.18	0	$ -	$ -	$ -	$ (0.48)	$ 42.00	$ 1.07	$ 42.59		
NM State Hwy Dept	12/18/2014	1/19/2015	234	$ 0.18	32	$ 0.18	0	$ -	$ -	$ -	$ (0.48)	$ 42.00	$ 0.88	$ 42.40	$ 506.02	2,808
NM State Hwy Dept	10/17/2014	11/18/2014	1,768	$ 0.13	32	$ 0.14	0	$ 25.00	$ -	$ 221.00	$ (1.99)	$ -	$ (2.62)	$ 241.39		
NM State Hwy Dept	7/14/2015	8/13/2015	1,607	$ 0.13	30	$ 0.14	0	$ 25.00	$ -	$ 200.88	$ (4.06)	$ -	$ 6.86	$ 228.68		
NM State Hwy Dept	4/15/2015	5/14/2015	973	$ 0.13	29	$ 0.15	0	$ 25.00	$ -	$ 121.63	$ (2.46)	$ -	$ 2.65	$ 146.82		
NM State Hwy Dept	2/12/2015	3/16/2015	3,673	$ 0.13	32	$ 0.13	0	$ 25.00	$ -	$ 459.13	$ (7.54)	$ -	$ 16.82	$ 493.41		
NM State Hwy Dept	12/17/2014	1/13/2015	4,560	$ 0.13	27	$ 0.13	0	$ 25.00	$ -	$ 570.00	$ (9.37)	$ -	$ 17.24	$ 602.87	$ 4,111.61	30,194
NM State Hwy Dept	10/17/2014	11/18/2014	2,532	$ 0.13	32	$ 0.13	0	$ 25.00	$ -	$ 316.50	$ (2.84)	$ -	$ (3.75)	$ 334.91		
NM State Hwy Dept	7/14/2015	8/13/2015	3,116	$ 0.13	30	$ 0.13	0	$ 25.00	$ -	$ 389.50	$ (7.87)	$ -	$ 13.31	$ 419.94		
NM State Hwy Dept	4/15/2015	5/14/2015	1,242	$ 0.13	29	$ 0.15	0	$ 25.00	$ -	$ 155.25	$ (3.15)	$ -	$ 3.38	$ 180.48		
NM State Hwy Dept	2/12/2015	3/16/2015	3,550	$ 0.13	32	$ 0.13	0	$ 25.00	$ -	$ 443.75	$ (7.29)	$ -	$ 16.26	$ 477.72		
NM State Hwy Dept	12/17/2014	1/13/2015	4,476	$ 0.13	27	$ 0.13	0	$ 25.00	$ -	$ 559.50	$ (9.19)	$ -	$ 16.92	$ 592.23	$ 4,812.67	35,798
NM State Hwy Dept	10/17/2014	11/18/2014	2,048	$ 0.13	32	$ 0.13	0	$ 25.00	$ -	$ 256.00	$ (2.30)	$ -	$ (3.03)	$ 275.67		
NM State Hwy Dept	7/14/2015	8/13/2015	1,467	$ 0.13	30	$ 0.14	0	$ 25.00	$ -	$ 183.38	$ (3.70)	$ -	$ 6.26	$ 210.94		
NM State Hwy Dept	4/15/2015	5/14/2015	1,801	$ 0.13	29	$ 0.14	0	$ 25.00	$ -	$ 225.13	$ (4.56)	$ -	$ 4.90	$ 250.47		
NM State Hwy Dept	2/12/2015	3/16/2015	1,719	$ 0.13	32	$ 0.14	0	$ 25.00	$ -	$ 214.88	$ (3.53)	$ -	$ 7.87	$ 244.22		
NM State Hwy Dept	12/17/2014	1/13/2015	2,052	$ 0.13	27	$ 0.14	0	$ 25.00	$ -	$ 256.50	$ (4.21)	$ -	$ 7.76	$ 285.05	$ 3,039.24	21,809
NM State Hwy Dept	1/8/2015	2/10/2015	234	$ 0.18	33	$ 0.18	0	$ -	$ -	$ -	$ (0.48)	$ 42.00	$ 1.18	$ 42.70		

TABLE 1 (cont.)

