The content of the					Electric Product Detailed Technical Assumptions															1	Technical	Program Forecast Inputs				Stipulated Forecast Inputs			Program Forecast Outputs						
Part	Measure Description		High Efficienc	cy Product Assump	otions	Baseline Pr	oduct Assumption	s		Eco	onomic Assumpti	ons					Stipulate	d Output				Economic As	ssumptions		2012		201	13				2012		201	3
	Electric Measure Group	Electric Measure Description		Efficient Product Consumption (watts)	of Operation	Baseline Product	Consumption	Hours of Operation	Lifetime		Baseline Product Cost	of Efficient Product	Energy Cost	of Incremental	Payback Period F	Payback Period	ustomer kWh Savings	Cust kWh Saved	Lifetime cost /Cust KWh	Customer kW .	W Savings 0	O&M Savings					2013 Participants (-)			Rate	Rate C	Gen kW Gen kWh	Budget	013 NET 2013 NE Gen kW (kW) (kWh)	Wh Budget
	AL	Heating Effects from R-19 to R40 in Electric	D 40 leadeles estillates	45 400	707	D 40 les delles	46,000	707		ėn.	do.	60		#DIV/01	0.0	0.0	750	60.000	#0.000	0.00	0.00	#0.00	#0.00	0.000/	0	0	400		040/	4000/	4000	0 0		616 662,11	\$210,931
			-																													0 0		40 31,42	3 \$8,650
Separate sep									20																	U		363						40 31,42.	
Section of the sectio			w/ avg 28.4% reduction	14,450	787	home	16,383	/8/	10	\$0	\$0	\$0	\$ 0.114	#DIV/U!	0.0	0.0	1,521	\$0.000	\$0.000	1.93	0.00	\$0.00	\$0.00	0.00%	0	U	0	0	94%	100%	100%	0 0	\$0	0 0	\$0
Section of the sectio	ealing / bypass sealing and Weatherstripping			339	628		474	628	10	\$8	\$0	\$41	\$ 0.114	20%	4.3	3.4	85	\$0.098	\$0.010	0.13	0.12	\$0.00	\$0.00	80.91%	0	0	14	69	94%	100%	100%	0 0	\$0	8 5,946	\$572
See Triange and See Triange an	icaling / bypass scaling and Weatherstripping	Tier 3 Heating Effects with minimum 33% ACH Reduction in Electric Resistance Heated Home	.36 ACH in 2000 sq. ft. home w/ avg 39.7% reduction	0	787		16,383	787	10	\$0	\$0	\$0	\$ 0.114	#DIV/0!	0.0	0.0	12,891	\$0.000	\$0.000	16.38	0.00	\$0.00	\$0.00	0.00%	0	0	0	0	94%	100%	100%	0 0	\$0	0 0	\$0
Secretary Secret	iealing / bypass sealing and Weatherstripping			285	628		474	628	10	\$10	\$0	\$52	\$ 0.114	20%	3.9	3.1	118	\$0.088	\$0.009	0.19	0.16	\$0.00	\$0.00	80.91%	0	0	28	136	94%	100%	100%	0 0	\$0	21 16,367	7 \$1,413
See Legislation of the see Legislation of See Legis	Insulation: sub-siding or cavity		R-11	16,383	787	R-0	25,446	787	20	\$0	\$0	\$0	\$ 0.114	#DIV/0!	0.0	0.0	7,131	\$0.000	\$0.000	9.06	0.00	\$0.00	\$0.00	0.00%	0	0	0	0	94%	100%	100%	0 0	\$0	0 0	\$0
