Notes

Date / Name Entry	Enter Date/Name	Enter Date/Name
Notes on Assumptions	Enter Notes	Enter Notes

Cell Comments: Cells with comments are marked with a red triangle in the upper right corner. Comments are for informational purposes only. Comments are not protected unless "Worksheet" or "Workbook" is protected.

Protection: Cells are locked and protected unless "Worksheet" or "Workbook" is protected.

1. Power Lost: Lost Generation Hours (Hours) and Lost Generation Energy (MWh) Values are based on Electric Reliability Council of Texas (ERCOT) Data and assumed at the National Average Capacity Factor.

12/31/09 - Big updated JE assumption for 2009 ERRC and 2010 assumptions

	2010	2011	2012	2013	2014
Nominal Discount Rate	0.0600	0.0600	0.0600	0.0600	0.0600
Inflation	0.0300	0.0300	0.0300	0.0300	0.0300
Real Discount Rate	0.0291	0.0291	0.0291	0.0291	0.0291
Capacity Factor	0.0000	0.0000	0.0000	0.0000	0.0000
Baseline	0.0000	0.0000	0.0000	0.0000	0.0000
Reserve Margin Multiplier (>1)	1.0000	1.0000	1.0000	1.0000	1.0000
Transmission Factor (>1)	1.0000	1.0000	1.0000	1.0000	1.0000
Distribution (Cost/ mW)	0.0000	0.0000	0.0000	0.0000	0.0000
Gas Intake & Server	0.0000	0.0000	0.0000	0.0000	0.0000
Fixed O&M	0.0000	0.0000	0.0000	0.0000	0.0000
CO Bonus	0.0000	0.0000	0.0000	0.0000	0.0000
Energy Price Escalator	0.0000	0.0000	0.0000	0.0000	0.0000
Energy GWPP	0.0000	0.0000	0.0000	0.0000	0.0000
Environmental Externalities	0.0000	0.0000	0.0000	0.0000	0.0000

	Winter	Winter	Summer	Summer
LNG LOSS FACTORS	Day	Night	Day	Night
Pipeline	0.0000	0.0000	0.0000	0.0000
Distribution	0.0000	0.0000	0.0000	0.0000
Wellhead	0.0000	0.0000	0.0000	0.0000

	Winter	Winter	Summer	Summer
	Day	Night	Day	Night
Pipeline	0.0000	0.0000	0.0000	0.0000
Distribution	0.0000	0.0000	0.0000	0.0000
Wellhead	0.0000	0.0000	0.0000	0.0000

2009 - Retail ladder included in avoided costs (LNG)

Year 1 Avoided Cost Data - In Nominal Dollars

	Winter Peak Energy	Winter Off-Peak Energy	Summer Peak Energy	Summer Off-Peak Energy	Winter Generation	Winter Generation	Transmission	Distribution	Gas Oil - Baseload Distillate	Fuel Oil - Core Oil	Fuel Oil - Core Oil	Fuel Oil - Non Oil	NG - Flat Rate Heavy	NG - Flat Rate Light	NG - Gas Core DFW Rdg.	NG - Gas Core Non Rdg.	NG - Cat Core DFW	NG - Cat Core Non	Propane (LL)	Kerosene (LL)		Cat Water (Low Lake)	Cat Water (High Lake)	Cat Water (Low Lake)	Cat Water (High Lake)			Winter Peak Energy	Winter Off-Peak	Summer Peak	Summer Off-Peak	Winter Peak Energy	Winter Off-Peak	Summer Peak Energy	Summer Off-Peak	Wind
1 2010	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2 2011	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
3 2012	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
4 2013	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
5 2014	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
6 2015	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
7 2016	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
8 2017	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
9 2018	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
10 2019	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
11 2020	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
12 2021	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
13 2022	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
14 2023	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
15 2024	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
16 2025	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
17 2026	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
18 2027	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
19 2028	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
20 2029	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
21 2030	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
22 2031	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
23 2032	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
24 2033	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
25 2034	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000

Wholesale Power Price, Constant Dollars

Year	Base Assumption Winter Peak Energy	Base Assumption Winter Off-Peak Energy	Base Assumption Summer Peak Energy	Base Assumption Summer Off-Peak Energy	100MW Inc Installations in 2015 Winter Peak Energy	100MW Inc Installations in 2015 Winter Off-Peak Energy	100MW Inc Installations in 2015 Summer Peak Energy	100MW Inc Installations in 2015 Summer Off-Peak Energy	Additional 100MW Base Case Installations Winter Peak Energy	Additional 100MW Base Case Installations Winter Off-Peak Energy	Additional 100MW Base Case Installations Summer Peak Energy	Additional 100MW Base Case Installations Summer Off-Peak Energy
	$/mWh	$/mWh	$/mWh	$/mWh	$/mWh	$/mWh	$/mWh	$/mWh	$/mWh	$/mWh	$/mWh	$/mWh
2010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2015	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2016	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2017	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2019	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2021	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2022	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2023	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2024	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2025	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2026	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2027	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2028	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2029	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2032	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2033	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2034	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Social Cost of Gas Delivered to Retail Customers in Northern and Central New England by Delivering Gas Delivered on Tennessee Gas Pipeline

Year	RESIDENTIAL Heating	RESIDENTIAL Non-Heating	RESIDENTIAL All	COMMERCIAL & INDUSTRIAL Heating	COMMERCIAL & INDUSTRIAL Non-Heating	COMMERCIAL & INDUSTRIAL All	Firm NEYCA
	$/mcf	$/mcf	$/mcf	$/mcf	$/mcf	$/mcf	$/mcf
2010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2024	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2027	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2029	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2030	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2031	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2032	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2033	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2034	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Year Dividend Avoided

Forecast of Fuel Prices by Sector

Year	Coal Non Anthrac. Retail	Coal Non Anthrac. Wholesale	Coal Anthrac. Retail	Coal Anthrac. Wholesale	Propane Retail	Kerosene Retail	Distillate Retail	Residual Retail	Wood Retail
	$/mmBtu	$/mmBtu	$/mmBtu	$/mmBtu	$/mmBtu	$/mmBtu	$/mmBtu	$/mmBtu	$/mmBtu
2010	18.64	14.72	18.64	14.72	24.90	24.90	24.90	17.41	9.83
2011	19.12	15.10	19.12	15.10	25.54	25.54	25.54	17.86	10.08
2012	19.60	15.48	19.60	15.48	26.18	26.18	26.18	18.31	10.34
2013	20.10	15.88	20.10	15.88	26.84	26.84	26.84	18.77	10.60
2014	20.61	16.28	20.61	16.28	27.51	27.51	27.51	19.24	10.87
2015	21.13	16.69	21.13	16.69	28.20	28.20	28.20	19.72	11.14
2016	21.66	17.11	21.66	17.11	28.91	28.91	28.91	20.22	11.42
2017	22.21	17.54	22.21	17.54	29.63	29.63	29.63	20.72	11.71
2018	22.76	17.98	22.76	17.98	30.37	30.37	30.37	21.24	12.00
2019	23.33	18.43	23.33	18.43	31.13	31.13	31.13	21.77	12.30
2020	23.91	18.89	23.91	18.89	31.91	31.91	31.91	22.32	12.61
2021	24.51	19.36	24.51	19.36	32.70	32.70	32.70	22.87	12.92
2022	25.12	19.84	25.12	19.84	33.52	33.52	33.52	23.44	13.24
2023	25.75	20.34	25.75	20.34	34.36	34.36	34.36	24.03	13.57
2024	26.39	20.85	26.39	20.85	35.22	35.22	35.22	24.63	13.91
2025	27.05	21.37	27.05	21.37	36.10	36.10	36.10	25.25	14.26
2026	27.72	21.90	27.72	21.90	36.99	36.99	36.99	25.88	14.62
2027	28.41	22.45	28.41	22.45	37.91	37.91	37.91	26.53	14.98
2028	29.12	23.01	29.12	23.01	38.85	38.85	38.85	27.19	15.36
2029	29.85	23.58	29.85	23.58	39.82	39.82	39.82	27.87	15.75
2030	30.59	24.17	30.59	24.17	40.81	40.81	40.81	28.57	16.15
2031	31.35	24.77	31.35	24.77	41.83	41.83	41.83	29.28	16.56
2032	32.13	25.39	32.13	25.39	42.87	42.87	42.87	30.01	16.98
2033	32.93	26.02	32.93	26.02	43.94	43.94	43.94	30.76	17.41
2034	33.75	26.67	33.75	26.67	45.03	45.03	45.03	31.52	17.85
2035	34.60	27.33	34.60	27.33	46.15	46.15	46.15	32.31	18.30
2036	35.46	28.01	35.46	28.01	47.29	47.29	47.29	33.11	18.75