Name	Service From	Service to	KWH Used	kWh	No days	kWh + fees	Demand Used	Customer Charge	Demand Charge	Energy Charge	Debt Cost Adj.	Security Lights	Power Cost Adj.	Total	Yearly Average	Average Yearly KWH
NM State Hwy Dept	10/7/2014	11/7/2014	234	$ 0.18	31	$ 0.18	0	$ -	$ -	$ -	$ (0.26)	$ 42.00	$ (0.35)	$ 41.39		
NM State Hwy Dept	7/3/2015	8/4/2015	234	$ 0.18	32	$ 0.18	0	$ -	$ -	$ -	$ (0.59)	$ 42.00	$ 1.00	$ 42.41		
NM State Hwy Dept	5/8/2015	6/8/2015	234	$ 0.18	31	$ 0.18	0	$ -	$ -	$ -	$ (0.59)	$ 42.00	$ 0.42	$ 41.83		
NM State Hwy Dept	7/3/2015	8/4/2015	234	$ 0.18	32	$ 0.18	0	$ -	$ -	$ -	$ (0.59)	$ 42.00	$ 1.00	$ 42.41		
NM State Hwy Dept	3/9/2015	4/10/2015	234	$ 0.18	32	$ 0.18	0	$ -	$ -	$ -	$ (0.59)	$ 42.00	$ 0.59	$ 42.00		
NM State Hwy Dept	1/8/2015	2/10/2015	235	$ 0.18	33	$ 0.18	0	$ -	$ -	$ -	$ (0.48)	$ 42.00	$ 1.18	$ 42.70	$ 506.47	2,810
NM State Hwy Dept	10/15/2014	11/14/2014	4	$ 0.13	30	$ 6.37	0	$ 25.00	$ -	$ 0.50	$ -	$ -	$ (0.01)	$ 25.49		
NM State Hwy Dept	7/14/2015	8/13/2015	48	$ 0.13	30	$ 0.65	0	$ 25.00	$ -	$ 6.00	$ (0.12)	$ -	$ 0.20	$ 31.08		
NM State Hwy Dept	4/15/2015	5/14/2015	57	$ 0.13	29	$ 0.56	0	$ 25.00	$ -	$ 7.13	$ (0.14)	$ -	$ 0.16	$ 32.15		
NM State Hwy Dept	2/12/2015	3/16/2015	82	$ 0.13	32	$ 0.43	0	$ 25.00	$ -	$ 10.25	$ (0.17)	$ -	$ 0.38	$ 35.46		
NM State Hwy Dept	12/15/2014	1/16/2015	181	$ 0.13	32	$ 0.26	0	$ 25.00	$ -	$ 22.63	$ (0.37)	$ -	$ 0.68	$ 47.94	$ 413.09	893
NM State Hwy Dept	1/6/2015	2/3/2015	18	$ 0.13	28	$ 1.52	0	$ 25.00	$ -	$ 2.25	$ (0.04)	$ -	$ 0.09	$ 27.30		
NM State Hwy Dept	10/6/2014	11/5/2014	22	$ 0.13	30	$ 1.26	0	$ 25.00	$ -	$ 2.75	$ (0.02)	$ -	$ (0.03)	$ 27.70		
NM State Hwy Dept	7/2/2015	8/3/2015	29	$ 0.13	32	$ 0.99	0	$ 25.00	$ -	$ 3.63	$ (0.07)	$ -	$ 0.12	$ 28.68		
NM State Hwy Dept	5/5/2015	6/3/2015	20	$ 0.13	29	$ 1.37	0	$ 25.00	$ -	$ 2.50	$ (0.05)	$ -	$ 0.04	$ 27.49		
NM State Hwy Dept	7/2/2015	8/3/2015	29	$ 0.13	32	$ 0.99	0	$ 25.00	$ -	$ 3.63	$ (0.07)	$ -	$ 0.12	$ 28.68		
NM State Hwy Dept	3/5/2015	4/2/2015	24	$ 0.13	28	$ 1.17	0	$ 25.00	$ -	$ 3.00	$ (0.06)	$ -	$ 0.06	$ 28.00		
NM State Hwy Dept	1/6/2015	2/3/2015	18	$ 0.13	28	$ 1.52	0	$ 25.00	$ -	$ 2.25	$ (0.04)	$ -	$ 0.09	$ 27.30	$ 334.54	274
NM State Hwy Dept	10/15/2014	11/14/2014	77	$ 0.13	30	$ 0.45	0	$ 25.00	$ -	$ 9.63	$ (0.09)	$ -	$ (0.11)	$ 34.43		
