Gas Product Detailed Technical Assumptions																		Program Forecast Inputs		Stipulated Forecast Inputs			Program Forecast Outputs		
Measure Description		High Efficiency Product Assumptions		Baseline Product Assumptions		Economic Assumptions				Stipulated Output						Economic Assumptions		2014		Valid Throughout Filing Period			2014		
Natural Gas Measure Group	Natural Gas Measure Description	High Efficiency Product Description / Rating	High Efficiency Product Consumption (Dth/yr)	Baseline Product Description / Rating	Baseline Product Consumption (Dth/yr)	Life of Product (years)	Average Rebate Amount	Average Baseline Product Cost	Average Incremental Cost of Efficient Product	Assumed Energy Cost ($/Dth)	Rebate as a % of Incremental Cost	Incremt'l Cost Payback Period w/o Rebate	Incremt'l Cost Payback Period with Rebate	Average Annual Customer Dth Savings	Average rebated cost per Dth Saved	Average rebated Lifetime cost per Dth Saved	Non-Energy O&M Savings	Energy O&M Savings	2014 Participants (-)	2014 Units (-)	NTG (%)	Installation Rate (%)	Realization Rate (%)	2014 NET Dth (Dth)	2014 Rebate Budget ($)	2014 Incremental Cost ($)
TOTAL																		3,899	6,795				117,196	$2,905,568	$6,534,778
Envelope Measures - Jurisdictions Requiring IECC 2009 or older Code Compliant HERS Index Scores	HERS 71-75 - Combo Customers	Energy Efficient Home at Average size 1915 sq. ft and Final HERS 71	72	Reference Home Based upon Local Code with Baseline HERS 84	86	20	$44	$0	$255	$5.96	17%	2.961862736	2.45095437	14.44	$3.05	$0.15	$0	$0.00	5	8	92%	100%	100%	106	$352	$2,039
Envelope Measures - Jurisdictions Requiring IECC 2009 or older Code Compliant HERS Index Scores	HERS 66-70 - Combo Customers	Energy Efficient Home at Average size 2276 sq. ft and Final HERS 68	71	Reference Home Based upon Local Code with Baseline HERS 83	91	20	$126	$0	$413	$5.96	31%	3.459262226	2.40170382	20.02	$6.30	$0.32	$0	$0.00	65	113	92%	100%	100%	2,081	$14,261	$46,646
Envelope Measures - Jurisdictions Requiring IECC 2009 or older Code Compliant HERS Index Scores	HERS 61-65 - Combo Customers	Energy Efficient Home at Average size 3044 sq. ft and Final HERS 63	80	Reference Home Based upon Local Code with Baseline HERS 79	108	20	$271	$0	$732	$5.96	39%	4.581846304	2.81529432	25.69	$10.53	$0.53	$0	$0.00	169	295	92%	100%	100%	6,973	$79,798	$206,968
Envelope Measures - Jurisdictions Requiring IECC 2009 or older Code Compliant HERS Index Scores	HERS 0-60 - Combo Customers	Energy Efficient Home at Average size 3554 sq. ft and Final HERS 56	83	Reference Home Based upon Local Code with Baseline HERS 76	120	20	$623	$0	$1,671	$5.96	37%	7.688049048	4.82068637	36.47	$17.09	$0.85	$0	$0.00	500	872	92%	100%	100%	29,260	$543,518	$1,457,294
Envelope Measures - Jurisdictions Requiring Better Than IECC 2009 Code HERS Index Scores	HERS 61-65 - Combo Customers	Energy Efficient Home at Average size 2791 sq. ft and Final HERS 63	66	Reference Home Based upon Local Code with Baseline HERS 77	85	20	$167	$0	$714	$5.96	23%	6.20008105	4.7498434	19.32	$8.64	$0.43	$0	$0.00	14	24	92%	100%	100%	427	$4,008	$17,133