Input Cover 3/3 1/1

	Winter Peak Energy $/kWh	Winter Off-Peak Energy $/kWh	Summer Peak Energy $/kWh	Summer Off-Peak Energy $/kWh	Wind $/kWh	Reserve MW/REC	Excess Capacity %	Lines $/MW
2010	0.0000	0.0000	0.0000	0.0000	0.0000	52.71	16.47%	0.00000
2011	0.0000	0.0000	0.0000	0.0000	0.0000	54.29	16.47%	0.00000
2012	0.0000	0.0000	0.0000	0.0000	0.0000	55.92	16.47%	0.00000
2013	0.0000	0.0000	0.0000	0.0000	0.0000	57.60	16.47%	0.00000
2014	0.0000	0.0000	0.0000	0.0000	0.0000	59.33	16.47%	0.00000
2015	0.0000	0.0000	0.0000	0.0000	0.0000	61.11	16.47%	0.00000
2016	0.0000	0.0000	0.0000	0.0000	0.0000	62.94	16.47%	0.00000
2017	0.0000	0.0000	0.0000	0.0000	0.0000	64.83	16.47%	0.00000
2018	0.0000	0.0000	0.0000	0.0000	0.0000	66.77	16.47%	0.00000
2019	0.0000	0.0000	0.0000	0.0000	0.0000	68.77	16.47%	0.00000
2020	0.0000	0.0000	0.0000	0.0000	0.0000	70.83	16.47%	0.00000
2021	0.0000	0.0000	0.0000	0.0000	0.0000	72.95	16.47%	0.00000
2022	0.0000	0.0000	0.0000	0.0000	0.0000	75.14	16.47%	0.00000
2023	0.0000	0.0000	0.0000	0.0000	0.0000	77.39	16.47%	0.00000
2024	0.0000	0.0000	0.0000	0.0000	0.0000	79.71	16.47%	0.00000
2025	0.0000	0.0000	0.0000	0.0000	0.0000	82.12	16.47%	0.00000
2026	0.0000	0.0000	0.0000	0.0000	0.0000	84.62	16.47%	0.00000
2027	0.0000	0.0000	0.0000	0.0000	0.0000	87.19	16.47%	0.00000
2028	0.0000	0.0000	0.0000	0.0000	0.0000	89.85	16.47%	0.00000
2029	0.0000	0.0000	0.0000	0.0000	0.0000	92.59	16.47%	0.00000
2030	0.0000	0.0000	0.0000	0.0000	0.0000	95.42	16.47%	0.00000
2031	0.0000	0.0000	0.0000	0.0000	0.0000	98.34	16.47%	0.00000
2032	0.0000	0.0000	0.0000	0.0000	0.0000	101.35	16.47%	0.00000
2033	0.0000	0.0000	0.0000	0.0000	0.0000

Company: Unitil Energy Systems, Inc.

Program Start Y: 2010

Measure #	Sector	BCR Activity	Program	Measure	End Use	Quantity Participation Year 1	Measure Life (years)	Total Resource Cost	Incentive	Customer Cost	Free-Ridership Rate	Spillover Partic Rate	Spillover Non-Partic Rate	In-Service Rate	kWh Persist	(Other Impacts) kWh Realiz Rate	(Other Impacts) kWh Realization On-peak	kW W Persist	(Other Impacts) kW Winter Realiz Rate	kW S Persist	(Other Impacts) kW Summer	NEB Persist	NEB Realiz	Gross Annual kWh Saved	Winter Peak Energy %	Winter Off-Peak Energy %	Summer Peak Energy %	Summer Off-Peak Energy %	Max Load Reduction (kW)	Summer Coincident (%)	Winter Coincident (%)	Trans. Coincident (%)	Dist. Coincident (%)	Natural Gas (Savings Type)	Natural Gas Savings (MMBtu/Year)	Fuel Oil (Savings Type)	Fuel Oil Savings (MMBtu/Year)	Annual Fuel (Type)	Propane Savings (MMBtu/Year)	Kerosene Savings (MMBtu/Year)	Wood Savings (MMBtu/Year)	Gas Water Savings Gallons	C&I Water Savings Gallons	C&I Sewer Savings Gallons	Annual Non-Resource (base yr $/yr)	1X Non-Resource (base yr $/yr)	Energy Value (per unit)	Capacity Value (per unit)	Electric Benefit (per unit)	NEB Value (per unit)	Total Value (per unit)
											Impact Factors														Energy Savings					Capacity Savings				Non-Electric Benefits															Calculated Benefit (per unit)				
											a	b	b	a	b	a	b	a	b	a	b																																
1	A - Residential	A02a Residen	A02a ENERGY STAR Homes							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
2	A - Residential	A02a Residen	A02a ENERGY STAR Homes							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
3	A - Residential	A02a Residen	A02a ENERGY STAR Homes							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
4	A - Residential	A02a Residen	A02a ENERGY STAR Homes							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
5	A - Residential	A02a Residen	A02a ENERGY STAR Homes							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
6	A - Residential	A02a Residen	A02a ENERGY STAR Homes							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
7	A - Residential	A02a Residen	A02a ENERGY STAR Homes							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
8	A - Residential	A02a Residen	A02a ENERGY STAR Homes							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
9	A - Residential	A02a Residen	A02a ENERGY STAR Homes							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
10	A - Residential	A02a Residen	A02a ENERG							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
11	A - Residential	A02a Residen	A02a ENERG							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
12	A - Residential	A02a Residen	A02a ENERG							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
13	A - Residential	A02a Residen	A02a ENERG							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
14	A - Residential	A02a Residen	A02a ENERG							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
15	A - Residential	A02a Residen	A02a ENERG							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
16	A - Residential	A03a Residen	A03a Home Energy Solutions							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
17	A - Residential	A03a Residen	A03a Home Energy Solutions							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
18	A - Residential	A03a Residen	A03a Home Energy Solutions							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
19	A - Residential	A03a Residen	A03a Home Energy Solutions							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
20	A - Residential	A03a Residen	A03a Home Energy Solutions							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
21	A - Residential	A03a Residen	A03a Home Energy Solutions							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
22	A - Residential	A03a Residen	A03a Home Energy Solutions							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
23	A - Residential	A03a Residen	A03a Home Energy Solutions							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
24	A - Residential	A03a Residen	A03a Home Energy Solutions							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
25	A - Residential	A03a Residen	A03a Home Energy Solutions							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
26	A - Residential	A03a Residen	A03a Home Energy Solutions							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
27	A - Residential	A03a Residen	A03a Home Energy Solutions							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
28	A - Residential	A03a Residen	A03a Home Energy Solutions							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
29	A - Residential	A03a Residen	A03a Home Energy Solutions							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
30	A - Residential	A03a Residen	A03a Home Energy Solutions							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
31	A - Residential	A03a Residen	A03a Home Energy Solutions							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
32	A - Residential	A03a Residen	A03a Home Energy Solutions							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
33	A - Residential	A03a Residen	A03a Home Energy Solutions							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
34	A - Residential	A04a Residen	A04a ENERGY STAR Lighting							$ -	0.00%	0.00%	80.30%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
35	A - Residential	A04a Residen	A04a ENERGY STAR Lighting							$ -	0.00%	0.00%	80.30%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
36	A - Residential	A04a Residen	A04a ENERGY STAR Lighting							$ -	0.00%	0.00%	96.40%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
37	A - Residential	A04a Residen	A04a ENERGY STAR Lighting							$ -	0.00%	0.00%	93.50%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
38	A - Residential	A04a Residen	A04a ENERGY STAR Lighting							$ -	0.00%	0.00%	93.50%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
39	A - Residential	A04a Residen	A04a ENERGY STAR Lighting							$ -	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0%	0%	0%	0%																			$0.00		$0.00
40	A - Residential	A04a Residen	A04a ENERGY STAR Lighting							$ -	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
41	A - Residential	A04a Residen	A04a ENERGY STAR Lighting							$ -	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
42	A - Residential	A04a Residen	A04a ENERGY STAR Lighting							$ -	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
43	A - Residential	A04b Residen	A04b ENERGY STAR Appl							$ -	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
44	A - Residential	A04b Residen	A04b ENERGY STAR Appl							$ -	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
45	A - Residential	A04b Residen	A04b ENERGY STAR Appl							$ -	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
46	A - Residential	A04b Residen	A04b ENERGY STAR Appl							$ -	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
47	A - Residential	A04b Residen	A04b ENERGY STAR Appl							$ -	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
48	A - Residential	A04b Residen	A04b ENERGY STAR Appl							$ -	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
49	A - Residential	A04b Residen	A04b ENERGY STAR Appl							$ -	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
50	A - Residential	A04b Residen	A04b ENERGY STAR Appl							$ -	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
51	A - Residential	A04b Residen	A04b ENERGY STAR Appl							$ -	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
52	B - Low Income	B02a Low Inc	B02a Low Income Lost Opportunity							$ -	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
53	B - Low Income	B02a Low Inc	B02a Low Income Lost Opportunity							$ -	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
54	B - Low Income	B02a Low Inc	B02a Low Income Lost Opportunity							$ -	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
55	B - Low Income	B02a Low Inc	B02a Low Income Lost Opportunity							$ -	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
56	B - Low Income	B02a Low Inc	B02a Low Income Lost Opportunity							$ -	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
57	B - Low Income	B02a Low Inc	B02a Low Income Lost Opportunity							$ -	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
58	B - Low Income	B02a Low Inc	B02a Low Income Lost Opportunity							$ -	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
59	B - Low Income	B02a Low Inc	B02a Low Income Lost Opportunity							$ -	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
60	B - Low Income	B02a Low Inc	B02a Low Income Lost Opportunity							$ -	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
61	B - Low Income	B03a Low Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		100.0%	75.0%	87.5%	87.5%																			$0.00		$0.00
62	B - Low Income	B03a Low Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
63	B - Low Income	B03a Low Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
64	B - Low Income	B03a Low Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
65	B - Low Income	B03a Low Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
66	B - Low Income	B03a Low Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
67	B - Low Income	B03a Low Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
68	B - Low Income	B03a Low Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
69	B - Low Income	B03a Low Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
70	B - Low Income	B03a Low Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
71	B - Low Income	B03a Low Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
72	B - Low Income	B03a Low Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
73	B - Low Income	B03a Low Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
74	B - Low Income	B03a Low Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
75	C - Commercial	C02a C&I Lo	C02a C&I New Construction							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		23%	36%	19%	22%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
76	C - Commercial	C02a C&I Lo	C02a C&I New Construction							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
77	C - Commercial	C02a C&I Lo	C02a C&I New Construction							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																			$0.00		$0.00
78	C - Commercial	C02a C&I Lo	C02a C&I New Construction							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100