NM State Hwy Dept	7/14/2015	8/13/2015	53	$ 0.13	30	$ 0.60	0	$ 25.00	$ -	$ 6.63	$ (0.13)	$ -	$ 0.23	$ 31.73		
NM State Hwy Dept	4/15/2015	5/14/2015	55	$ 0.13	29	$ 0.58	0	$ 25.00	$ -	$ 6.88	$ (0.14)	$ -	$ 0.15	$ 31.89		
NM State Hwy Dept	2/12/2015	3/16/2015	55	$ 0.13	32	$ 0.58	0	$ 25.00	$ -	$ 6.88	$ (0.11)	$ -	$ 0.25	$ 32.02		
NM State Hwy Dept	12/15/2014	1/16/2015	56	$ 0.13	32	$ 0.57	0	$ 25.00	$ -	$ 7.00	$ (0.12)	$ -	$ 0.21	$ 32.09	$ 389.18	710
NM State Hwy Dept	10/17/2014	11/18/2014	1,408	$ 0.12	32	$ 0.12	0	$ -	$ -	$ -	$ (1.58)	$ 174.00	$ (2.08)	$ 170.34		
NM State Hwy Dept	7/14/2015	8/15/2015	1,408	$ 0.12	32	$ 0.13	0	$ -	$ -	$ -	$ (3.56)	$ 174.00	$ 6.01	$ 176.45		
NM State Hwy Dept	4/15/2015	5/14/2015	1,408	$ 0.12	29	$ 0.12	0	$ -	$ -	$ -	$ (3.57)	$ 174.00	$ 3.83	$ 174.26		
NM State Hwy Dept	2/17/2015	3/18/2015	1,408	$ 0.12	29	$ 0.13	0	$ -	$ -	$ -	$ (2.89)	$ 174.00	$ 6.45	$ 177.56		
NM State Hwy Dept	12/18/2014	1/19/2015	1,408	$ 0.12	32	$ 0.13	0	$ -	$ -	$ -	$ (2.89)	$ 174.00	$ 5.32	$ 176.43	$ 2,100.10	16,896
NM State Hwy Dept	10/24/2014	11/21/2014	6,760	$ 0.07	28	$ 0.16	30	$ 75.00	$ 450.00	$ 502.20	$ (7.59)	$ 49.00	$ (10.00)	$ 1,058.61		
NM State Hwy Dept	7/22/2015	8/27/2015	14,270	$ 0.08	36	$ 0.11	20	$ 75.00	$ 300.00	$ 1,084.23	$ (36.03)	$ 49.00	$ 60.93	$ 1,533.13		
NM State Hwy Dept	4/16/2015	5/15/2015	7,130	$ 0.07	29	$ 0.13	20	$ 75.00	$ 300.00	$ 530.88	$ (18.06)	$ 49.00	$ 19.40	$ 956.22		
NM State Hwy Dept	2/15/2015	3/31/2015	16,160	$ 0.08	44	$ 0.12	33.98	$ 75.00	$ 508.35	$ 1,230.70	$ (33.20)	$ 49.00	$ 74.01	$ 1,903.86		
NM State Hwy Dept	12/15/2014	1/21/2015	16,470	$ 0.08	37	$ 0.11	30	$ 75.00	$ 450.00	$ 1,254.73	$ (33.83)	$ 49.00	$ 62.26	$ 1,857.16	$ 17,541.55	145,896
NM State Hwy Dept	10/15/2014	11/14/2014	678	$ 0.13	30	$ 0.16	0	$ 25.00	$ -	$ 84.75	$ (0.76)	$ -	$ (1.00)	$ 107.99		
NM State Hwy Dept	7/14/2015	8/13/2015	205	$ 0.13	30	$ 0.25	0	$ 25.00	$ -	$ 25.63	$ (0.52)	$ -	$ 0.88	$ 50.99		
NM State Hwy Dept	4/15/2015	5/14/2015	185	$ 0.13	29	$ 0.26	0	$ 25.00	$ -	$ 23.13	$ (0.47)	$ -	$ 0.50	$ 48.16		
NM State Hwy Dept	2/12/2015	3/16/2015	833	$ 0.13	32	$ 0.16	0	$ 25.00	$ -	$ 104.13	$ (1.71)	$ -	$ 3.82	$ 131.24		
NM State Hwy Dept	12/15/2014	1/16/2015	1,704	$ 0.13	32	$ 0.14	0	$ 25.00	$ -	$ 213.00	$ (3.50)	$ -	$ 6.44	$ 240.94	$ 1,390.37	8,652