	Insulation: sub-siding or cavity		R-11	2,005	628	R-0	2,591	628	20	\$106	\$0	\$286	\$ 0.114	37%	6.8	4.3	368	\$0.289	\$0.014	0.59	0.51	\$0.00	\$0.00	80.91%	0	0	52	249	94%	100%	100%	0 0	\$0	120 93,320	0 \$26,461
Segretary segret	3	2012	20 CFLs	380	720	20 Incandescent Lamps	1,259	720	9	\$40	\$0	\$63	\$ 0.114	63%	0.9	0.3	633	\$0.063	\$0.007	0.88	0.08	\$0.00	\$0.00	8.00%	0	0	0	0	94%	100%	100%	0 0	\$0	0 0	\$0
Separate Sep	5	2013	18 CFLs	342	885	18 Incandescent Lamps	1,045	885	10	\$40	\$0	\$63	\$ 0.114	63%	0.9	0.3	622	\$0.064	\$0.006	0.70	0.06	\$0.00	\$0.00	8.00%	0	0	43	204	94%	100%	100%	0 0	\$0	12 129,30	9 \$8,160
Segretaries and sugaries and su	igerator Recycling	Refrigerator Recycling		0	7,361		134	7,361	7	\$0	\$0	\$0	\$ 0.114	#DIV/0!	0.0	0.0	989	\$0.000	\$0.000	0.13	0.15	\$0.00	\$0.00	100.00%	0	0	0	0	94%	100%	100%	0 0	\$0	0 0	\$0
				60	8,760	1	71	8,760	13	\$15	\$1,070	\$30	\$ 0.114	50%	2.8		93		\$0.012				\$0.00	100.00%	0	0	22	106				0 0	\$0	1 10,084	4 \$1,590
Tenne Menter Market Mar	Furnace Fan	ECM Furnace Fan		150	2,484	PSC Motor	400	2,484	15	\$200	\$0	\$400	\$ 0.114	50%	5.6	2.8	621	\$0.322	\$0.021	0.25	0.00	\$0.00	\$0.00	0.00%	0	0	9	41	94%	100%	100%	0 0	\$0	0 25,928	8 \$8,200
The section of the se	washer	Dishwasher with Electric DHW	0.65 Energy Factor - Energy Star Recommended	1,538	215		2,174	215	11	\$15	\$0	\$30	\$ 0.114	50%	1.9	1.0	137	\$0.110	\$0.010	0.64	0.02	\$1.64	\$0.00	2.45%	0	0	3	12	94%	100%	100%	0 0	\$0	0 1,670	\$180
**************************************	washer E	Dishwasher with Gas DHW		870	215		1,229	215	11	\$5	\$0	\$10	\$ 0.114	50%	1.1	0.6	77	\$0.065	\$0.006	0.36	0.01	\$0.55	\$0.00	2.45%	0	0	23	110	94%	100%	100%	0 0	\$0	1 8,631	\$553
**************************************	hes Washer	Clothes Washer with Electric DHW	Energy Star Clothes washer	2,269	200	standard clothes washer	3,243	200	11	\$70	\$0	\$200	\$ 0.114	35%	9.0	5.8	195	\$0.359	\$0.033	0.97	0.02	\$26.66	\$0.00	1.64%	0	0	3	16	94%	100%	100%	0 0	\$0	0 3,175	\$1,120
Secretary Secret	hes Washer C	Clothes Washer with Gas DHW	Energy Star Clothes washer	281	200	standard clothes washer	410	200	11	\$24	\$0	\$69	\$ 0.114	35%	23.6	15.3	26	\$0.942	\$0.086	0.13	0.00	\$9.26	\$0.00	1.64%	0	0	31	147	94%	100%	100%	0 0	\$0	0 3,862	\$3,574
- The section of the	ack Thermostat	Setback Thermostat	degree set back during	2,049	628		2,162	628	5	\$7	\$0	\$ 15	\$ 0.114	50%	1.8	0.9	71	\$0.102	\$0.020	0.11	0.00	\$0.00	\$0.00	0.00%	0	0	39	186	94%	100%	100%	0 0	\$0	0 13,539	9 \$1,360
Properties Pro	Pump Water Heaters		Ity 2.19 EF heat pump water Heater 40 gallon tank	1,869	1,073	water heater 40 Gallon	4,500	1,073	13	\$550	\$650	\$1,150	\$ 0.114	48%	3.6	1.9	2,823	\$0.195	\$0.015	2.63	0.34	\$0.00	-\$37.08	12.00%	0	0	1	5	94%	100%	100%	0 0	\$0	2 14,374	4 \$2,750
