

# EPY7/GPY4 Cost Effectiveness Summary Report:

June 2014 through May 2015

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Prepared for:  
Illinois Department of Commerce & Economic Opportunity

Prepared by:



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# Total Resource Cost (TRC) Test Results

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This report presents the results of the cost effectiveness evaluation of all programs offered by the Illinois Department of Commerce & Economic Opportunity (hereinafter referred to as the “Department of Commerce”) during electric program year seven and natural gas program year four (EPY7/GPY4), which is defined as the period from June 2014 through May 2015.

## 1. TRC Definition and Modeling Inputs

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Illinois statutes 220 ILCS 5/8-103 and 220 ILCS 5/8-104 require an annual evaluation of the Department of Commerce portfolio of measures. This report presents the Total Resource Cost (TRC) test score for each of the programs implemented by the Department of Commerce during EPY7/GPY4.

The TRC measures the net costs of a demand-side management program as a resource option based on the total costs of the program, including both participant and utility costs. The Illinois Power Authority Act defines the TRC test as follows<sup>1</sup>:

*"Total resource cost test" or "TRC test" means a standard that is met if, for an investment in energy efficiency or demand-response measures, the benefit-cost ratio is greater than one. The benefit-cost ratio is the ratio of the net present value of the total benefits of the program to the net present value of the total costs as calculated over the lifetime of the measures. A total resource cost test compares the sum of avoided electric utility costs, representing the benefits that accrue to the system and the participant in the delivery of those efficiency measures, as well as other quantifiable societal benefits, including avoided natural gas utility costs, to the sum of all incremental costs of end-use measures that are implemented due to the program (including both utility and participant contributions), plus costs to administer, deliver, and evaluate each demand-side program, to quantify the net savings obtained by substituting the demand-side program for supply resources. In calculating avoided costs of power and energy that an electric utility would otherwise have had to acquire, reasonable estimates shall be included of financial costs likely to be imposed by future regulations and legislation on emissions of greenhouse gases.*

ADM utilized modeling software called DSMore to perform the cost effectiveness testing. To test the Department of Commerce portfolio of programs, ADM valued utility-specific net savings using the corresponding cost, loss and discount rates. The output of each utility model is a dollar figure that represents the discounted present value of the benefits over the lifetime of each measure. Total costs are the sum of net incremental measure costs<sup>2</sup> and program non-incentive costs. Portfolio non-program costs include evaluation costs, marketing costs including costs of energy efficiency education directed toward various market actors, and other costs associated with the administration

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<sup>1</sup> While this definition applies to evaluation of electric energy efficiency and demand response measures, the definition can be readily modified to apply to evaluation of natural gas efficiency measures.

<sup>2</sup> “Net incremental measure costs” is defined as the incremental measure costs and any incentives paid to third parties for the cost of study-based services, factored by the program net-to-gross ratio.

of the portfolio that are not directly associated with a specific program. The TRC score is the ratio of total benefits to total costs (Total Benefits/Total Costs).

In addition to the set of utility inputs, program and measure specific inputs, and discount rates used in the model are specified in Table 1. EPY7/GPY4 was the fourth program year that included funds for measures targeting natural gas savings. The evaluation of any program inducing both electric and natural gas savings includes the benefits associated with both natural gas and electric energy savings.

*Table 1 Inputs to the TRC Model*

<i>Category</i>	<i>Input</i>	<i>Source(s)</i>
Utility-Specific	Avoided Cost of Energy Projections (\$/kWh) (2014 - 2039)	Ameren, ComEd, Nicor, North Shore, and Peoples
	Avoided Electric Capacity Cost Projections (\$/kW) (2014 - 2039)	
	Avoided Procurement Cost of Natural Gas Projections (\$/Therm) (2014 - 2039)	
	Electric Line Loss Percentage (Rates Vary by Customer Type, i.e. Residential vs Commercial)	
	Gas Distribution Loss Percentage	
Measure Specific	Realized Net kWh Savings	ADM
	Realized Net Peak kW Savings	ADM
	Realized Net Therm Savings	ADM
	Measure-level Effective Useful Life	Illinois Technical Reference Manual (TRM), ADM
	Incremental Costs	Illinois TRM, ADM
	Program Incentives	Department of Commerce, Illinois Energy Now Information Management System database, Energy Resources Center, University of Illinois at Urbana-Champaign School of Architecture Building Research Council, the Midwest Energy Efficiency Alliance
	Non-Incentive Costs	Department of Commerce
	Avoided Electric Environmental Impacts	ComEd Plan Year 3 Summary Evaluation Report <sup>3</sup>