| | | |

NO	SECTOR	BCR_ACTIVITY	PROGRAM	YEAR	INTERNAL ADMIN	EXTERNAL ADMIN	REBATES	INTERNAL IMPLEMENT	MKTING	EVAL	PERF INCENT	TOTAL	CUSTOMER COST
NO	SECTOR	BCR_ACTIVITY	PROGRAM	YEAR	INADM	ADMEX	REBTS	INIMP	NHMKT	EVAL	SHI	TOTAL	CUSTCOST
1	A - Residential	A02a Residential Lost Opportunity	A02a ENERGY STAR Homes	2009								$0	GY STAR Homes
2	A - Residential	A03a Residential Retrofit 1-4	A03a Home Energy Solutions	2009								$0	Energy Solutions
3	A - Residential	A04c Res EE Website	A05a EE Website	2009								$0	A05a EE Website
4	A - Residential	A04a Residential Lighting	A04a ENERGY STAR Lighting	2009								$0	Y STAR Lighting
5	A - Residential	A04c Res EE Website	A05a EE Website	2009								$0	A05a EE Website
6	A - Residential	A04b Residential Appliances	A04b ENERGY STAR Appl	2009								$0	RGY STAR Appl
7	A - Residential	A04c Res EE Website	A05a EE Website	2009								$0	A05a EE Website
8	A - Residential	A05b Res / K-12 Education	A05b Res / K-12 Education	2009								$0	/ K-12 Education
9	A - Residential	A06a ISO-Related Expenses Res Non-LI	A06a ISO-Related Expenses Re	2009								$0	nses Res Non-LI
10	A - Residential	A07x Perf. Incentive Tax Liability	A07x Perf. Incentive Tax Liability	2009								$0	ntive Tax Liability
11	B - Low Income	B02a -	B02a -	2009								$0	B02a -
12	B - Low Income	B03a Low-Income Retrofit 1-4	B03a Home Energy Assistance	2009								$0	nergy Assistance
13	B - Low Income	B06a ISO-Related Expenses Res LI	B06a ISO-Related Expenses Re	2009								$0	Expenses Res LI
14	B - Low Income	B07x Perf. Incentive Tax Liability	B07x Perf. Incentive Tax Liability	2009								$0	ntive Tax Liability
15	C - Commercial & Industrial	C02a C&I Lost Opportunity	C02a C&I New Construction	2009								$0	lew Construction
16	C - Commercial & Industrial	C04c C&I EE Website	C05d C&I EE Website	2009								$0	C&I EE Website
17	C - Commercial & Industrial	C03a Large C&I Retrofit	C03a Large C&I Retrofit	2009								$0	arge C&I Retrofit
18	C - Commercial & Industrial	C04c C&I EE Website	C05d C&I EE Website	2009								$0	C&I EE Website
19	C - Commercial & Industrial	C03b Small C&I Retrofit	C03b Small C&I Retrofit	2009			$200,000					$200,000	mall C&I Retrofit
20	C - Commercial & Industrial	C04c C&I EE Website	C05d C&I EE Website	2009								$0	C&I EE Website
21	C - Commercial & Industrial	C05b Cust/Contr Education	C05b Cust/Contr Education	2009								$0	/Contr Education
22	C - Commercial & Industrial	C06a ISO-Related Expenses C&I	C06a ISO-Related Expenses C&	2009								$0	ed Expenses C&I
23	C - Commercial & Industrial	C07x Perf. Incentive Tax Liability	C07x Perf. Incentive Tax Liability	2009								$0	ntive Tax Liability
												$0	$0
												$0	$0
												$0	$0

			$0	$0
			$0	$0
			$0	$0

			$0	$0
			$0	$0
			$0	$0
			$0	$0

Summary of Benefits (2010 $s)
Total Resource Cost Test

BCR Activity	TRC Benefit/ Cost	TRC Net Benefit ($000)	NPV Total Benefits ($000)	NPV Total Costs ($000)	NPV PA Costs ($000)
Residential					
A02a Residential Lost Opportunity	0.0	$0.0	$0.0	$0.0	$0.0
A03a Residential Retrofit 1-4	0.0	$0.0	$0.0	$0.0	$0.0
A04a Residential Lighting	0.0	$0.0	$0.0	$0.0	$0.0
A04b Residential Appliances	0.0	$0.0	$0.0	$0.0	$0.0
A04c Res EE Website	0.0	$0.0	$0.0	$0.0	$0.0
A05b Res / K-12 Education	0.0	$0.0	$0.0	$0.0	$0.0
A06a ISO-Related Expenses Res Nc	0.0	$0.0	$0.0	$0.0	$0.0
A07x Perf. Incentive Tax Liability	0.0	$0.0	$0.0	$0.0	$0.0
Subtotal: Residential	**0.0**	**$0.0**	**$0.0**	**$0.0**	**$0.0**
Low Income					
B02a -	0.0	$0.0	$0.0	$0.0	$0.0
B03a Low-Income Retrofit 1-4	0.0	$0.0	$0.0	$0.0	$0.0
B06a ISO-Related Expenses Res LI	0.0	$0.0	$0.0	$0.0	$0.0
B07x Perf. Incentive Tax Liability	0.0	$0.0	$0.0	$0.0	$0.0
Subtotal: Low Income	**0.0**	**$0.0**	**$0.0**	**$0.0**	**$0.0**
Com/Ind					
C02a C&I Lost Opportunity	0.0	$0.0	$0.0	$0.0	$0.0
C03a Large C&I Retrofit	0.0	$0.0	$0.0	$0.0	$0.0
C03b Small C&I Retrofit	2.8	$354.4	$554.4	$200.0	$200.0
C04c C&I EE Website	0.0	$0.0	$0.0	$0.0	$0.0
C05b Cust/Contr Education	0.0	$0.0	$0.0	$0.0	$0.0
C06a ISO-Related Expenses C&I	0.0	$0.0	$0.0	$0.0	$0.0
C07x Perf. Incentive Tax Liability	0.0	$0.0	$0.0	$0.0	$0.0
Subtotal: C&I	**2.8**	**$354.4**	**$554.4**	**$200.0**	**$200.0**
Grand Total	**2.8**	**$354.4**	**$554.4**	**$200.0**	**$200.0**