Envelope Measures - Jurisdictions Requiring Better Than IECC 2009 Code HERS Index Scores	HERS 0-60 - Combo Customers	Energy Efficient Home at Average size 3851 sq. ft and Final HERS 56	85	Reference Home Based upon Local Code with Baseline HERS 71	113	20	$353	$0	$1,515	$5.96	23%	9.342641011	7.16264502	27.20	$12.99	$0.65	$0	$0.00	96	168	92%	100%	100%	4,205	$59,381	$254,486
Envelope Measures - Jurisdictions Requiring Better Than IECC 2009 Code HERS Index Scores	Energy Star V3 compliant with HERS 0-60/ Energy Star Appliances and all V3 paperwork	Energy Efficient Home Meeting Requirements of Energy Star V3 with Average size 3851 sq. ft and Final HERS 56	91	Reference Home Based upon Local Code with Baseline HERS 71	118	20	$530	$0	$2,222	$5.96	24%	13.34571397	10.4513573	27.15	$19.53	$0.98	$62	$0.00	0	0	92%	100%	100%	0	$0	$0
Envelope Measures - Jurisdictions Requiring Code Compliant HERS Index Scores	Energy Star V3 compliant with HERS 0-60/ Energy Star Appliances and all V3 paperwork	Energy Efficient Home Meeting Requirements of Energy Star V3 with Average size 1736 sq. ft and Final HERS 52	86	Reference Home Based upon Local Code with Baseline HERS 72	125	20	$736	$0	$2,439	$5.96	30%	10.32248103	7.39433309	38.62	$19.05	$0.95	$62	$0.00	47	82	92%	100%	100%	2,914	$60,339	$199,918
Envelope Measures - Jurisdictions Requiring IECC 2009 or older Code Compliant HERS Index Scores	HERS 71-75- Gas Only Customers	Energy Efficient Home at Average size 1915 sq. ft and Final HERS 71	72	Reference Home Based upon Local Code with Baseline HERS 84	86	20	$100	$0	$255	$5.96	39%	2.961862736	1.79991513	14.44	$6.93	$0.35	$0	$0.00	0	0	92%	100%	100%	0	$0	$0
Envelope Measures - Jurisdictions Requiring IECC 2009 or older Code Compliant HERS Index Scores	HERS 66-70 - Gas Only Customers	Energy Efficient Home at Average size 2309 sq. ft and Final HERS 67	84	Reference Home Based upon Local Code with Baseline HERS 81	105	20	$250	$0	$414	$5.96	60%	3.29844898	1.30488927	21.04	$11.88	$0.59	$0	$0.00	21	36	92%	100%	100%	697	$9,000	$14,891
Envelope Measures - Jurisdictions Requiring IECC 2009 or older Code Compliant HERS Index Scores	HERS 61-65 - Gas Only Customers	Energy Efficient Home at Average size 3304 sq. ft and Final HERS 63	85	Reference Home Based upon Local Code with Baseline HERS 83	114	20	$500	$0	$789	$5.96	63%	4.52711152	1.6576501	29.24	$17.10	$0.86	$0	$0.00	74	129	92%	100%	100%	3,470	$64,500	$101,761
Envelope Measures - Jurisdictions Requiring IECC 2009 or older Code Compliant HERS Index Scores	HERS 0-60 - Gas Only Customers	Energy Efficient Home at Average size 3810 sq. ft and Final HERS 57	87	Reference Home Based upon Local Code with Baseline HERS 77	126	20	$1,000	$0	$1,724	$5.96	58%	7.175545649	3.01394496	40.32	$24.80	$1.24	$0	$0.00	238	414	92%	100%	100%	15,356	$414,000	$713,830
Envelope Measures - Jurisdictions Requiring Better Than IECC 2009 Code HERS Index Scores	HERS 61-65 - Gas Only Customers	Energy Efficient Home at Average size 3189 sq. ft and Final HERS 63	88	Reference Home Based upon Local Code with Baseline HERS 71	101	20	$300	$0	$537	$5.96	56%	6.693676978	2.95378319	13.46	$22.29	$1.11	$0	$0.00	18	32	92%	100%	100%	396	$9,600	$17,182
Envelope Measures - Jurisdictions Requiring Better Than IECC 2009 Code HERS Index Scores	HERS 0-60 - Gas Only Customers	Energy Efficient Home at Average size 4188 sq. ft and Final HERS 56	91	Reference Home Based upon Local Code with Baseline HERS 68	114	20	$600	$0	$1,217	$5.96	49%	8.865826492	4.49629987	23.04	$26.04	$1.30	$0	$0.00	109	190	92%	100%	100%	4,027	$114,000	$231,307