<sup>3</sup>[http://ilsagfiles.org/SAG\\_files/Evaluation\\_Documents/ComEd/ComEd%20EPY3%20Evaluation%20Reports/ComEd\\_Summary\\_PY3\\_Evaluation\\_Report\\_Final.pdf](http://ilsagfiles.org/SAG_files/Evaluation_Documents/ComEd/ComEd%20EPY3%20Evaluation%20Reports/ComEd_Summary_PY3_Evaluation_Report_Final.pdf)



<i>Category</i>	<i>Input</i>	<i>Source(s)</i>
	Non-Energy Benefits	IL Cost Effectiveness Screening Issues SAG Presentation <sup>4</sup>
Discount Rates	Weighted Average Cost of Capital	Ameren, ComEd, Nicor, North Shore, and Peoples
	10-Year Treasury Discount Rate	10-Year Treasury Yields

### 1.1 Utility-Specific Inputs

Avoided energy cost projections (kWh, kW and therms) were acquired from each utility. Electric line loss, and natural gas loss rates are also specific to each utility.

### 1.2 Program and Measure Specific Inputs

Annualized first year net energy savings values are based on the EPY7/GPY4 program evaluations completed by ADM, modified by the inclusion of measure interactive effects that were not included in the annualized first year energy savings values. ADM applied effective useful life (EUL) values found in the Illinois Technical Reference Manual (TRM) Version 4.0 for each applicable measure included in the TRM. For measures not included in the Illinois TRM, ADM referenced other secondary data sources to develop appropriate EULs. In order to appropriately develop lifetime energy savings and peak impacts of measures designated in the TRM as having a dual baseline, ADM adjusted savings and peak impacts at the appropriate point in the measure life. ADM developed incremental cost estimates based on guidance contained in the Illinois TRM; in cases in which the Illinois TRM could not be used to estimate incremental costs, incremental costs were estimated based on a payback method that is dependent on verified energy savings. Program incentives were sourced from information provided by the Department of Commerce, the Midwest Energy Efficiency Alliance (MEEA), the Energy Resources Center (ERC), the University of Illinois at Urbana-Champaign School of Architecture Building Research Council, and data retrieved from the Illinois Energy Now Information Management System (IEN IMS) database. Non-incentive costs were provided by the Department of Commerce and MEEA. Environmental benefits of avoided CO<sub>2</sub> emissions from electricity generation were valued at \$0.013875 / kWh and included in the calculation of benefits.

Participant non-energy benefit (NEB) adders were applied to calculated benefits. A 15% default non-low income benefits adder was applied to Public Sector and Market Transformation Programs. A 30% default low-income benefits adder was applied to Low Income Programs. TRC scores were calculated with and without the non-energy benefit adders.

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<sup>4</sup>[http://ilsagfiles.org/SAG\\_files/Subcommittees/IPA-TRC\\_Subcommittee/3-17-2015\\_Meeting/NRDC\\_cost-eff\\_presentation\\_2015-03-17.pdf](http://ilsagfiles.org/SAG_files/Subcommittees/IPA-TRC_Subcommittee/3-17-2015_Meeting/NRDC_cost-eff_presentation_2015-03-17.pdf)

### 1.3 Discount Rates

Sets of TRC scores were calculated using two discount rates: 1) utility-specific weighted average cost of capital (WACC) and 2) a societal discount rate of 2% based on 10-Year Treasury yield rates.

### 1.4 Analysis

To evaluate the Department of Commerce portfolio of programs, ADM valued utility-specific net savings. The output of each utility model is a dollar value that represents the estimated net present value of the benefits over the lifetime of each measure. For each unit of analysis, benefits were calculated in four ways: 1) with a 10-Year Treasury Yield discount rate and without application of a NEB adder, 2) with a 10-Year Treasury Yield discount rate and with application of a NEB adder, 3) with a WACC discount rate and without application of a NEB adder, 4) with a WACC discount rate and with application of a NEB adder.