	Total Benefits												Load Reduction			MWh Saved		Value	
		Capacity					Energy				Non Electric							Energy	Non Elect
	Total	Generation					Winter		Summer			Non-							CO2
BCR Activity	Benefits	Summer	Winter	Trans	MDC	DRIPE	Peak	Off Peak	Peak	Off Peak	Resource	Resource	Summer	Winter	Lifetime	Annual	Lifetime	DRIPE	Reductions
A - Residential	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0	0	0	0	0.000	$0	$0
A02a Residential Lost Opportunity	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0	0	0	0	0.000	$0	$0
A03a Residential Retrofit 1-4	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0	0	0	0	0.000	$0	$0
A04a Residential Lighting	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0	0	0	0	0.000	$0	$0
A04b Residential Appliances	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0	0	0	0	0.000	$0	$0
B - Low Income	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0	0	0	0	0.000	$0	$0
B02a Low Income Lost Opportunity	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0	0	0	0	0.000	$0	$0
B03a Low-Income Retrofit 1-4	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0	0	0	0	0.000	$0	$0
C - Commercial & Industrial	$554,417	$38,437	$0	$20,785	$63,839	$17,795	$219,966	$136,628	$46,783	$10,185	$0	$0	105	143	1,365	449	5,836.714	$145,017	$177,348
C02a C&I Lost Opportunity	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0	0	0	0	0.000	$0	$0
C03a Large C&I Retrofit	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0	0	0	0	0.000	$0	$0
C03b Small C&I Retrofit	$554,417	$38,437	$0	$20,785	$63,839	$17,795	$219,966	$136,628	$46,783	$10,185	$0	$0	105	143	1,365	449	5,836.714	$145,017	$177,348
Grand Total	**$554,417**	**$38,437**	**$0**	**$20,785**	**$63,839**	**$17,795**	**$219,966**	**$136,628**	**$46,783**	**$10,185**	**$0**	**$0**	**105**	**143**	**1,365**	**449**	**5,837**	**$145,017**	**$177,348**

Time | Total

Sector	BCR Activity	Program	Measure	Measure Life	Quantity	Electric Energy (MWh) Winter Peak Energy	Winter Off-Peak Energy	Summer Peak Energy	Summer Off-Peak Energy	Total Energy	Capacity (MW) Summer Generation	DR/PC	Winter Generation	Transmission	Distribution	Total Capacity	Total Electric Benefit	Non-Electric Benefits (NMEs total) Fuel Oil - Residential Distillate	Fuel Oil - Com #2 Oil	Fuel Oil - Com #4 Oil	Fuel Oil - Ind #5 Oil	Fuel Oil - Ind Kerosene	NG - Res Hot Water	NG - Res Gas Old Bldg	NG - Res Gas New Bldg	NG - C&I Gas DHW	NG - C&I Gas Heat	NG - C&I Gas All	Propane	Kerosene	Wood	Res Water	C&I Water	C&I Sewer	Total Resource	Non-Resource	TOTAL NEB	Total Avoided Cost (TRBenefit)	Annual Net MWh Savings	Lifetime MWh Savings	Max Net kW	Summer Manual kw	Summer Lifetime kW	Annual Oil (MMBTU Savings	Annual Gas (MMBTU Savings	Annual Propane (MMBTU Savings	Annual Kerosene (MMBTU Savings	Annual Wood (MMBTU Savings	Annual Water (Savings Gallons	Incentive	Incremental Cost
1	-	Residential	ACEs Residential	ENERGY STAR Hom		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
2	-	Residential	ACEs Residential	ENERGY STAR Hom		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
3	A -	Residential	ACEs Residential	ENERGY STAR Hom		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
4	A -	Residential	ACEs Residential	ENERGY STAR Hom		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
5	A -	Residential	ACEs Residential	ENERGY STAR Hom		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
6	A -	Residential	ACEs Residential	ENERGY STAR Hom		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
7	A -	Residential	ACEs Residential	ENERGY STAR Hom		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
8	A -	Residential	ACEs Residential	ENERGY STAR Hom		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
9	A -	Residential	ACEs Residential	ENERGY STAR Hom		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
10	A -	Residential	ACEs Residential	ENERGY STAR Hom		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
11	A -	Residential	ACEs Residential	ENERGY STAR Hom		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
12	A -	Residential	ACEs Residential	ENERGY STAR Hom		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
13	A -	Residential	ACEs Residential	ENERGY STAR Hom		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
14	A -	Residential	ACEs Residential	ENERGY STAR Hom		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
15	A -	Residential	ACEs Residential	ENERGY STAR Hom		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
16	A -	Residential	ACEs Residential	Home Energy Solut		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
17	A -	Residential	ACEs Residential	Home Energy Solut		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
18	A -	Residential	ACEs Residential	Home Energy Solut		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
19	A -	Residential	ACEs Residential	Home Energy Solut		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
20	A -	Residential	ACEs Residential	Home Energy Solut		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
21	A -	Residential	ACEs Residential	Home Energy Solut		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
22	A -	Residential	ACEs Residential	Home Energy Solut		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
23	A -	Residential	ACEs Residential	Home Energy Solut		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
24	A -	Residential	ACEs Residential	Home Energy Solut		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
25	A -	Residential	ACEs Residential	Home Energy Solut		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
26	A -	Residential	ACEs Residential	Home Energy Solut		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
27	A -	Residential	ACEs Residential	Home Energy Solut		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
28	A -	Residential	ACEs Residential	Home Energy Solut		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
29	A -	Residential	ACEs Residential	Home Energy Solut		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
30	A -	Residential	ACEs Residential	Home Energy Solut		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
31	A -	Residential	ACEs Residential	Home Energy Solut		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
32	A -	Residential	ACEs Residential	Home Energy Solut		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
33	A -	Residential	ACEs Residential	Home Energy Solut		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
34	A -	Residential	ACEs Residential	ENERGY STAR Lig		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
35	A -	Residential	ACEs Residential	ENERGY STAR Lig		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
36	A -	Residential	ACEs Residential	ENERGY STAR Lig		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
37	A -	Residential	ACEs Residential	ENERGY STAR Lig		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
38	A -	Residential	ACEs Residential	ENERGY STAR Lig		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
39	A -	Residential	ACEs Residential	ENERGY STAR Lig		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
40	A -	Residential	ACEs Residential	ENERGY STAR Lig		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
41	A -	Residential	ACEs Residential	ENERGY STAR Lig		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
42	A -	Residential	ACEs Residential	ENERGY STAR Lig		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
43	A -	Residential	ACEs Residential	ENERGY STAR Ap		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
44	A -	Residential	ACEs Residential	ENERGY STAR Ap		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
45	A -	Residential	ACEs Residential	ENERGY STAR Ap		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
46	A -	Residential	ACEs Residential	ENERGY STAR Ap		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
47	A -	Residential	ACEs Residential	ENERGY STAR Ap		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
48	A -	Residential	ACEs Residential	ENERGY STAR Ap		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
49	A -	Residential	ACEs Residential	ENERGY STAR Ap		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
50	A -	Residential	ACEs Residential	ENERGY STAR Ap		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
51	A -	Residential	ACEs Residential	ENERGY STAR Ap		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
52	-	Low Income	ACEs Low Income	Low Income Lost		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
53	-	Low Income	ACEs Low Income	Low Income Lost		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
54	-	Low Income	ACEs Low Income	Low Income Lost		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
55	-	Low Income	ACEs Low Income	Low Income Lost		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
56	-	Low Income	ACEs Low Income	Low Income Lost		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
57	-	Low Income	ACEs Low Income	Low Income Lost		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
58	-	Low Income	ACEs Low Income	Low Income Lost		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
59	-	Low Income	ACEs Low Income	Low Income Lost		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
60	-	Low Income	ACEs Low Income	Low Income Lost		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
61	-	Low Income	ACEs Low Income	Home Energy Assis		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
62	-	Low Income	ACEs Low Income	Home Energy Assis		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
63	-	Low Income	ACEs Low Income	Home Energy Assis		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
64	-	Low Income	ACEs Low Income	Home Energy Assis		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
65	-	Low Income	ACEs Low Income	Home Energy Assis		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
66	-	Low Income	ACEs Low Income	Home Energy Assis		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
67	-	Low Income	ACEs Low Income	Home Energy Assis		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
68	-	Low Income	ACEs Low Income	Home Energy Assis		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
69	-	Low Income	ACEs Low Income	Home Energy Assis		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
70	-	Low Income	ACEs Low Income	Home Energy Assis		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
71	-	Low Income	ACEs Low Income	Home Energy Assis		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
72	-	Low Income	ACEs Low Income	Home Energy Assis		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
73	-	Low Income	ACEs Low Income	Home Energy Assis		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
74	-	Low Income	ACEs Low Income	Home Energy Assis		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
75	C -	Commercial	ACEs C&I	C&I New Construct		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
76	C -	Commercial	ACEs C&I	C&I New Construct		0	$0	$0	$0	$0		$0	$0	$0	$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$