TABLE 1 (cont.)

Name	Service From	Service to	KWH Used	kWh	No days	kWh + fees	Demand Used	Customer Charge	Demand Charge	Energy Charge	Debt Cost Adj.	Security Lights	Power Cost Adj.	Total	Yearly Average	Average Yearly KWH
NM State Hwy Dept	10/15/2014	11/14/2014	147	$0.13	30	$0.29	0	$ 25.00	$ -	$ 18.38	$ (0.17)	$ -	$ (0.22)	$ 42.99		
NM State Hwy Dept	7/14/2015	8/13/2015	182	$0.13	30	$0.26	0	$ 25.00	$ -	$ 22.75	$ (0.46)	$ -	$ 0.78	$ 48.07		
NM State Hwy Dept	4/15/2015	5/14/2015	141	$0.13	29	$0.30	0	$ 25.00	$ -	$ 17.63	$ (0.36)	$ -	$ 0.38	$ 42.65		
NM State Hwy Dept	2/12/2015	3/16/2015	148	$0.13	32	$0.30	0	$ 25.00	$ -	$ 18.50	$ (0.30)	$ -	$ 0.68	$ 43.88		
NM State Hwy Dept	12/15/2014	1/16/2015	144	$0.13	32	$0.30	0	$ 25.00	$ -	$ 18.00	$ (0.30)	$ -	$ 0.54	$ 43.24	$ 529.99	1,829
NM State Hwy Dept	7/14/2015	8/13/2015	195	$0.13	30	$0.25	0	$ 25.00	$ -	$ 24.38	$ (0.49)	$ -	$ 0.83	$ 49.72		
NM State Hwy Dept	4/15/2015	5/14/2015	143	$0.13	29	$0.30	0	$ 25.00	$ -	$ 17.88	$ (0.36)	$ -	$ 0.39	$ 42.91		
NM State Hwy Dept	2/12/2015	3/16/2015	153	$0.13	32	$0.29	0	$ 25.00	$ -	$ 19.13	$ (0.31)	$ -	$ 0.70	$ 44.52		
NM State Hwy Dept	12/15/2014	1/16/2015	154	$0.13	32	$0.29	0	$ 25.00	$ -	$ 19.25	$ (0.32)	$ -	$ 0.58	$ 44.51	$ 544.98	1,935
Socorro County		08/31/15	53,400	$0.13		$0.13	0	$ -	$ -	$ 7,067.87	$ -	$ -	$ -	$ 7,067.87		
Socorro County		07/31/15	46,280	$0.13		$0.13	0	$ -	$ -	$ 6,197.55	$ -	$ -	$ -	$ 6,197.55		
Socorro County		06/30/15	47,160	$0.13		$0.13	0	$ -	$ -	$ 6,341.32	$ -	$ -	$ -	$ 6,341.32		
Socorro County		05/31/15	23,880	$0.15		$0.15	0	$ -	$ -	$ 3,629.63	$ -	$ -	$ -	$ 3,629.63		
Socorro County		04/30/15	25,240	$0.14		$0.14	0	$ -	$ -	$ 3,511.78	$ -	$ -	$ -	$ 3,511.78		
Socorro County		03/31/15	19,600	$0.13		$0.13	0	$ -	$ -	$ 2,635.14	$ -	$ -	$ -	$ 2,635.14		
Socorro County		02/28/15	16,800	$0.15		$0.15	0	$ -	$ -	$ 2,462.23	$ -	$ -	$ -	$ 2,462.23		
Socorro County		01/31/15	25,520	$0.13		$0.13	0	$ -	$ -	$ 3,274.12	$ -	$ -	$ -	$ 3,274.12		
Socorro County		12/31/14	22,840	$0.13		$0.13	0	$ -	$ -	$ 2,857.20	$ -	$ -	$ -	$ 2,857.20		
Socorro County		11/30/14	20,440	$0.15		$0.15	0	$ -	$ -	$ 2,972.89	$ -	$ -	$ -	$ 2,972.89		
Socorro County		10/31/14	26,280	$0.15		$0.15	0	$ -	$ -	$ 3,941.49	$ -	$ -	$ -	$ 3,941.49		
Socorro County		09/30/14	42,480	$0.13		$0.13	0	$ -	$ -	$ 5,482.36	$ -	$ -	$ -	$ 5,482.36	$ 50,373.58	369,920
Socorro County		08/31/15	2,134	$0.14		$0.14	0	$ -	$ -	$ 295.47	$ -	$ -	$ -	$ 295.47		
Socorro County		07/31/15	1,906	$0.14		$0.14	0	$ -	$ -	$ 259.02	$ -	$ -	$ -	$ 259.02		
Socorro County		06/30/15	1,430	$0.14		$0.14	0	$ -	$ -	$ 202.72	$ -	$ -	$ -	$ 202.72		
Socorro County		05/31/15	865	$0.15		$0.15	0	$ -	$ -	$ 133.29	$ -	$ -	$ -	$ 133.29		
Socorro County		04/30/15	1,044	$0.15		$0.15	0	$ -	$ -	$ 155.50	$ -	$ -	$ -	$ 155.50		
Socorro County		03/31/15	1,149	$0.15		$0.15	0	$ -	$ -	$ 171.53	$ -	$ -	$ -	$ 171.53		
Socorro County		02/28/15	1,694	$0.14		$0.14	0	$ -	$ -	$ 241.82	$ -	$ -	$ -	$ 241.82		
Socorro County		01/31/15	1,058	$0.15		$0.15	0	$ -	$ -	$ 161.46	$ -	$ -	$ -	$ 161.46		
Socorro County		12/31/14	712	$0.16		$0.16	0	$ -	$ -	$ 114.82	$ -	$ -	$ -	$ 114.82		
Socorro County		11/30/14	794	$0.16		$0.16	0	$ -	$ -	$ 124.01	$ -	$ -	$ -	$ 124.01		
Socorro County		10/31/14	1,258	$0.14		$0.14	0	$ -	$ -	$ 176.98	$ -	$ -	$ -	$ 176.98		
Socorro County		09/30/14	1,607	$0.13		$0.13	0	$ -	$ -	$ 213.22	$ -	$ -	$ -	$ 213.22	$ 2,249.84	15,651
Socorro County		08/31/15	370	$0.13		$0.13	0	$ -	$ -	$ -	$ -	$ 49.13	$ -	$ 49.13		
Socorro County		07/31/15	370	$0.13		$0.13	0	$ -	$ -	$ -	$ -	$ 47.70	$ -	$ 47.70		
Socorro County		06/30/15	370	$0.13		$0.13	0	$ -	$ -	$ -	$ -	$ 48.24	$ -	$ 48.24		
Socorro County		05/31/15	370	$0.13		$0.13	0	$ -	$ -	$ -	$ -	$ 48.57	$ -	$ 48.57		
Socorro County		04/30/15	370	$0.13		$0.13	0	$ -	$ -	$ -	$ -	$ 48.50	$ -	$ 48.50		
Socorro County		03/31/15	370	$0.13		$0.13	0	$ -	$ -	$ -	$ -	$ 49.41	$ -	$ 49.41		