Total costs are the sum of net incremental costs, program non-incentive costs, and incentives paid in excess of incremental costs.

For Public Sector Programs, ADM referenced incentive data from the Department of Commerce, IEN IMS database, and ERC. For all Public Sector Programs in aggregate, IOU-level incentive costs shown in the accounting data ADM received from the Department of Commerce did not match IOU-level incentive costs in the data sources referenced by ADM for TRC analysis. Similarly, incentive costs provided in year-end reporting generated by the University of Illinois at Urbana-Champaign School of Architecture Building Research Council did not match IOU incentive costs provided by the Department of Commerce. Any discrepancies between ADM-referenced incentive data, and Department of Commerce incentive data were allocated to the “non-incentive costs” category in order to ensure that the total costs were consistent with Department of Commerce accounting data.

The TRC score is the ratio of total benefits to total costs (Total Benefits/Total Costs). Because benefits were calculated in four ways, there are four TRC scores for each unit of analysis.

## 2. TRC Results

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This section presents TRC results in two ways: 1) summary results that include total benefits and costs and 2) detailed results that break down benefits and costs into various categories.

### 2.1 Summary TRC Results

Gross and net program energy savings at the utility level are presented in Table 2 and Table 3, respectively.

Program benefits, costs, and TRC scores are shown for each utility in Table 4 through Table 9. Table 10 shows benefits, costs and TRC scores for all utilities combined. Using the four ways of calculating benefits outlined above, the portfolio-level TRC scores range from 2.14 to 3.23.<sup>5</sup>

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<sup>5</sup> While the portfolio-level TRC score exceeds 1 in all instances, note that per 220 ILCS 5/8-103 and 220 ILCS 5/8-104, the Department of Commerce programs "targeted to households with incomes at or below 80% of area median income" shall not be accounted for in the demonstration that its "overall portfolio of energy efficiency and demand-response measures ... are cost-effective" using the total resource cost test.

Table 2 Portfolio Gross Savings

Program	Gross Realized kWh			Gross Realized Therms				
	Ameren-Ele	ComEd	Total Elec	Ameren-Gas	Nicor	North Shore	Peoples	Total Gas
Custom	11,073,223	19,806,713	30,879,936	180,621	480,991	134,264	497,205	1,293,081
Standard (Prescriptive)	14,810,451	53,162,374	67,972,824	30,810	139,431	6,769	66,392	243,403
New Construction	4,944,843	393,666	5,338,509	31,328	197,832	0	0	229,160
Retro-Commissioning	1,144,282	5,973,482	7,117,764	101,973	424,029	10,216	31,509	567,727
Boiler System Efficiency	0	0	0	253,782	707,323	14,842	461,777	1,437,724
STEP	806,436	3,337,554	4,143,990	38,070	31,549	1,402	95,675	166,696
<b>Total Public Sector</b>	<b>32,779,234</b>	<b>82,673,788</b>	<b>115,453,022</b>	<b>636,585</b>	<b>1,981,155</b>	<b>167,494</b>	<b>1,152,557</b>	<b>3,937,792</b>
Residential Retrofit	3,439,050	5,137,788	8,576,838	250,297	324,876	36,328	440,701	1,052,203
Affordable New Construction	950,161	1,674,479	2,624,640	3,982	55,960	0	39,163	99,105
Public Housing Authority	559,223	1,804,949	2,364,172	36,282	71,891	6,035	187,028	301,236
<b>Total Low Income Sector</b>	<b>4,948,434</b>	<b>8,617,216</b>	<b>13,565,650</b>	<b>290,562</b>	<b>452,727</b>	<b>42,363</b>	<b>666,892</b>	<b>1,452,544</b>
SEDAC	N/A.	N/A.	N/A.	N/A.	N/A.	N/A.	N/A.	N/A.
K-12 Energy Efficiency	43,117	30,315	73,432	0	0	0	0	0
Building Operator Certification	N/A.	N/A.	N/A.	N/A.	N/A.	N/A.	N/A.	N/A.
Data Center	0	0	0	0	0	0	0	0
<b>Market Transformation</b>	<b>43,117</b>	<b>30,315</b>	<b>73,432</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Portfolio</b>	<b>37,770,784</b>	<b>91,321,319</b>	<b>129,092,103</b>	<b>927,147</b>	<b>2,433,882</b>	<b>209,857</b>	<b>1,819,450</b>	<b>5,390,336</b>