Year:

Sector	BCR Activity	Program	Measure	End Use	Measure Life	Quantity	Winter Peak Energy	Winter Off-Peak Energy	Summer Peak Energy	Summer Off-Peak Energy	Total Energy	Summer Generation	CRRR	Winter Generation	Transmission	Distribution	Total Capacity	Total Electric Benefits	Fuel Oil - Residential Heat/Cook	Fuel Oil - Com Oil Ht	Fuel Oil - Com Oil Ck	Fuel Oil - Ind Ht Oil	Fuel Oil - Ind Cook Oil	NG - Res Heat Water	NG - Res Gas Old Bldg	NG - Res Gas New Bldg	NG - C&I Gas DHW	NG - C&I Gas Heat	NG - C&I Gas AD	NG - C&I Gas Process	Kerosene	Wood	Res Water	C&I Water	C&I Steam	Total Resource	Non Resource	TOTAL NER	Total Avoided Cost (Off-Benefit)	Annual Net MWh Savings	Lifetime MWh Savings	Winter MW	Summer MW	Annual Gas gasq/yr savings	Annual Propane gallq/yr savings	Annual Kerosene gallq/yr savings	Annual Wood cordq/yr savings	Annual Water Savings gallons	Incentive	Incremental Cost
number	conditional						4	6	8	10		12	52	14	16	18			20	22	24	26	42	28	30	32	34	36	38	40	62	71	44	46	48		50															
1	Residential	IN21a Residential Lost Opportunity	Iota ENERGY STAR Homes	General Residential																																															
2	Residential	IN21a Residential Lost Opportunity	Iota ENERGY STAR Homes	General Residential																																															
3	Residential	IN21a Residential Lost Opportunity	Iota ENERGY STAR Homes	General Residential																																															
4	Residential	IN21a Residential Lost Opportunity	Iota ENERGY STAR Homes	General Residential																																															
5	Residential	IN21a Residential Lost Opportunity	Iota ENERGY STAR Homes	General Residential																																															
6	Residential	IN21a Residential Lost Opportunity	Iota ENERGY STAR Homes	General Residential																																															
7	Residential	IN21a Residential Lost Opportunity	Iota ENERGY STAR Homes	General Residential																																															
8	Residential	IN21a Residential Lost Opportunity	Iota ENERGY STAR Homes	General Residential																																															
9	Residential	IN21a Residential Lost Opportunity	Iota ENERGY STAR Homes	General Residential																																															
10	Residential	IN21a Residential Lost Opportunity	Iota ENERGY STAR Homes	General Residential																																															
11	Residential	IN21a Residential Lost Opportunity	Iota ENERGY STAR Homes	General Residential																																															
12	Residential	IN21a Residential Lost Opportunity	Iota ENERGY STAR Homes	General Residential																																															
13	Residential	IN21a Residential Lost Opportunity	Iota ENERGY STAR Homes	General Residential																																															
14	Residential	IN21a Residential Lost Opportunity	Iota ENERGY STAR Homes	General Residential																																															
15	Residential	IN21a Residential Lost Opportunity	Iota ENERGY STAR Homes	General Residential																																															
16	Residential	IN21a Residential Retrofit 1-4	Iota Home Energy Solutions	General Residential																																															
17	Residential	IN21a Residential Retrofit 1-4	Iota Home Energy Solutions	General Residential																																															
18	Residential	IN21a Residential Retrofit 1-4	Iota Home Energy Solutions	General Residential																																															
19	Residential	IN21a Residential Retrofit 1-4	Iota Home Energy Solutions	General Residential																																															
20	Residential	IN21a Residential Retrofit 1-4	Iota Home Energy Solutions	General Residential																																															
21	Residential	IN21a Residential Retrofit 1-4	Iota Home Energy Solutions	General Residential																																															
22	Residential	IN21a Residential Retrofit 1-4	Iota Home Energy Solutions	General Residential																																															
23	Residential	IN21a Residential Retrofit 1-4	Iota Home Energy Solutions	General Residential																																															
24	Residential	IN21a Residential Retrofit 1-4	Iota Home Energy Solutions	General Residential																																															
25	Residential	IN21a Residential Retrofit 1-4	Iota Home Energy Solutions	General Residential																																															
26	Residential	IN21a Residential Retrofit 1-4	Iota Home Energy Solutions	General Residential																																															
27	Residential	IN21a Residential Retrofit 1-4	Iota Home Energy Solutions	General Residential																																															
28	Residential	IN21a Residential Retrofit 1-4	Iota Home Energy Solutions	General Residential																																															
29	Residential	IN21a Residential Retrofit 1-4	Iota Home Energy Solutions	General Residential																																															
30	Residential	IN21a Residential Retrofit 1-4	Iota Home Energy Solutions	General Residential																																															
31	Residential	IN21a Residential Retrofit 1-4	Iota Home Energy Solutions	General Residential																																															
32	Residential	IN21a Residential Retrofit 1-4	Iota Home Energy Solutions	General Residential																																															
33	Residential	IN21a Residential Retrofit 1-4	Iota Home Energy Solutions	General Residential																																															
34	Residential	IN21a Residential Lighting	Iota ENERGY STAR Lighting	ES Homes Vending																																															
35	Residential	IN21a Residential Lighting	Iota ENERGY STAR Lighting	ES Homes Vending																																															
36	Residential	IN21a Residential Lighting	Iota ENERGY STAR Lighting	ES Homes Vending																																															
37	Residential	IN21a Residential Lighting	Iota ENERGY STAR Lighting	ES Homes Vending																																															
38	Residential	IN21a Residential Lighting	Iota ENERGY STAR Lighting	ES Homes Vending																																															
39	Residential	IN21a Residential Lighting	Iota ENERGY STAR Lighting	ES Homes Vending																																															
40	Residential	IN21a Residential Lighting	Iota ENERGY STAR Lighting	ES Homes Vending																																															
41	Residential	IN21a Residential Lighting	Iota ENERGY STAR Lighting	ES Homes Vending																																															
42	Residential	IN21a Residential Lighting	Iota ENERGY STAR Lighting	ES Homes Vending																																															
43	Residential	IN21b Residential Appliances	Iota ENERGY STAR Appl	ES Homes Vending																																															
44	Residential	IN21b Residential Appliances	Iota ENERGY STAR Appl	ES Homes Vending																																															
45	Residential	IN21b Residential Appliances	Iota ENERGY STAR Appl	ES Homes Vending																																															
46	Residential	IN21b Residential Appliances	Iota ENERGY STAR Appl	ES Homes Vending																																															
47	Residential	IN21b Residential Appliances	Iota ENERGY STAR Appl	ES Homes Vending																																															
48	Residential	IN21b Residential Appliances	Iota ENERGY STAR Appl	ES Homes Vending																																															
49	Residential	IN21b Residential Appliances	Iota ENERGY STAR Appl	ES Homes Vending																																															
50	Residential	IN21b Residential Appliances	Iota ENERGY STAR Appl	ES Homes Vending																																															
51	Residential	IN21b Residential Appliances	Iota ENERGY STAR Appl	ES Homes Vending																																															
52	Low Income	IN21a Low Income Lost Opportunity	IN21a Low Income Lost Opportunity	ES Homes Vending																																															
53	Low Income	IN21a Low Income Lost Opportunity	IN21a Low Income Lost Opportunity	ES Homes Vending																																															
54	Low Income	IN21a Low Income Lost Opportunity	IN21a Low Income Lost Opportunity	ES Homes Vending																																															
55	Low Income	IN21a Low Income Lost Opportunity	IN21a Low Income Lost Opportunity	ES Homes Vending																																															
56	Low Income	IN21a Low Income Lost Opportunity	IN21a Low Income Lost Opportunity	ES Homes Vending																																															
57	Low Income	IN21a Low Income Lost Opportunity	IN21a Low Income Lost Opportunity	ES Homes Vending																																															
58	Low Income	IN21a Low Income Lost Opportunity	IN21a Low Income Lost Opportunity	ES Homes Vending																																															
59	Low Income	IN21a Low Income Lost Opportunity	IN21a Low Income Lost Opportunity	ES Homes Vending																																															
60	Low Income	IN21a Low Income Lost Opportunity	IN21a Low Income Lost Opportunity	ES Homes Vending																																															
61	Low Income	IN21a Low Income Retrofit 1-4	IN21a Home Energy Assistance	ES Homes Vending																																															
62	Low Income	IN21a Low Income Retrofit 1-4	IN21a Home Energy Assistance	ES Homes Vending																																															
63	Low Income	IN21a Low Income Retrofit 1-4	IN21a Home Energy Assistance	ES Homes Vending																																															
64	Low Income	IN21a Low Income Retrofit 1-4	IN21a Home Energy Assistance	ES Homes Vending																																															
65	Low Income	IN21a Low Income Retrofit 1-4	IN21a Home Energy Assistance	ES Homes Vending																																															
66	Low Income	IN21a Low Income Retrofit 1-4	IN21a Home Energy Assistance	ES Homes Vending																																															
67	Low Income	IN21a Low Income Retrofit 1-4	IN21a Home Energy Assistance	ES Homes Vending																																															
68	Low Income	IN21a Low Income Retrofit 1-4	IN21a Home Energy Assistance	ES Homes Vending																																															