TABLE 1 (complete)

Name	Service From	Service to	KWH Used	kWh	No days	kWh + fees	Demand Used	Customer Charge	Demand Charge	Energy Charge	Debt Cost Adj.	Security Lights	Power Cost Adj.	Total	Yearly Average	Average Yearly KWH
Socorro County		02/28/15	370	$ 0.13		$ 0.13	0	$ -	$ -	$ -	$ -	$ 49.58	$ -	$ 49.58		
Socorro County		01/31/15	370	$ 0.13		$ 0.13	0	$ -	$ -	$ -	$ -	$ 49.85	$ -	$ 49.85		
Socorro County		12/31/14	370	$ 0.13		$ 0.13	0	$ -	$ -	$ -	$ -	$ 48.78	$ -	$ 48.78		
Socorro County		11/30/14	370	$ 0.13		$ 0.13	0	$ -	$ -	$ -	$ -	$ 48.28	$ -	$ 48.28		
Socorro County		10/31/14	370	$ 0.13		$ 0.13	0	$ -	$ -	$ -	$ -	$ 46.99	$ -	$ 46.99		
Socorro County		09/30/14	370	$ 0.12		$ 0.12	0	$ -	$ -	$ -	$ -	$ 45.66	$ -	$ 45.66	$ 580.69	4,440
Dialysis Facility			18,750	$ 0.13		$ 0.13	0	$ 25.00	$ -	$ 2,437.50	$ -	$ -	$ -	$ 2,462.50	$ 29,550.00	225,000
New Jail			225,000	$ 0.13		$ 0.13	0	$ 25.00	$ -	$ 29,250.00	$ -	$ -	$ -	$ 29,275.00	$ 351,300.00	2,700,000
															$ 1,477,868.20	**11,833,117**

Black = Received SEC Bill

Blue = Projected numbers

Orange = In construction projected #s

Green = Security Lights

Grey = information not available

ATTACHMENTS

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Economic Impact of Changing Electricity Suppliers in the City of Socorro

In October 2014, Stelzner, Winter, Warburton, Flores, Sanchez & Dawes, P.A. commissioned University of New Mexico's Bureau of Business and Economic Research to conduct an analysis of the potential economic impact of switching electricity suppliers in the City of Socorro. This report presents the results of the study and outlines the data and methods used to arrive at these results.

Summary of Findings

Under existing price structures and based on the assumptions detailed below, a switch of electricity providers from Socorro Electric Cooperative to PNM would result in savings of $2,118,037 per year to 2,802 households in the City of Socorro (see Table 1). On average, households in Socorro would save of $755.90 per year. This would include $182.16 in direct savings resulting from lower residential electricity bills, and an additional $476.90 in indirect savings passed on by commercial and industrial users who would pay lower electricity costs. Higher-income households, which consume the most electricity, would realize the greatest savings associated with lower electricity rates.

The expenditure of the $2,118,037 in savings creates 9 new jobs in Socorro County and 6.2 new jobs in other parts of New Mexico; a total of 15.2 new jobs for the entire state. These jobs would result in $569,698 in labor income to employees in the state, and increase the state's economy output by $1,730,248 per year. These are recurring impacts – the jobs are permanent and the increases in labor income and output are annual.

Table 1: Economic Impact of Lower Electricity Rates: Socorro County and State of New Mexico

	Employment	Labor Income	Output
Socorro County	9.0	$252,344	$931,043
Rest of New Mexico	6.2	$317,354	$799,205
State of New Mexico	15.2	$569,698	$1,730,248

Data and Methods of Analysis

This analysis is based on data collected from Socorro Electricity Cooperative (SEC) and PNM, and from the Census Bureau's American Community Survey (ASC) and the Energy Information Agency (EIA).