Table 3 Portfolio Net Savings

Program	Net Realized kWh			Net Realized Therms				
	Ameren-Ele	ComEd	Total Elec	Ameren-Gas	Nicor	North Shore	Peoples	Total Gas
Custom	9,252,437	16,091,467	25,343,904	151,788	377,312	104,182	457,174	1,090,456
Standard (Prescriptive)	13,618,320	47,599,344	61,217,664	19,787	68,113	3,291	36,322	127,513
New Construction	2,898,452	343,019	3,241,471	5,803	146,810	0	0	152,612
Retro-Commissioning	1,171,070	6,044,128	7,215,198	99,109	403,824	10,216	30,456	543,605
Boiler System Efficiency	0	0	0	221,279	597,253	11,413	413,845	1,243,790
STEP	778,644	3,198,470	3,977,114	33,301	28,198	1,272	86,435	149,206
<b>Total Public Sector</b>	<b>27,718,923</b>	<b>73,276,428</b>	<b>100,995,351</b>	<b>531,067</b>	<b>1,621,511</b>	<b>130,375</b>	<b>1,024,231</b>	<b>3,307,183</b>
Residential Retrofit	3,439,050	5,137,788	8,576,838	250,297	324,876	36,328	440,701	1,052,203
Affordable New Construction	950,161	1,674,479	2,624,640	3,982	55,960	0	39,163	99,105
Public Housing Authority	559,223	1,804,949	2,364,172	36,282	71,891	6,035	187,028	301,236
<b>Total Low Income Sector</b>	<b>4,948,434</b>	<b>8,617,216</b>	<b>13,565,650</b>	<b>290,562</b>	<b>452,727</b>	<b>42,363</b>	<b>666,892</b>	<b>1,452,544</b>
SEDAC	271,225	1,974,920	2,246,145	3,186	12,371	356	7,336	23,249
K-12 Energy Efficiency	36,032	25,334	61,367	0	0	0	0	0
Building Operator Certification	521,991	1,230,408	1,752,400	0	0	0	0	0
Data Center	0	0	0	0	0	0	0	0
<b>Market Transformation</b>	<b>829,249</b>	<b>3,230,663</b>	<b>4,059,912</b>	<b>3,186</b>	<b>12,371</b>	<b>356</b>	<b>7,336</b>	<b>23,249</b>
<b>Total Portfolio</b>	<b>33,496,606</b>	<b>85,124,306</b>	<b>118,620,912</b>	<b>824,815</b>	<b>2,086,609</b>	<b>173,094</b>	<b>1,698,458</b>	<b>4,782,976</b>