Part Continue Part Continue Part Continue Part Pa			3 Ton Evaporative Cooler	388	422		3,220	422	15	\$125	\$4,715	-\$4,104	\$ 0.114	-3%	-30.1	-31.0	1,194	\$0.105	\$0.007	2.83	2.15	-\$10.26	\$0.00	70.00%	0	0	8	40	94%	100%	100%	0 0	\$0	81 48,646	6 \$5,000
Section of the content of the cont			3 Ton Evaporative Cooler	388	422		3,220	422	15	\$275	\$4,715	-\$4,104	\$ 0.114	-7%	-30.1	-32.1	1,194	\$0.230	\$0.015	2.83	2.15	-\$10.26	\$0.00	70.00%	0	0	4	20	94%	100%	100%	0 0	\$0	40 24,323	3 \$5,500
Secretary Secret				388	422		3,220	422	15	\$525	\$4,715	-\$3,595	\$ 0.114	-15%	-26.4	-30.2	1,194	\$0.440	\$0.029	2.83	2.15	-\$6.77	\$0.00	70.00%	0	0	4	20	94%	100%	100%	0 0	\$0	40 24,323	3 \$10,50
**************************************				388	422		3,220	422	15	\$625	\$4,715	-\$3,595	\$ 0.114	-17%	-26.4	-31.0	1,194	\$0.523	\$0.035	2.83	2.15	-\$6.77	\$0.00	70.00%	0	0	4	20	94%	100%	100%	0 0	\$0	40 24,323	3 \$12,50
Section (1) Continue (1) Contin				760	422		3,220	422	15	\$1,000	\$4,715	\$4,621	\$ 0.114	22%	39.1	30.6	1,037	\$0.964	\$0.064	2.46	1.87	-\$6.77	\$0.00	70.00%	0	0	4	20	94%	100%	100%	0 0	\$0	35 21,125	5 \$20,00
The contribution of the co	Cooling (Alamosa/Mountain Areas)		3 Ton Evaporative Cooler	388	261		3,220	261	15	\$125	4,715	-4,104	\$ 0.114	-3%	-48.7	-50.2	739	\$0.169	\$0.011	2.83	2.15	-\$10.26	\$0.00	70.00%	0	0	0	0	94%	100%	100%	0 0	\$0	0 0	\$0
Part			3 Ton Evaporative Cooler	388	261		3,220	261	15	\$275	4,715	-4,104	\$ 0.114	-7%	-48.7	-52.0	739	\$0.372	\$0.025	2.83	2.15	-\$10.26	\$0.00	70.00%	0	0	0	0	94%	100%	100%	0 0	\$0	0 0	\$0
Control Cont	Cooling (Alamosa/Mountain Areas)	High Efficiency Evaporative Replacing 13 SEER A/C 3 ton; (Tier 2) Replacement	High Effic Evaporative Cooler 3 Tons	388	261		3,220	261	15	\$525	4,715	-3,595	\$ 0.114	-15%	-42.7	-48.9	739	\$0.711	\$0.047	2.83	2.15	-\$6.77	\$0.00	70.00%	0	0	0	0	94%	100%	100%	0 0	\$0	0 0	\$0
Part	Cooling (Alamosa/Mountain Areas)	High Efficiency Evaporative Replacing 13 SEER A/C 3 ton; (Tier 2) 1st Time Install		388	261	Conv Furn SEER 13 - New/ Remod Home 3 ton	3,220	261	15	\$625	4,715	-3,595	\$ 0.114	-17%	-42.7	-50.1	739	\$0.846	\$0.056	2.83	2.15	-\$6.77	\$0.00	70.00%	0	0	0	0	94%	100%	100%	0 0	\$0	0 0	\$0
Part Implementation Part	Cooling (Alamosa/Mountain Areas)	High Efficiency Evaporative Replacing 13 SEER central A/C 3 ton; (Tier 3) Replacement		760	261		3,220	261	15	\$1,000	4,715	4,621	\$ 0.114	22%	63.1	49.5	642	\$1.559	\$0.104	2.46	1.87	-\$6.77	\$0.00	70.00%	0	0	0	0	94%	100%	100%	0 0	\$0	0 0	\$0