69	Low Income	IN21a Low Income Retrofit 1-4	IN21a Home Energy Assistance	ES Homes Vending																																															
70	Low Income	IN21a Low Income Retrofit 1-4	IN21a Home Energy Assistance	ES Homes Vending																																															
71	Low Income	IN21a Low Income Retrofit 1-4	IN21a Home Energy Assistance	ES Homes Vending																																															
72	Low Income	IN21a Low Income Retrofit 1-4	IN21a Home Energy Assistance	ES Homes Vending																																															
73	Low Income	IN21a Low Income Retrofit 1-4	IN21a Home Energy Assistance	ES Homes Vending																																															
74	Low Income	IN21a Low Income Retrofit 1-4	IN21a Home Energy Assistance	ES Homes Vending																																															
75	Commercial	IC21a C&I Lost Opportunity	C21a C&I New Construction	ES Homes Vending																																															
76	Commercial	IC21a C&I Lost Opportunity	C21a C&I New Construction	ES Homes Vending																																															
77	Commercial	IC21a C&I Lost Opportunity	C21a C&I New Construction	ES Homes Vending																																															
78	Commercial	IC21a C&I Lost Opportunity	C21a C&I New Construction	ES Homes Vending																																															
79	Commercial	IC21a C&I Lost Opportunity	C21a C&I New Construction	ES Homes Vending																																															
80	Commercial	IC21a C&I Lost Opportunity	C21a C&I New Construction	ES Homes Vending																																															
81	Commercial	IC21a C&I Lost Opportunity	C21a C&I New Construction	ES Homes Vending																																															
82	Commercial	IC21a C&I Lost Opportunity	C21a C&I New Construction	ES Homes Vending																																															
83	Commercial	IC21a Large C&I Retrofit	C21a Large C&I Retrofit	ES Homes Vending																																															
84	Commercial	IC21a Large C&I Retrofit	C21a Large C&I Retrofit	ES Homes Vending																																															
85	Commercial	IC21a Large C&I Retrofit	C21a Large C&I Retrofit	ES Homes Vending																																															
86	Commercial	IC21a Large C&I Retrofit	C21a Large C&I Retrofit	ES Homes Vending																																															
87	Commercial	IC21a Large C&I Retrofit	C21a Large C&I Retrofit	ES Homes Vending																																															
88	Commercial	IC21a Large C&I Retrofit	C21a Large C&I Retrofit	ES Homes Vending																																															
89	Commercial	IC21a Large C&I Retrofit	C21a Large C&I Retrofit	ES Homes Vending																																															
90	Commercial	IC21a Large C&I Retrofit	C21a Large C&I Retrofit	ES Homes Vending																																															
91	Commercial	IC21a Large C&I Retrofit	C21a Large C&I Retrofit	ES Homes Vending																																															
92	Commercial	IC21a Large C&I Retrofit	C21a Large C&I Retrofit	ES Homes Vending																																															
93	Commercial	IC21b Small C&I Retrofit	C21b Small C&I Retrofit	SAU 16 Solar	13	1	$37,058	$48,330	$30,993	$10,180	$126,561	$28,265	$13,558	$0	$11,669	$35,839	$89,331	$216,899												$0	$0	$0	$0	$0	$0	$0	$0	$0	$216,899	142.49	1,853	80.00	80.0	1,040.0	-	-	-	-	-	$158,000	$158,000
94	Commercial	IC21b Small C&I Retrofit	C21b Small C&I Retrofit	SAU 16 CHP	13	1	$162,627	$68,298	$15,792	$0	$247,716	$8,162	$1,227	$0	$9,116	$26,000	$60,504	$307,622												$0	$0	$0	$0	$0	$0	$0	$0	$0	$307,622	300,000	3,918	62,000	62.0	29.0	325.0	-					$62,000	$62,000
95	Commercial	IC21b Small C&I Retrofit	C21b Small C&I Retrofit																																																
96	Commercial	IC21b Small C&I Retrofit	C21b Small C&I Retrofit																																																
97	Commercial	IC21b Small C&I Retrofit	C21b Small C&I Retrofit																																																
98	Commercial	IC21b Small C&I Retrofit	C21b Small C&I Retrofit																																																
99	Commercial	IC21b Small C&I Retrofit	C21b Small C&I Retrofit																																																
100	Commercial	IC21b Small C&I Retrofit	C21b Small C&I Retrofit																																																
101	-	-	-	ES Homes Vending																																																
102	-	-	-	ES Homes Vending																																																
103	-	-	-	ES Homes Vending																																																
104	-	-	-	ES Homes Vending																																																
105	-	-	-	ES Homes Vending																																																
106	-	-	-	ES Homes Vending																																																
107	-	-	-	ES Homes Vending																																																
108	-	-	-	ES Homes Vending																																																
109	-	-	-	ES Homes Vending																																																
110	-	-	-	ES Homes Vending																																																
111	-	-	-	ES Homes Vending																																																
112	-	-	-	ES Homes Vending																																																
113	-	-	-	ES Homes Vending																																																
114	-	-	-	ES Homes Vending																																																
115	-	-	-	ES Homes Vending																																																
116	-	-	-	ES Homes Vending																																																
117	-	-	-	ES Homes Vending																																																
118	-	-	-	ES Homes Vending																																																
119	-	-	-	ES Homes Vending																																																
120	-	-	-	ES Homes Vending																																																
121	-	-	-	ES Homes Vending																																																
122	-	-	-	ES Homes Vending																																																
123	-	-	-	ES Homes Vending																																																
124	-	-	-	ES Homes Vending																																																
125	-	-	-	ES Homes Vending																																																
126	-	-	-	ES Homes Vending																																																
127	-	-	-	ES Homes Vending																																																
128	-	-	-	ES Homes Vending																																																
129	-	-	-	ES Homes Vending																																																
130	-	-	-	ES Homes Vending																																																
131	-	-	-	ES Homes Vending																																																
132	-	-	-	ES Homes Vending																																																
133	-	-	-	ES Homes Vending																																																
134	-	-	-	ES Homes Vending																																																
135	-	-	-	ES Homes Vending																																																
136	-	-	-	ES Homes Vending																																																
137	-	-	-	ES Homes Vending																																																
138	-	-	-	ES Homes Vending																																																
139	-	-	-	ES Homes Vending																																																
140	-	-	-	ES Homes Vending																																																
141	-	-	-	ES Homes Vending																																																
142	-	-	-	ES Homes Vending																																																
143	-	-	-	ES Homes Vending																																																
144	-	-	-	ES Homes Vending																																																
145	-	-	-	ES Homes Vending																																																
146	-	-	-	ES Homes Vending																																																
147	-	-	-	ES Homes Vending																																																
148	-	-	-	ES Homes Vending																																																
149	-	-	-	ES Homes Vending																																																
150	-	-	-	ES Homes Vending																																																
151	-	-	-	ES Homes Vending																																																
152	-	-	-	ES Homes Vending																																																
153	-	-	-	ES Homes Vending																																																
154	-	-	-	ES Homes Vending																																																
155	-	-	-	ES Homes Vending																																																
156	-	-	-	ES Homes Vending																																																
157	-	-	-	ES Homes Vending																																																
158	-	-	-	ES Homes Vending																																																
159	-	-	-	ES Homes Vending																																																
160	-	-	-	ES Homes Vending																																																
161	-	-	-	ES Homes Vending																																																
162	-	-	-	ES Homes Vending																																																
163	-	-	-	ES Homes Vending																																																
164	-	-	-	ES Homes Vending																																																
165	-	-	-	ES Homes Vending																																																
166	-	-	-	ES Homes Vending																																																
167	-	-	-	ES Homes Vending																																																
168	-	-	-	ES Homes Vending																																																
169	-	-	-	ES Homes Vending																																																
170	-	-	-	ES Homes Vending																																																
171	-	-	-	ES Homes Vending																																																
172	-	-	-	ES Homes Vending																																																
173	-	-	-	ES Homes Vending																																																
174	-	-	-	ES Homes Vending																																																
175	-	-	-	ES Homes Vending																																																
176	-	-	-	ES Homes Vending																																																
177	-	-	-	ES Homes Vending																																																
178	-	-	-	ES Homes Vending																																																
179	-	-	-	ES Homes Vending																																																
180	-	-	-	ES