Table 4 Ameren Electric Benefits, Costs, and TRC Scores by Program

<i>Sector</i>	<i>Program</i>	<i>Total Benefits (10-Year Treasury Discount Rate, Without NEBs)</i>	<i>Total Benefits (10-Year Treasury Discount Rate, With NEBs)</i>	<i>Total Benefits (WACC Discount Rate, Without NEBs)</i>	<i>Total Benefits (WACC Discount Rate, With NEBs)</i>	<i>Total Costs</i>	<i>TRC (10-Year Treasury Discount Rate, Without NEBs)</i>	<i>TRC (10-Year Treasury Discount Rate, With NEBs)</i>	<i>TRC (WACC Discount Rate, Without NEBs)</i>	<i>TRC (WACC Discount Rate, With NEBs)</i>
Public Sector	Custom	\$8,702,406	\$10,007,767	\$6,743,386	\$7,754,893	\$2,276,874	3.82	4.40	2.96	3.41
	Standard	\$11,628,454	\$13,372,722	\$10,026,031	\$11,529,936	\$1,669,175	6.97	8.01	6.01	6.91
	New Construction	\$4,361,521	\$5,015,749	\$3,504,458	\$4,030,126	\$549,818	7.93	9.12	6.37	7.33
	Retro-Commissioning	\$1,962,481	\$2,256,854	\$1,674,543	\$1,925,724	\$704,225	2.79	3.20	2.38	2.73
	Boiler System Efficiency	\$0	\$0	\$0	\$0	\$0				
	STEP	\$468,071	\$538,282	\$415,163	\$477,437	\$151,956	3.08	3.54	2.73	3.14
	<b>Total</b>	<b>\$27,122,933</b>	<b>\$31,191,373</b>	<b>\$22,363,580</b>	<b>\$25,718,117</b>	<b>\$5,352,048</b>	<b>5.07</b>	<b>5.83</b>	<b>4.18</b>	<b>4.81</b>
Low Income	Residential Retrofit	\$4,300,766	\$5,590,996	\$3,584,999	\$4,660,498	\$1,536,559	2.80	3.64	2.33	3.03
	Affordable New Construction	\$1,306,032	\$1,697,842	\$1,083,012	\$1,407,916	\$683,891	1.91	2.48	1.58	2.06
	Public Housing Authority	\$913,010	\$1,186,913	\$757,485	\$984,730	\$730,202	1.25	1.63	1.04	1.35
	<b>Total</b>	<b>\$6,519,808</b>	<b>\$8,475,751</b>	<b>\$5,425,496</b>	<b>\$7,053,144</b>	<b>\$2,950,652</b>	<b>2.21</b>	<b>2.87</b>	<b>1.84</b>	<b>2.39</b>
Market Transformation	SEDAC	\$287,049	\$330,107	\$245,112	\$281,878	\$604,468	0.47	0.55	0.41	0.47
	K-12 Energy Efficiency	\$11,821	\$13,594	\$10,892	\$12,525	\$106,989	0.11	0.13	0.10	0.12
	Building Operator Certification	\$354,241	\$407,377	\$318,515	\$366,293	\$108,027	3.28	3.77	2.95	3.39
	Data Center	\$0	\$0	\$0	\$0	\$0				
	<b>Total</b>	<b>\$653,112</b>	<b>\$751,078</b>	<b>\$574,519</b>	<b>\$660,697</b>	<b>\$819,485</b>	<b>0.80</b>	<b>0.92</b>	<b>0.70</b>	<b>0.81</b>
<b>Portfolio Non-Program Costs</b>						<b>\$1,557,705</b>				
<b>Grand Total</b>		<b>\$34,295,853</b>	<b>\$40,418,203</b>	<b>\$28,363,594</b>	<b>\$33,431,958</b>	<b>\$10,679,888</b>	<b>3.21</b>	<b>3.78</b>	<b>2.66</b>	<b>3.13</b>