1. The first step in the analysis is to estimate current expenditures on electricity, paid to SEC, in the City of Socorro. These estimates are summarized in Table 2. According to the Socorro Electric Cooperative 2013 Annual Report, Form 1, SEC provided 70,553 kWh of electricity to 11,227 residential customers in a service area that includes parts of five counties, generating $10,928,392 in revenues. With a $15 per month fixed cost, customers paid $2,022,660 in upfront payments, and $8,905,732 in marginal (or rate based) payments; thus an average marginal rate of $0.126/kWh for residential customers. Additionally, SEC provided 71,800,146 kWh of electricity at a cost of $9,035,956 to 1,582 commercial customers, and 35,746,808 kWh of electricity at a cost of $3,796,115 to 10 industrial customers. Average rates for commercial and industrial customers are $0.126/kWh and $0.106/kWh, respectively.

Table 2: Socorro Electric Cooperative customers, kWh sales and revenues, 2013

	No. of Customers	kWh sales	Revenues: Fixed Rates	Revenues: Marginal Rates	Total Revenues
Residential	11,237	70,552,806	$2,022,660	$8,905,732	$10,928,392
Commercial	1,582	71,800,146	NA	NA	$9,035,956
Industrial	10	35,746,808	NA	NA	$3,796,115
	12,829	178,099,760			$23,760,463

Source: Socorro Electric Cooperative Annual report, 2013, Form 1.

According to the Census Bureau's American Community Survey (ACS), 2009-2013 five year estimates, the City of Socorro includes 2,802 households. Estimates for SEC electricity sales to customers in the city are summarized in Table 3. Assuming that consumption in these households is the same as other households in the service area, households in Socorro consume 17,592,682 kWh of electricity and pay $2,725,047 in revenues; approximately 25 percent of SEC's residential revenues. Assuming that the same percentage of commercial consumers is also located in the City of Socorro, these establishments consume 17,881,958 kWh of electricity and pay $2,250,421 in revenues to SEC. This is likely a conservative estimate for this thinly populated area. Finally, we assume that all industrial users (10) are located in the City of Socorro, as there are no other population centers with population greater than 1,500 persons in the SEC service area.

Table 3: Estimated Socorro Electric Cooperative customers, kWh sales and revenues in the City of Socorro, 2013

	No. of Customers	kWh sales	Revenues: Fixed Rates	Revenues: Marginal Rates	Revenues
Residential	2,802	17,592,682	$504,360	$2,220,687	$2,725,047
Commercial	394	17,881,958	NA	NA	$2,250,421
Industrial	10	35,746,808	NA	NA	$3,796,115
	3,206	71,221,448			$8,771,584

Source: Socorro Electric Cooperative Annual report, 2013, Form 1.

2. The second step of the analysis is to estimate projected expenditures for electricity for customers in the City of Socorro, to be paid to PNM following the switch among providers. It is assumed that number of customers and electricity consumption will be unchanged; and that PNM will extend current rates to customers in the City of Socorro. These estimates are summarized in Table 4.

Table 4: Estimated PNM kWh sales and revenues in the City of Socorro, 2013

	No. of Customers	kWh sales	Revenues: Fixed Rates	Revenues: Marginal Rates	Revenues
Residential	2,802	17,592,682	$168,120	$2,046,508	$2,214,628
Commercial	394	17,881,958	NA	NA	$1,879,277
Industrial	10	35,746,808	NA	NA	$2,559,641
	3,206	71,221,448			$6,653,547

Source: www.pnmresources.com

3. The third step is to calculate the total savings to households in City of Socorro as a result of lower rates from PNM. These data are in Table 5 and are simply the difference in revenues collected by SEC (in Table 3) and those projected to be collected by PNM (in Table 4).

Table 5: Estimated savings to households in the City of Socorro, 2013

	Savings from Switching
Residential	$510,419
Commercial	$371,144
Industrial	$1,236,474
Total	**$2,118,037**

4. Next, we apportion the savings to households in the City of Socorro according to household income. This combines data from ASC, which provides the number of total households by income in Socorro, and the relative consumption of electricity by households by income. The data and analysis are summarized in Table 6.

Column A shows the number of households in the City of Socorro in nine income categories, according to the ACS (2009-2013 average). Column B shows average household consumption of electricity for New Mexico and Nevada, by the same nine income categories. The source is the Energy Information Agency's most recent Residential Energy Consumption Survey (2009). Column C estimates total electricity consumption, by income category, for Socorro, and column D shows computes the share of total energy consumed by each income category. Finally, column E apportions the savings, calculated in Table 4, to households in the City of Socorro according to income category. Column F is the average savings per household in each income category.