Page Caping Cap	Cooling (Grand Junction/Western Slope)	Evaporative Cooling Replacing 13 SEER central A/C (Tier 1) Replacement	3 Ton Evaporative Cooler	388	491		3,220	491	15	\$125	\$4,715	-\$4,104	\$ 0.114	-3%	-25.9	-26.7	1,390	\$0.090	\$0.006	2.83	2.15	-\$10.26	\$0.00	70.00%	0	0	0	0	94%	100%	100%	0 0	\$0	0 0	\$0
Second point and autonomination from the property in Expert and position fro			3 Ton Evaporative Cooler	388	491	Conv Furn SEER 13 - New/ Remod Home 3 ton	3,220	491	15	\$275	\$4,715	-\$4,104	\$ 0.114	-7%	-25.9	-27.6	1,390	\$0.198	\$0.013	2.83	2.15	-\$10.26	\$0.00	70.00%	0	0	0	0	94%	100%	100%	0 0	\$0	0 0	\$0
State Carbon Ca	Cooling (Grand Junction/Western Slope)	High Efficiency Evaporative Replacing 13 SEER A/C 3 ton; (Tier 2) Replacement	High Effic Evaporative Cooler 3 Tons	388	491		3,220	491	15	\$525	\$4,715	-\$3,595	\$ 0.114	-15%	-22.7	-26.0	1,390	\$0.378	\$0.025	2.83	2.15	-\$6.77	\$0.00	70.00%	0	0	0	0	94%	100%	100%	0 0	\$0	0 0	\$0
Page Coding Grand Autonion Weethern Slape Page Pa	Cooling (Grand Junction/Western Slope)	High Efficiency Evaporative Replacing 13 SEER A/C 3 ton; (Tier 2) 1st Time Install		388	491		3,220	491	15	\$625	\$4,715	-\$3,595	\$ 0.114	-17%	-22.7	-26.6	1,390	\$0.450	\$0.030	2.83	2.15	-\$6.77	\$0.00	70.00%	0	0	0	0	94%	100%	100%	0 0	\$0	0 0	\$0
Contract prise intend regular (Contract prise intend regular (Contract prise intend regular (Contract prise intended regular (Cont		High Efficiency Evaporative Replacing 13 SEER		760	491	Conv Furn SEER 13 - New/	3,220	491	15	\$1,000	\$4,715	\$4,621	\$ 0.114	22%	33.6	26.3	1,207	\$0.828	\$0.055	2.46	1.87	-\$6.77	\$0.00	70.00%	0	0	0	0	94%	100%	100%	0 0	\$0	0 0	\$0
Second part Property Control part Pr	ting Home Install High Efficiency ENERGY STAR AC CEE Tier 1		w/o Quality Installation	3,000	919	3T SEER 13 w/o Quality Installation	3,220	919	14.00	\$300	\$4,329	\$521	\$ 0.114	58%	22.6	9.6	202	\$1.484	\$0.106	0.22	0.21	\$0.00	\$0.00	89.90%	0	0	5	24	94%	100%	100%	0 0	\$0	5 4,941	\$7,200
According from the Provide Cultily Intelligent of Provide Cult		Replace with High Eff A/C	3 Ton 15 SEER; 12.5 EER; w/o Quality Installation	2,880	766	Installation	3,220	766	14.00	\$400	\$4,329	\$693	\$ 0.114	58%	23.3	9.9	261	\$1.535	\$0.110	0.34	0.33	\$0.00	\$0.00	89.90%	0	0	1	4	94%		100%	0 0	\$0	1 1,061	\$1,600
1 T 1 SEER See Provide Classify installation of new AC in exist home - AC 3 T List with Classify Cla	No. 11 Brands Coults Installation of 40 in order brane. 40		w/o Quality Installation			Installation																												, .	_