Table 5 ComEd Benefits, Costs, and TRC Scores by Program

<i>Sector</i>	<i>Program</i>	<i>Total Benefits (10-Year Treasury Discount Rate, Without NEBs)</i>	<i>Total Benefits (10-Year Treasury Discount Rate, With NEBs)</i>	<i>Total Benefits (WACC Discount Rate, Without NEBs)</i>	<i>Total Benefits (WACC Discount Rate, With NEBs)</i>	<i>Total Costs</i>	<i>TRC (10-Year Treasury Discount Rate, Without NEBs)</i>	<i>TRC (10-Year Treasury Discount Rate, With NEBs)</i>	<i>TRC (WACC Discount Rate, Without NEBs)</i>	<i>TRC (WACC Discount Rate, With NEBs)</i>
Public Sector	Custom	\$14,666,098	\$16,866,013	\$11,317,981	\$13,015,678	\$5,029,566	2.92	3.35	2.25	2.59
	Standard	\$36,670,379	\$42,170,936	\$28,621,727	\$32,914,986	\$7,772,282	4.72	5.43	3.68	4.23
	New Construction	\$433,431	\$498,445	\$300,701	\$345,806	\$166,334	2.61	3.00	1.81	2.08
	Retro-Commissioning	\$8,568,584	\$9,853,872	\$6,579,921	\$7,566,910	\$2,488,331	3.44	3.96	2.64	3.04
	Boiler System Efficiency	\$0	\$0	\$0	\$0	\$0				
	STEP	\$2,008,802	\$2,310,123	\$1,664,283	\$1,913,925	\$485,892	4.13	4.75	3.43	3.94
	<b>Total</b>	<b>\$62,347,295</b>	<b>\$71,699,389</b>	<b>\$48,484,612</b>	<b>\$55,757,304</b>	<b>\$15,942,405</b>	<b>3.91</b>	<b>4.50</b>	<b>3.04</b>	<b>3.50</b>
Low Income	Residential Retrofit	\$5,642,595	\$7,335,373	\$4,161,711	\$5,410,225	\$3,291,274	1.71	2.23	1.26	1.64
	Affordable New Construction	\$1,816,152	\$2,360,998	\$1,327,944	\$1,726,328	\$2,742,686	0.66	0.86	0.48	0.63
	Public Housing Authority	\$1,199,522	\$1,559,379	\$949,221	\$1,233,988	\$1,267,853	0.95	1.23	0.75	0.97
	<b>Total</b>	<b>\$8,658,270</b>	<b>\$11,255,750</b>	<b>\$6,438,877</b>	<b>\$8,370,540</b>	<b>\$7,301,813</b>	<b>1.19</b>	<b>1.54</b>	<b>0.88</b>	<b>1.15</b>
Market Transformation	SEDAC	\$1,381,998	\$1,589,298	\$1,077,516	\$1,239,144	\$1,771,976	0.78	0.90	0.61	0.70
	K-12 Energy Efficiency	\$7,496	\$8,621	\$6,533	\$7,513	\$284,118	0.03	0.03	0.02	0.03
	Building Operator Certification	\$785,639	\$903,484	\$655,193	\$753,472	\$297,605	2.64	3.04	2.20	2.53
	Data Center	\$0	\$0	\$0	\$0	\$287,236	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>\$2,175,133</b>	<b>\$2,501,403</b>	<b>\$1,739,243</b>	<b>\$2,000,129</b>	<b>\$2,640,935</b>	<b>0.82</b>	<b>0.95</b>	<b>0.66</b>	<b>0.76</b>
<b>Portfolio Non-Program Costs</b>						<b>\$3,692,731</b>				
<b>Grand Total</b>		<b>\$73,180,697</b>	<b>\$85,456,542</b>	<b>\$56,662,732</b>	<b>\$66,127,974</b>	<b>\$29,577,884</b>	<b>2.47</b>	<b>2.89</b>	<b>1.92</b>	<b>2.24</b>

Table 6 Ameren Gas Benefits, Costs, and TRC Scores by Program

Sector	Program	Total Benefits (10-Year Treasury Discount Rate, Without NEBs)	Total Benefits (10-Year Treasury Discount Rate, With NEBs)	Total Benefits (WACC Discount Rate, Without NEBs)	Total Benefits (WACC Discount Rate, With NEBs)	Total Costs	TRC (10-Year Treasury Discount Rate, Without NEBs)	TRC (10-Year Treasury Discount Rate, With NEBs)	TRC (WACC Discount Rate, Without NEBs)	TRC (WACC Discount Rate, With NEBs)
Public Sector	Custom	\$1,887,865	\$2,171,045	\$1,590,400	\$1,828,960	\$578,318	3.26	3.75	2.75	3.16
	Standard	\$280,927	\$323,066	\$232,458	\$267,326	\$198,347	1.42	1.63	1.17	1.35
	New Construction	\$108,258	\$124,496	\$87,008	\$100,059	\$26,630	4.06	4.67	3.27	3.76
	Retro-Commissioning	\$1,073,460	\$1,234,480	\$928,920	\$1,068,258	\$212,648	5.05	5.81	4.37	5.02
	Boiler System Efficiency	\$1,702,813	\$1,958,235	\$1,514,338	\$1,741,489	\$143,909	11.83	13.61	10.52	12.10
	STEP	\$230,365	\$264,920	\$211,014	\$242,667	\$28,524	8.08	9.29	7.40	8.51
	<b>Total</b>	<b>\$5,283,689</b>	<b>\$6,076,242</b>	<b>\$4,564,139</b>	<b>\$5,248,759</b>	<b>\$1,188,377</b>	<b>4.45</b>	<b>5.11</b>	<b>3.84</b>	<b>4.42</b>
Low Income	Residential Retrofit	\$4,239,316	\$5,511,110	\$3,435,838	\$4,466,589	\$969,886	4.37	5.68	3.54	4.61
	Affordable New Construction	\$66,414	\$86,339	\$54,088	\$70,314	\$105,001	0.63	0.82	0.52	0.67
	Public Housing Authority	\$612,564	\$796,334	\$495,942	\$644,725	\$258,062	2.37	3.09	1.92	2.50
	<b>Total</b>	<b>\$4,918,294</b>	<b>\$6,393,783</b>	<b>\$3,985,868</b>	<b>\$5,181,628</b>	<b>\$1,332,949</b>	<b>3.69</b>	<b>4.80</b>	<b>2.99</b>	<b>3.89</b>
Market Transformation	SEDAC	\$45,579	\$52,416	\$37,996	\$43,695	\$140,232	0.33	0.37	0.27	0.31
	K-12 Energy Efficiency	\$0	\$0	\$0	\$0	\$0				
	Building Operator Certification	\$0	\$0	\$0	\$0	\$13,531	0.00	0.00	0.00	0.00
	Data Center	\$0	\$0	\$0	\$0	\$0				
	<b>Total</b>	<b>\$45,579</b>	<b>\$52,416</b>	<b>\$37,996</b>	<b>\$43,695</b>	<b>\$153,763</b>	<b>0.30</b>	<b>0.34</b>	<b>0.25</b>	<b>0.28</b>
Portfolio Non-Program Costs						<b>\$465,891</b>				
Grand Total		<b>\$10,247,562</b>	<b>\$12,522,441</b>	<b>\$8,588,002</b>	<b>\$10,474,082</b>	<b>\$3,140,980</b>	<b>3.26</b>	<b>3.99</b>	<b>2.73</b>	<b>3.33</b>