Table 6: Savings to households in the City of Socorro, by income, 2013

Income	A. Socorro Households (ACS)	B. Avg Household kWh (EIA)	C. Socorro Electricity Consumption (kWh)	D. Socorro Electricity Consumption (%)	E. Socorro Savings ($)	F. Avg Savings ($)
<10k	356	7,138	2,541,049	9%	$186,208	$523
15k	345	8,866	3,058,693	11%	$224,141	$650
25k	407	7,746	3,152,716	11%	$231,031	$568
35k	375	11,713	4,392,490	15%	$321,882	$858
50k	247	9,218	2,276,802	8%	$166,844	$675
75k	547	11,649	6,372,163	22%	$466,952	$854
100k	234	13,078	3,060,263	11%	$224,256	$958
150k	224	13,915	3,116,894	11%	$228,406	$1,020
>150k	67	13,915	932,285	3%	$68,318	$1,020
	2,802		28,903,356	100%	$2,118,037	$756

5. The final step in the analysis is to estimate the economic impact of the expenditure of these savings to Socorro County and the State of New Mexico. Analysis utilizes a standard input-output model, built in IMPLAN. The inputs to the model are the additional spending by households in each income category. IMPLAN uses data on consumption patterns of households, by income, to calculate the number of jobs, labor income and to output that result from new spending.

As detailed above, the expenditure of the $2,118,037 in savings that results from lower electricity rates creates 9 new jobs in Socorro County and 6.2 new jobs in other parts of New Mexico; a total of 15.2 new jobs for the entire state. These jobs would result in $569,698 in

labor income to employees in the state each year, and increase the state's economy output by $1,730,248 per year.

Assumptions

The following is a description of the assumptions used in this analysis.

1. The rates charged by PNM remain unchanged, and are applied equally to new customers in the City of Socorro. Alternatively, it could be assumed that SEC alters its rate structure equally to changes made by PNM.

2. Electricity consumption and price of electricity remain the same in the future.

3. All savings, including those to commercial and industrial users, accrue to households. This, in turn, is based on an assumption that commercial and industrial users work in competitive markets, and thus pass their savings onto their customers in order to remain competitive.

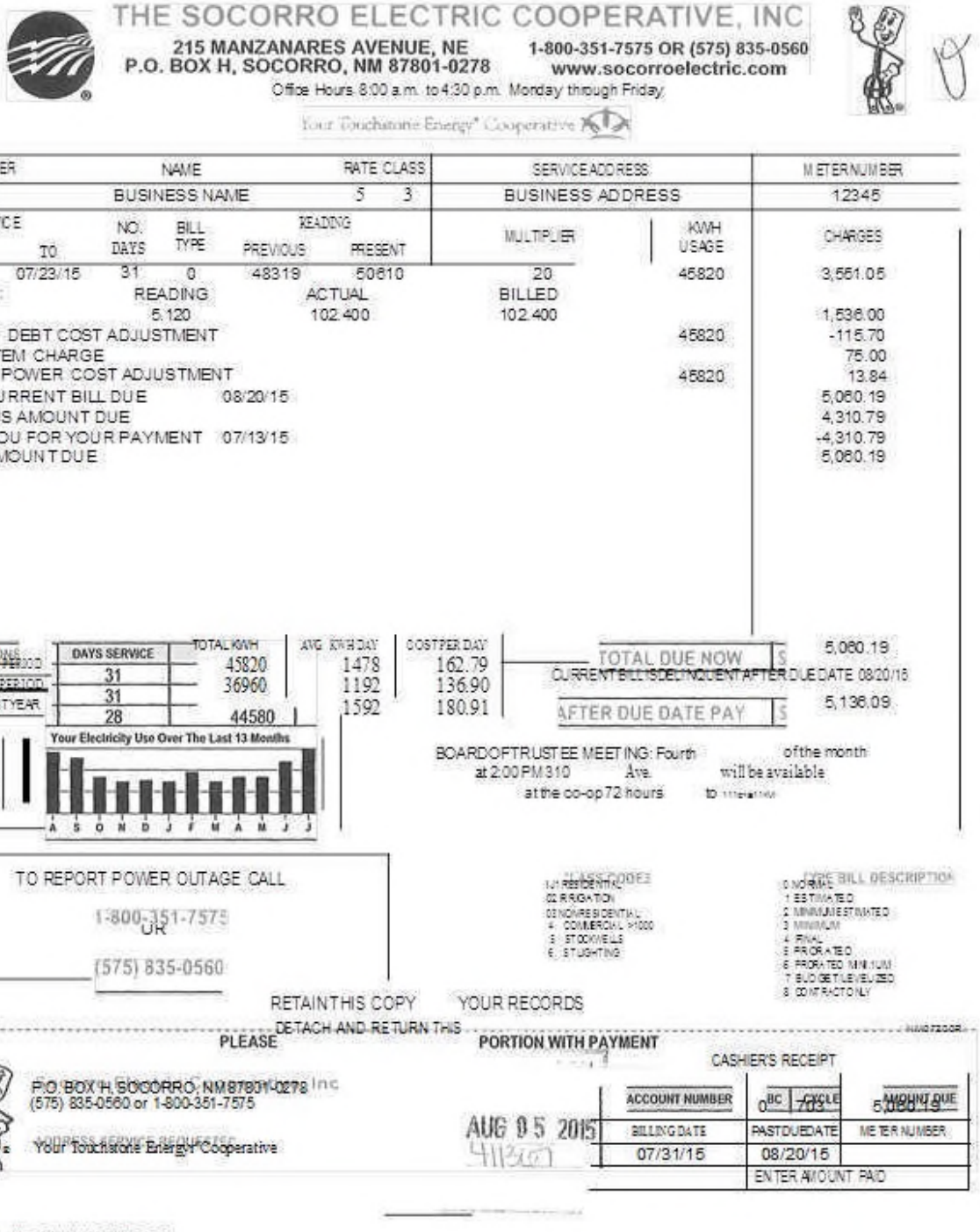
4. The switching of provider imposes no costs to electricity customers. That is, the costs associated with the transfer of infrastructure and equipment from SEC to the City of Socorro or PNM, are not passed onto customers.