Program	Sector	
A02a ENERGY STAR Homes	A - Residential	1
A03a Home Energy Solutions	B - Low Income	2
A04a ENERGY STAR Lighting	C - Comm & Indust	3
A04b ENERGY STAR Appl	Other	4
A05a EE Website	-	5
A05b Res / K-12 Education	-	6
A06a ISO-Related Expenses Res Non-LI		7
A07x Perf. Incentive Tax Liability		8
B02a Low Income Lost Opportunity		9
B03a Home Energy Assistance		10
B06a ISO-Related Expenses Res LI		11
B07x Perf. Incentive Tax Liability		12
C02a C&I New Construction		13
C03a Large C&I Retrofit		14
C03b Small C&I Retrofit		15
C05b Cust/Contr Education		16
C05d C&I EE Website		17
C06a ISO-Related Expenses C&I		18
C07x Perf. Incentive Tax Liability		19
-		
-		
-		
-		
-		
-		
-		
-		

	Avoided cost reference Fuel Type	Column
	Winter Peak Energy	4
	Winter Off-Peak Energy	6
	Summer Peak Energy	8
	Summer Off-Peak Energy	10
	Summer Generation	12
	Winter Generation	14
	Transmission	16
	Distribution	18
Oil	Fuel Oil - Residential Distillate	20
Oil	Fuel Oil - Com #2 Oil	22
Oil	Fuel Oil - Com #4 Oil	24
Oil	Fuel Oil - Ind #6 Oil	26
Oil	Fuel Oil - Kerosene	42
Gas	NG - Res Hot Water	28
Gas	NG - Res Gas Old Bldg	30
Gas	NG - Res Gas New Bldg	32
Gas	NG - C&I Gas DHW	34
Gas	NG - C&I Gas Heat	36
Gas	NG - C&I Gas All	38
Other	Propane	40
Water	Res Water	44
Water	C&I Water	46
Water	C&I Sewer	48
	Non-Resource Annual	50
	DRIPE	52
	Non-Resource	54
	Winter Peak Energy DRIPE	55
	Winter Off-Peak Energy DRIP	57
	Summer Peak Energy DRIPE	59
	Summer Off-Peak Energy DR	61
	Winter Peak Energy CO2 Cos	63

Winter Off-Peak Energy CO2 65
Summer Peak Energy CO2 C 67
Summer Off-Peak Energy CO 69

BCR Activity	End Use	Sector
A02a Residential Lost Opportunity	ALght	Residential
A02b Residential HVAC	BHVAC	Residential
A03a Residential Retrofit 1-4	CMoDr	Residential
A03b Residential Retrofit Multifamily	DRefr	Residential
A03c Residential Load Response	EHoWa	Residential
A04a Residential Lighting	FComA	Residential
A04b Residential Appliances	GProc	Residential
A04c Res EE Website	Other	Low Income
B02a Low Income Lost Opportunity	HEUBe	Low Income
B03a Low Income Retrofit 1-4		Low Income
B03b Low Income Retrofit Multifamily		Com/Ind
C02a C&I Lost Opportunity		Com/Ind
C03a Large C&I Retrofit		Com/Ind
C03b Small C&I Retrofit		
C04c C&I EE Website		
A05a Residential SHI		
B05a Low Income SHI		
C05a Comm/Ind SHI		
-		

Sector and BCR Ac
must match exactly
(spelling, spaces, h

Benefit Detail	Benefit Type	Detail
A01 Generation Summer	Dollar Capacity	$-kW
A02 Generation Winter	Dollar Capacity	$-kW
A03 Transmission	Dollar Capacity	$-T&D
A04 Marginal Distribution Cost	Dollar Capacity	$-T&D
A05 Winter Peak	Dollar Energy	$-kWh
A06 Winter Off Peak	Dollar Energy	$-kWh
A07 Summer Peak	Dollar Energy	$-kWh
A08 Summer Off Peak	Dollar Energy	$-kWh
A09 Resource	Dollar Non-Electric	$-NEB
A10 Non-Resource	Dollar Non-Electric	$-NEB
A11 DRIPE	Dollar DRIPE	$-DRIPE
B01 Peak kW	Savings kW	Annual kW
B02 kW Summer	Savings kW	Summer kW
B03 kW Winter	Savings kW	Winter kW
B04 kW Lifetime	Savings kW	Lifetime kW
B05 MWh Maximum Annual	Savings MWH	Annual MWh
B06 MWh Lifetime	Savings MWH	Lifetime MWh

Loadshape Name	**Winter Peak Energy**	**Winter Off-Peak Energy**	**Summer Peak Energy**
-	0%	0%	0%
Clotheswasher	27%	40%	13%
Continuous Running Equipment	26%	41%	13%
Cooling	27%	40%	13%
DHW ISMs	28%	26%	25%

Generic	27%	40%	13%
Heating	27%	40%	13%
Heating & Cooling (Shell)	27%	40%	13%
Lg C&I - Lighting	23%	36%	19%
Lg C&I - NC & Retro	23%	36%	19%
Lighting	27%	40%	13%
Lighting Low Income	27%	40%	13%
Refrigerator	27%	40%	13%
Res Hi Eff CAC	0%	0%	70%
Room A/C	27%	40%	13%
Sm C&I Retro	31%	36%	15%
Sm C&I Retro Lighting	31%	36%	15%
Water Heating	27%	40%	13%
Zeroshape	0%	0%	0%

Administrator

A MECo National Grid

A001 - Program Planning & Administra	A001 PPA
A002 - Marketing	A002 MA
A003 - Customer Incentive	A003 CI
A004 - Sales, Tech Assist & Training	A004 STAT
A005 - Evaluation & Market Research	A005 EV
A006 - Particpant Cost	A006 PC
A007 - Performance Incentive	A007 PI

A - No Fuel
B - NG - C&I Non-Heating
C - NG - C&I Heating
D - NG - C&I All
E - NG - Res Heating Retrofit
F - NG - Res Heating New
G - NG - Res Hot Water
H - NG - Res All
I - NG - Retail All
J - Fuel Oil - Residential Distillate
K - Fuel Oil - Com #2 Oil
L - Fuel Oil - Com #4 Oil
M - Fuel Oil - Ind #6 Oil
N - Fuel Oil - Kerosene
O - Propane - Retail
P - Propane - Commercial
Q- Propane - Industrial
R - Wood - Greenwood
S - Wood - Seasoned
T - Coal
U - Other 1
V - Other 2
W - Other 3

