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		2012		2013		Valid Throughout Filing Period			2012		2013	
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 ($/Dth)	Rebate as a % of Incremental Cost	Incremt'l Cost Payback Period w/o Rebate	Incremt'l Cost Payback Period with Rebate	Average Annual Customer Dth Savings	Average rebated cost per Dth Saved	Average rebated Lifetime cost per Dth Saved	Non-Energy O&M Savings	Energy O&M Savings	2012 Participants (-)	2012 Units (-)	2013 Participants (-)	2013 Units (-)	NTG (%)	Installation Rate (%)	Realization Rate (%)	2012 NET Dth (Dth)	2012 Rebate Budget ($)	2013 NET Dth (Dth)	2013 Rebate Budget ($)
TOTAL																		**0**	**0**	**400**	**1,427**				**0**	**$0**	**14,591**	**$249,199**
Attic Insulation ~~**and Bypass Sealing**~~	**Attic Insulation** ~~**and Bypass Sealing**~~	Addition of attic insulation to R-40	79	R-19 average baseline existing level of insulation based on market study	85	20	$94	$0	$469	**$5.45**	20%	14.59	11.7	5.90	$15.89	$0.79	$0.00	$0.00	0	0	102	363	**94%**	**100%**	**100%**	0	$0	2,013	$34,039
Air Sealing / bypass sealing and Weatherstripping	**Air Sealing / bypass sealing and Weatherstripping Tier 2 minimum 25% reduction**	.43 ACH in 2000 sq. ft. home w/ avg 28.4% reduction	19	0.6 ACH in a 2000 sq. ft. home	26	10	$87	$0	$435	**$5.45**	20%	10.80	8.6	7.39	$11.77	$1.18	$0.00	$0.00	0	0	38	137	**94%**	**100%**	**100%**	0	$0	952	$11,915
Air Sealing / bypass sealing and Weatherstripping	**Air Sealing / bypass sealing and Weatherstripping Tier 3 minimum 33% reduction**	.36 ACH in 2000 sq. ft. home w/ avg 39.7% reduction	16	0.6 ACH in a 2000 sq. ft. home	26	10	$109	$0	$545	**$5.45**	20%	9.69	7.8	10.32	$10.56	$1.06	$0.00	$0.00	0	0	19	68	**94%**	**100%**	**100%**	0	$0	660	$7,413
Wall insulation: sub-siding or cavity	**Wall insulation: sub-siding or cavity**	R-11 insulation in wall cavity (assuming retrofit wall is 2x4 construction R-13 is max that could fit, given existing wall with interior discrepancies, R-11 is assumed actual level)	71	For this measure the baseline must have no existing wall cavity insulation	104	20	$694	$0	$1,864	**$5.45**	37%	10.60	6.7	32.30	$21.48	$1.07	$0.00	$0.00	0	0	70	249	**94%**	**100%**	**100%**	0	$0	7,560	$172,739
Setback Thermostat	**Setback Thermostat**	Energy Star Programable thermostat (assume 1 degree set back during heating, and 1 degree increase during cooling)	70	standard programable thermostat - not energy star	71	5	$18	$0	$35	**$5.45**	50%	6.61	3.3	0.98	$18.00	$3.60	$0.00	$0.00	0	0	77	273	**94%**	**100%**	**100%**	0	$0	252	$4,829
New Furnace	**92 AFUE**	Energy Star recommend 92 AFUE	63	78 AFUE is Federal Standard baseline efficiency for gas furnaces	71	18	$170	$770	$450	**$5.45**	38%	10.59	6.6	7.80	$21.79	$1.21	$0.00	$0.00	0	0	2	8	**94%**	**100%**	**100%**	0	$0	59	$1,360
New Furnace	**94 AFUE**	94 AFUE	62	78 AFUE is Federal Standard baseline efficiency for gas furnaces	71	18	$200	$770	$505	**$5.45**	40%	10.54	6.4	8.80	$22.73	$1.26	$0.00	$0.00	0	0	7	24	**94%**	**100%**	**100%**	0	$0	199	$4,800
New Boiler	~~**84**~~ **85% AFUE Boiler**	~~**84**~~ 85% AFUE Boiler	60	80 AFUE is Federal Standard for gas boilers	64	20	$160	$2,520	$440	**$5.45**	36%	21.59	13.7	3.74	$42.77	$2.14	$0.00	$0.00	0	0	1	4	**94%**	**100%**	**100%**	0	$0	14	$640
New Water Heater	**Tankless 0.82 EF**	0.82 EF Tankless Hot Water Heater Energy Star Standard	65	for 40 gallon tank .59 EF is IECC code	71	20	$200	$549	$298	**$5.45**	67%	9.27	3.0	5.90	$33.90	$1.69	$0.00	$0.00	0	0	3	12	**94%**	**100%**	**100%**	0	$0	67	$2,400
New Water Heater	**Power vented** ~~**0.65**~~ **0.67 EF**	~~**0.65 EF**~~ 0.67 EF Hot Water Heater Energy Star Standard in 2010	18	for 40 gallon tank .59 EF is IECC code	20	15	$100	$424	$361	**$5.45**	28%	27.55	19.9	2.41	$41.57	$2.77	$0.00	$0.00	0	0	1	4	**94%**	**100%**	**100%**	0	$0	9	$400
New Appliances	**0.65 EF Dishwasher**	0.65 Energy Factor - Energy Star Recommended	6	0.46 Energy Factor - Federal Minimum Standard	19	11	$10	$0	$20	**$5.45**	50%	0.29	0.1	12.72	$0.78	$0.07	$1.09	$0.00	0	0	34	122	**94%**	**100%**	**100%**	0	$0	1,458	$1,216
New Appliances	**Energy Star Clothes Washer**	Energy Star Clothes washer	21	standard clothes washer	30	11	$46	$0	$131	**$5.45**	35%	2.72	1.8	8.80	$5.19	$0.47	$17.40	$0.00	0	0	46	163	**94%**	**100%**	**100%**	0	$0	1,348	$7,447

EEE Input
PM Input
Stipulated Input
Stipulated Output