Energy Star Appliances	Energy Star Dishwasher - Combo Customers	Energy Star Dishwasher	1	Conventional Dishwasher	2	11	$6	$0	$17	$5.96	33%	1.821075153	1.52946219	1.27	$4.56	$0.41	$4	$0.00	655	1,141	92%	100%	100%	1,335	$6,613	$19,840
Energy Star Appliances	Energy Star Dishwasher - Gas Only Customers	Energy Star Dishwasher	1	Conventional Dishwasher	2	11	$10	$0	$17	$5.96	58%	1.821075153	0.97478146	1.27	$7.86	$0.71	$4	$0.00	242	421	92%	100%	100%	493	$4,210	$7,320
Energy Star Appliances	Energy Star Clothes Washer - Combo Customers	Energy Star Clothes Washer	2	Conventional Clothes Washer	3	11	$37	$0	$148	$5.96	25%	17.1311676	21.1695394	0.88	$42.06	$3.82	$58	$0.00	95	166	92%	100%	100%	134	$6,144	$24,575
Energy Star Appliances	Energy Star Clothes Washer - Gas Only Customers	Energy Star Clothes Washer	2	Conventional Clothes Washer	3	11	$50	$0	$148	$5.96	34%	17.1311676	18.6928005	0.88	$56.82	$5.17	$58	$0.00	15	27	92%	100%	100%	22	$1,350	$3,997
Envelope Measures - Jurisdictions Requiring IECC 2009 Code or older Compliant HERS Index Scores	HERS 71-75 - Combo Customers	Completed Energy Efficient Homes through April 2014 Based Upon REMRate model by House Rater with Average Size 1915 and Final HERS 71	72	Reference Home Based upon Local Code with Baseline HERS 84	86	20	$88	$0	$481	$5.96	18%	5.587108977	4.56459508	14.44	$6.09	$0.30	$0	$0	3	5	92%	100%	100%	66	$440	$2,404
Envelope Measures - Jurisdictions Requiring IECC 2009 Code or older Compliant HERS Index Scores	HERS 66-70 - Combo Customers	Completed Energy Efficient Homes through April 2014 Based Upon REMRate model by House Rater with Average Size 2276 and Final HERS 68	71	Reference Home Based upon Local Code with Baseline HERS 83	91	20	$362	$0	$788	$5.96	46%	6.600452534	3.57023764	20.02	$18.06	$0.90	$0	$0	42	74	92%	100%	100%	1,363	$26,758	$58,285
Envelope Measures - Jurisdictions Requiring IECC 2009 Code or older Compliant HERS Index Scores	HERS 61-65 - Combo Customers	Completed Energy Efficient Homes through April 2014 Based Upon REMRate model by House Rater with Average Size 3044 and Final HERS 63	79	Reference Home Based upon Local Code with Baseline HERS 79	104	20	$641	$0	$1,357	$5.96	47%	9.00014691	4.75297012	25.30	$25.31	$1.27	$0	$0	124	215	92%	100%	100%	5,005	$137,708	$291,814
Envelope Measures - Jurisdictions Requiring IECC 2009 Code or older Compliant HERS Index Scores	HERS 0-60 - Combo Customers	Completed Energy Efficient Homes through April 2014 Based Upon REMRate model by House Rater with Average Size 3554 and Final HERS 56	84	Reference Home Based upon Local Code with Baseline HERS 76	119	20	$1,080	$0	$2,380	$5.96	45%	11.45123709	6.25592889	34.88	$30.96	$1.55	$0	$0	415	709	92%	100%	100%	22,751	$765,720	$1,687,762
Envelope Measures - Jurisdictions Requiring Better Than IECC 2009 Code HERS Index Scores	HERS 61-65 - Combo Customers	Completed Energy Efficient Homes through April 2014 Based Upon REMRate model by House Rater with Average Size 2791 and Final HERS 63	73	Reference Home Based upon Local Code with Baseline HERS 77	74	20	$98	$0	$66	$5.96	148%	15.85736462	-7.64714785	0.70	$140.09	$7.00	$0	$0	1	1	92%	100%	100%	1	$98	$66