LOADSHAPES FROM GRID'S MODEL - FROM LYNN ROSS

Loadshape Name	Winter Peak Energy	Winter Off-Peak Energy	Summer Peak Energy
HEATINGHERS	28%	26%	25%
COOLINGHERS	0%	0%	70%
DHWHERS	27%	40%	13%
REFRIG	27%	40%	13%
CWASHER	27%	40%	13%
DISHWASHs	41%	25%	21%
CFL	35%	32%	17%
CUSTSER	33%	33%	17%
CUSTSERNE	40%	26%	20%
n/a	41%	25%	21%
CW1ElecDHWElecDry	48%	19%	24%
CW1ElecDHWFossilDry	27%	40%	13%
CW1OilDHWElecDry	27%	40%	13%
CW1GasDHWElecDry	41%	25%	21%
CW1GasDHWOtherDry	31%	36%	15%
CW2ElecDHWElecDry	19%	48%	9%
CW2ElecDHWFossilDry	44%	22%	22%
CW2OilDHWElecDry	43%	24%	21%
CW2GasDHWElecDry	52%	15%	26%
CW2GasDHWOtherDry	27%	40%	13%
CW3ElecDHWElecDry	27%	40%	13%
CW3ElecDHWFossilDry	27%	40%	13%
CW3OilDHWElecDry	0%	0%	70%
CW3GasDHWElecDry	53%	18%	21%
CW3GasDHWOtherDry	53%	18%	21%
RoomAC	27%	40%	13%
MOCFL	27%	40%	13%
MOIFixture	27%	40%	13%
MOOFixture	27%	40%	13%
MOTorchiere	27%	40%	13%
CFL	27%	40%	13%

Ifixture	27%	40%	13%
Ofixture	27%	40%	13%
Torchiere	27%	40%	13%
EDUC - TLC	27%	40%	13%
Wx Elec	27%	40%	13%
CFL	0%	0%	70%
FIXTURES	27%	40%	13%
REFRIG	52%	15%	26%
DHWElec	27%	40%	13%
DHWOil	53%	18%	21%
THERMOSTAT	22%	21%	30%
Wx DelFuel	0%	0%	70%
AMP Single-family	27%	40%	13%

ctivity names entered here
y to those in the Budget sheet
hyphens etc)

PY	Year
Year 1 =	2010
Year 2 =	2011
Year 3 =	2012
Year 4 =	2013
Year 5 =	2014

Summer Off-Peak Energy	Check	Summer Coincident (%)	Winter Coincident (%)	Notes
0%	0%	0%	0%	
20%	100%	100%	100%	
20%	100%	100%	100%	
20%	100%	100%	0%	
22%	100%	43%	100%	

20%	100%	100%	75%
20%	100%	0%	100%
20%	100%	72%	48%
22%	100%	88%	58%
22%	100%	100%	82%
20%	100%	7.6%	28.6%
20%	100%	27%	100%
20%	100%	100%	90%
30%	100%	85%	0%
20%	100%	29.0%	0.0%
18%	100%	100%	75%
18%	100%	80%	37%
20%	100%	75%	100%
0%	0%	0%	0%
	0%		
	0%		
	0%	

Summer Off-Peak Energy	
22%	100%
30%	100%
20%	100%
20%	100%
20%	100%
13%	100%
16%	100%
17%	100%
13%	100%
13%	100%
10%	100%
20%	100%
20%	100%
13%	100%
18%	100%
24%	100%
11%	100%
12%	100%
7%	100%
20%	100%
20%	100%
20%	100%
30%	100%
9%	100%
9%	100%
20%	100%
20%	100%
20%	100%
20%	100%
20%	100%
20%	100%

20%	100%
20%	100%
20%	100%
20%	100%
20%	100%
30%	100%
20%	100%
7%	100%
20%	100%
9%	100%
27%	100%
30%	100%
20%	100%

A02a Residential Lost Opportunity
A02b Residential HVAC
A03a Residential Retrofit 1-4
A03b Residential Retrofit Multifamily
A03c Residential Load Response
A04a Residential Lighting
A04b Residential Appliances
B02a Low Income Lost Opportunity
B03a Low Income Retrofit 1-4
B03b Low Income Retrofit Multifamily
C02a C&I Lost Opportunity
C03a Large C&I Retrofit
C03b Small C&I Retrofit

Program	ProgID	Rate Class
A02a ENERGY STAR Homes	347	R
A03a Home Energy Solutions	344	R
A04a ENERGY STAR Lighting	345	R
A04b ENERGY STAR Appl	346	R
A05a EE Website	332	R
A05b Res / K-12 Education	378	R
A06a ISO-Related Expenses Res Non-LI		R
A07x Perf. Incentive Tax Liability		R
B02a Low Income Lost Opportunity		L
B03a Home Energy Assistance	329	L
B06a ISO-Related Expenses Res LI		L
B07x Perf. Incentive Tax Liability		L
C02a C&I New Construction	349	C
C03a Large C&I Retrofit	350	C
C03b Small C&I Retrofit	348	C
C05b Cust/Contr Education	376	C
C05d C&I EE Website	332	C
C06a ISO-Related Expenses C&I		C
C07x Perf. Incentive Tax Liability		C
-		
-		
-		
-		
-		
-		
-		
-		

DER Regulatory Analysis Pursuant to 374-G:5 Rate Filing: Authorization, Part II

SAU 16 Solar

a expected vale of economic benefiuts and costs

Unitil Contribution			200
Overhead Rate @30%	0.3		60
NPV of expected costs		$	260.00
NPV of expected benefits		$	554.42
B/C Ratio			2.13

Breakdown of benefits

Total Benefits												Load Reduction			MWh Saved		Value
Total Benefits	Capacity					Energy		Non Electric				Summer	Winter	Lifetime	Annual	Lifetime	Energy
	Generation		Trans	Dist	DRIPE	Winter		Summer		Resource	Non-Resource						DRIPE
	Summer	Winter				Peak	Off Peak	Peak	Off Peak								DRIPE
$17,795	$38,437	$0	$20,785	$63,839	$17,795	$219,966	$136,628	$46,783	$10,185	$0	$0	105	143	1,365	449	5,837	$145,017

	DRIPE Energy	$	145,017
	CO2 Reduction	$	177,348
	REC Credit	$	672,590
3	Loctized Distribution D55 Benefits	$	8,680
	Grand Total	**$**	**1,024,421**

Schedule CLC-6

			Impact
	Economic Development Benefits		
$	Output	$	371,639
$	Wages	$	72,257
Jobs	Employment	$	1.720

Participant Benefits		Total	Capacity	Energy	Environmental	Development
Total $	$	536,622.28	$ 123,060.85	$ 413,561.43		
B/C Ratio	$	2.06				
All Customers	$	720,479.59	$26,475	$145,017	$177,348	$ 371,639
Default	$	672,590				
	$	1,929,694				

$/MVA	$	82.67

Localized Distribution Benefits

Level	Descritpion	Average Annual Cos	Average Growth Rat	Savings by Delaying 1 Year (WACC * $/kVA)
1	Circuit Level Project	33502.52991	316.7948718	7.233617871 7.233618
2	Substation Level Project	160302.2222	152.3333333	71.97815317 79.21177
3	System Level Project	212020.7544	4194.736842	3.457241812 82.66901
	WACC =	0.0684		

Economic Development

Weights	Industry	Output	Earnings	Jobs per $1M Employment	Output	Earnings	Weighted Employment
	Utilities	1.2345	0.1333	2.1336			
0.25	Construction	1.8523	0.4282	11.6215	0.463075	0.10705	2.905375
0.6	Electric equipment	1.7282	0.2573	5.3623	1.03692	0.15438	3.21738
0.1	Misc Manufacturing	1.7633	0.3512	7.1845	0.17633	0.03512	0.71845
0.05	Wholesale Trade	1.6178	0.3352	6.7948	0.08089	0.01676	0.33974
1					1.757215	0.31331	7.180945
				DER & Utility	1.429	0.278	6.614

Summary Report

SAU 16 Solar

Unitil Investment	$260,000
Total Project Cost	$860,000
Other Intangible Benefits	
Load Reduction	
Summer	105
Winter	143
Lifetime	1,365
MWh Saved	
Annual	449
Lifetime	5,837
Economic Development	
Jobs Created	2
Wages & Salaries	$72,257

Allocation of Economic Benefits

Capacity	Total	Participant	All Customers	Default
Generation				
Summer	$38,437	$53,150	-$14,713	
Winter	$0	$0	$0	
Transmission	$20,785	$4,859	$15,926	
Distribution	$63,839	$14,924	$48,915	
DRIPE	$17,795		$17,795	
Localized Distribution	$8,680		$8,680	
Total Capacity	**$149,536**	**$72,933**	**$76,603**	**$0**
Energy				
Winter				
Peak	$219,966	$304,166	-$84,200	
Off peak	$136,628	$188,928	-$52,300	
Summer				