Estiming Rome Provide Quality Installation of new AC in exist Horser A	12 CEED		Installation			Installation																													
Statistical High Efficiency AC With Quality Installation rinew AC 100 mix with Caulity	ting Home Provide Quality Installation of new AC in exist home - AC		Installation			Installation		-																											
Installation Trade in Installation Trade Installation Trade in Installation Trade in Installation Trade Installation Trade In Installation Trade In Installation Trade In	ting Home Provide Quality Installation of new AC in exist home - AC		Installation 3 T Units with Quality	,		Installation 3T Units w/o Quality		-			—																								
Install High Efficiency NERGY STAR AC CEE Tier 1 with Quality Early Retirement Install High Efficiency AC Quality Installation Trade in Part Install High Efficiency AC Quality Installation Trade in Part Install High Efficiency AC Quality Installation of 1 AT No. 0.000 St. 0.0	16 SEER		Installation 3 Ton 14 SEER; 11.76 EER;			3 T SEER 10 EER 9.2 w/o																												. , .	-
According to the control of the co	Ill High Efficiency ENERGY STAR AC CEE Tier 1 with Quality		3 Ton 14.5 SEER; 12 EER;			3 T SEER 10 EER 9.2 w/o		-																											-
Install Figh Efficiency ENERGY STAR AC CEE Tier 3 with Quality Installation of 18 FERT, 15 EER 12 WO 2,000 728 31 SEER 10 SER 12 WO 2,000 728 31 SEER 10 SER	ill High Efficiency ENERGY STAR AC CEE Tier 2 with Quality		3 Ton 15 SEER; 12.5 EER;			3 T SEER 10 EER 9.2 w/o							\$ 0.114																						_
Installation of new GSHP 3.4 T 14.1 EER in EXISTING HOME(1440 Sq. PL) for COOLING Installation of 2.4 To 1.3	Ill High Efficiency ENERGY STAR AC CEE Tier 3 with Quality		3 Ton 16 SEER; 13 EER; w			3 T SEER 10 EER 9.2 w/o																													
Installation of 3.4 Ton	illation of new GSHP 3.4 T 14.1 EER in EXISTING HOME(1440 Sq.	Install GSHP Cooling	Installation of 3.4Ton capacity closed loop, 14.1		701	Installation of 2.16Ton 13	2,322	701	20.00	\$341	\$4,385	\$657	\$ 0.114	52%	6.2	3.0	932	\$0.366	\$0.018	1.33	0.85	\$0.00	\$0.00	59.07%	0	0	0	2	94%	100%	100%	0 0	\$0	2 1,898	3 \$683
Insulation to frew Users 2 4 5 3 5 0 0 7 1 2 5 0 1 1 2 5 0 7 1 2 5	illation of new GSHP 3.4 T 3.3 COP in EXISTING HOME (1440 Sq. I	Install GSHP Heating	Installation of 3.4 Ton capacity, 3.3 COP closed	3,634	1,409	Installation of ducted elec resistance htg	11,908	1,409	20.00	\$683	\$1,866	\$2,863	\$ 0.114	24%	2.2	1.6	11,657	\$0.059	\$0.003	8.27	0.00	\$0.00	\$0.00	0.00%	0	0	0	2	94%	100%	100%	0 0	\$0	0 23,744	4 \$1,365