Envelope Measures - Jurisdictions Requiring Better Than IECC 2009 Code HERS Index Scores	HERS 0-60 - Combo Customers	Completed Energy Efficient Homes through April 2014 Based Upon REMRate model by House Rater with Average Size 3851 and Final HERS 56	75	Reference Home Based upon Local Code with Baseline HERS 71	86	20	$501	$0	$1,315	$5.96	38%	19.70250453	12.1940097	11.20	$44.75	$2.24	$0	$0	1	1	92%	100%	100%	10	$501	$1,315

Gas Product Detailed Technical Assumptions																		Program Forecast Inputs		Stipulated Forecast Inputs			Program Forecast Outputs		
Measure Description		High Efficiency Product Assumptions		Baseline Product Assumptions		Economic Assumptions					Stipulated Output						Economic Assumptions		2014		Valid Throughout Filing Period			2014		
Natural Gas Measure Group	Natural Gas Measure Description	High Efficiency Product Description / Rating	High Efficiency Product Consumption (Dth/yr)	Baseline Product Description / Rating	Baseline Product Consumption (Dth/yr)	Life of Product (years)	Average Rebate Amount	Average Baseline Product Cost	Average Incremental Cost of Efficient Product	Assumed Energy Cost ($/Dth)	Rebate as a % of Incremental Cost	Incremt'l Cost Payback Period w/o Rebate	Incremt'l Cost Payback Period with Rebate	Average Annual Customer Dth Savings	Average rebated cost per Dth Saved	Average rebated Lifetime cost per Dth Saved	Non-Energy O&M Savings	Energy O&M Savings	2014 Participants (-)	2014 Units (-)	NTG (%)	Installation Rate (%)	Realization Rate (%)	2014 NET Dth (Dth)	2014 Rebate Budget ($)	2014 Incremental Cost ($)
TOTAL																		3,899	6,795				117,196	$2,905,568	$6,534,778
Envelope Measures - Jurisdictions Requiring Better Than IECC 2009 Code HERS Index Scores	**Energy Star V3 compliant with HERS 0-60/ Energy Star Appliances and all V3 paperwork**	Completed Energy Efficient Homes through April 2014 Meeting Energy Star V3 Requirements Based Upon REMRate model by House Rater with Average Size 4188 and Final HERS 56	91	Reference Home Based upon Local Code: Average home size 4188 sq. ft. and Baseline HERS 68 Provided by House Rater	114	20	$731	$0	$2,774	$5.96	26%	20.20290806	14.8798989	23.04	$31.73	$1.59	$0	$0	0	0	92%	100%	100%	0	$0	$0
Envelope Measures - Jurisdictions Requiring IECC 2009 or older Code Compliant HERS Index Scores	**Energy Star V3 compliant with HERS 0-60/ Energy Star Appliances and all V3 paperwork**	Completed Energy Efficient Homes through April 2014 Meeting Energy Star V3 Requirements Based Upon REMRate model by House Rater with Average Size 1736 and Final HERS 52	44	Reference Home Based upon Local Code with Baseline HERS 72	65	20	$1,171	$0	$3,030	$5.96	39%	24.34258064	14.9343145	20.89	$56.07	$2.80	$0	$0	30	53	92%	100%	100%	1,018	$62,076	$160,613
Envelope Measures - Jurisdictions Requiring IECC 2009 Code or older Compliant HERS Index Scores	**HERS 71-75- Gas Only Customers**	Completed Energy Efficient Homes through April 2014 Based Upon REMRate model by House Rater with Average Size 1915 and Final HERS 71	72	Reference Home Based upon Local Code with Baseline HERS 84	86	20	$100	$0	$481	$5.96	21%	5.587108977	4.42516137	14.44	$6.93	$0.35	$0	$0	0	0	92%	100%	100%	0	$0	$0