5. The expenditures and labor requirements associated with the generation and distribution of electricity to Socorro are the same for PNM and SEC. In the IMPLAN model, this implies that all impacts resulting from the savings are induced; that is, there are no direct or indirect impacts.

ATTACHMENT 2

Typical Socorro Electric Cooperative Billing
Industrial Park Users

No. Days	kWh Used	Energy Charge	Customer Charge	Demand Used	Demand Charge	Debt Cost Adj.	Security Lights	Power Cost Adj.	Total
31	45,820	$3,551.05	$ 75.00	102.4	$ 1,536.00	$(115.70)	$ -	$ 13.84	$ 5,060.19



THE SOCORRO ELECTRIC COOPERATIVE, INC
215 MANZANARES AVENUE, NE
P.O. BOX H, SOCORRO, NM 87801-0278
1-800-351-7575 OR (575) 835-0560
www.socorroelectric.com
Office Hours 8:00 a.m. to 4:30 p.m. Monday through Friday
Your Touchstone Energy® Cooperative

ACCOUNT NUMBER	NAME	RATE CLASS	SERVICE ADDRESS	METER NUMBER
SAMPLE	BUSINESS NAME	5 3	BUSINESS ADDRESS	12345

SERVICE FROM	TO	NO. DAYS	BILL TYPE	READING PREVIOUS	READING PRESENT	MULTIPLIER	KWH USAGE	CHARGES
06/22/15	07/23/15	31	0	48319	50810	20	45820	3,551.05
DEMAND:			READING	ACTUAL		BILLED		
			5.120	102.400		102.400		1,536.00
-0.002525	DEBT COST ADJUSTMENT						45820	-115.70
	SYSTEM CHARGE							75.00
0.000302	POWER COST ADJUSTMENT						45820	13.84
	TOTAL CURRENT BILL DUE		08/20/15					5,060.19
	PREVIOUS AMOUNT DUE							4,310.79
	THANK YOU FOR YOUR PAYMENT		07/13/15					-4,310.79
	TOTAL AMOUNT DUE							5,060.19

COMPARISONS	DAYS SERVICE	TOTAL KWH	AVG KWH/DAY	COST PER DAY
CURRENT BILLING PERIOD	31	45820	1478	162.79
PREVIOUS BILLING PERIOD	31	36960	1192	136.90
SAME PERIOD LAST YEAR	28	44580	1592	180.91

TOTAL DUE NOW $ 5,060.19
CURRENT BILL IS DELINQUENT AFTER DUE DATE 08/20/15
AFTER DUE DATE PAY $ 5,136.09

Your Electricity Use Over The Last 13 Months
45,820
30,547
15,273
0
A S O N D J F M A M J J

BOARD OF TRUSTEE MEETING: Fourth of the month
at 2:00 PM 310 Ave. will be available
at the co-op 72 hours to

TO REPORT POWER OUTAGE CALL
1-800-351-7575
OR
(575) 835-0560

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AUG 05 2015

CASHIER'S RECEIPT

ACCOUNT NUMBER	BC	CYCLE	AMOUNT DUE
	0	705	5,060.19
BILLING DATE	PAST DUE DATE		METER NUMBER
07/31/15	08/20/15		
	ENTER AMOUNT PAID		

AUTO **AUTO**MIXED MDC 270