Envelope Measures - Jurisdictions Requiring IECC 2009 Code or older Compliant HERS Index Scores	**HERS 66-70 - Gas Only Customers**	Completed Energy Efficient Homes through April 2014 Based Upon REMRate model by House Rater with Average Size 2509 and Final HERS 67	84	Reference Home Based upon Local Code with Baseline HERS 81	105	20	$400	$0	$805	$5.96	50%	6.416881736	3.22718619	21.04	$19.01	$0.95	$0	$0	14	23	92%	100%	100%	445	$9,200	$18,508
Envelope Measures - Jurisdictions Requiring IECC 2009 Code or older Compliant HERS Index Scores	**HERS 61-65 - Gas Only Customers**	Completed Energy Efficient Homes through April 2014 Based Upon REMRate model by House Rater with Average Size 3224 and Final HERS 63	86	Reference Home Based upon Local Code with Baseline HERS 80	111	20	$700	$0	$1,356	$5.96	52%	8.994313131	4.35057387	25.29	$27.68	$1.38	$0	$0	54	95	92%	100%	100%	2,211	$66,500	$128,802
Envelope Measures - Jurisdictions Requiring IECC 2009 Code or older Compliant HERS Index Scores	**HERS 0-60 - Gas Only Customers**	Completed Energy Efficient Homes through April 2014 Based Upon REMRate model by House Rater with Average Size 3810 and Final HERS 57	89	Reference Home Based upon Local Code with Baseline HERS 77	123	20	$1,200	$0	$2,278	$5.96	53%	11.33301189	5.36341061	33.73	$35.58	$1.78	$0	$0	197	359	92%	100%	100%	11,140	$430,800	$817,854
Envelope Measures - Jurisdictions Requiring Better Than IECC 2009 Code HERS Index Scores	**HERS 61-65 - Gas Only Customers**	Completed Energy Efficient Homes through April 2014 Based Upon REMRate model by House Rater with Average Size 3188 and	88	Reference Home Based upon Local Code with Baseline HERS 71	101	20	$300	$0	$982	$5.96	31%	12.24412843	8.50423465	13.46	$22.29	$1.11	$0	$0	0	0	92%	100%	100%	0	$0	$0
Envelope Measures - Jurisdictions Requiring Better Than IECC 2009 Code HERS Index Scores	**HERS 0-60 - Gas Only Customers**	Completed Energy Efficient Homes through April 2014 Based Upon REMRate model by House Rater with Average Size 4188 and Final HERS 56	91	Reference Home Based upon Local Code with Baseline HERS 68	114	20	$600	$0	$1,946	$5.96	31%	14.17173523	9.80220861	23.04	$26.04	$1.30	$0	$0	0	0	92%	100%	100%	0	$0	$0
Energy Star Appliances	**Energy Star Dishwasher - Combo Customers**	Energy Star Dishwasher	1	Conventional Dishwasher	2	11	$8	$0	$25	$5.96	33%	2.888090193	2.18677306	1.27	$6.52	$0.59	$3	$0	426	744	92%	100%	100%	870	$6,165	$18,496
Energy Star Appliances	**Energy Star Dishwasher - Gas Only Customers**	Energy Star Dishwasher	1	Conventional Dishwasher	2	11	$10	$0	$25	$5.96	40%	2.888090193	1.96074776	1.27	$7.86	$0.71	$3	$0	157	272	92%	100%	100%	318	$2,720	$6,762
Energy Star Appliances	**Energy Star Clothes Washer - Combo Customers**	Energy Star Clothes Washer	2	Conventional Clothes Washer	3	11	$45	$0	$182	$5.96	25%	24.57936024	25.9989831	0.88	$51.65	$4.70	$53	$0	62	108	92%	100%	100%	87	$4,909	$19,636
Energy Star Appliances	**Energy Star Clothes Washer - Gas Only Customers**	Energy Star Clothes Washer	2	Conventional Clothes Washer	3	11	$50	$0	$182	$5.96	28%	24.57936024	25.1320588	0.88	$56.82	$5.17	$53	$0	10	18	92%	100%	100%	15	$900	$3,273

EEE Input
PM Input
Stipulated Input
Stipulated Output
Modified from Original Tech Assumptions
Actual Achievement Partial Year