Table 7 Nicor Benefits, Costs, and TRC Scores by Program

<i>Sector</i>	<i>Program</i>	<i>Total Benefits (10-Year Treasury Discount Rate, Without NEBs)</i>	<i>Total Benefits (10-Year Treasury Discount Rate, With NEBs)</i>	<i>Total Benefits (WACC Discount Rate, Without NEBs)</i>	<i>Total Benefits (WACC Discount Rate, With NEBs)</i>	<i>Total Costs</i>	<i>TRC (10-Year Treasury Discount Rate, Without NEBs)</i>	<i>TRC (10-Year Treasury Discount Rate, With NEBs)</i>	<i>TRC (WACC Discount Rate, Without NEBs)</i>	<i>TRC (WACC Discount Rate, With NEBs)</i>
Public Sector	Custom	\$2,693,735	\$3,097,795	\$1,880,887	\$2,163,020	\$1,860,189	1.45	1.67	1.01	1.16
	Standard	\$629,254	\$723,643	\$398,767	\$458,582	\$146,423	4.30	4.94	2.72	3.13
	New Construction	\$1,455,133	\$1,673,402	\$909,020	\$1,045,373	\$379,152	3.84	4.41	2.40	2.76
	Retro-Commissioning	\$2,251,783	\$2,589,551	\$1,640,828	\$1,886,952	\$646,840	3.48	4.00	2.54	2.92
	Boiler System Efficiency	\$1,957,716	\$2,251,374	\$1,546,223	\$1,778,156	\$193,552	10.11	11.63	7.99	9.19
	STEP	\$123,297	\$141,791	\$98,447	\$113,214	\$67,225	1.83	2.11	1.46	1.68
	<b>Total</b>	<b>\$9,110,918</b>	<b>\$10,477,556</b>	<b>\$6,474,171</b>	<b>\$7,445,297</b>	<b>\$3,293,381</b>	<b>2.77</b>	<b>3.18</b>	<b>1.97</b>	<b>2.26</b>
Low Income	Residential Retrofit	\$2,857,780	\$3,715,114	\$1,839,747	\$2,391,671	\$1,125,958	2.54	3.30	1.63	2.12
	Affordable New Construction	\$487,734	\$634,054	\$312,007	\$405,609	\$536,042	0.91	1.18	0.58	0.76
	Public Housing Authority	\$780,592	\$1,014,770	\$457,906	\$595,278	\$164,012	4.76	6.19	2.79	3.63
	<b>Total</b>	<b>\$4,126,106</b>	<b>\$5,363,937</b>	<b>\$2,609,660</b>	<b>\$3,392,558</b>	<b>\$1,826,012</b>	<b>2.26</b>	<b>2.94</b>	<b>1.43</b>	<b>1.86</b>
Market Transformation	SEDAC	\$62,892	\$72,325	\$44,646	\$51,342	\$440,332	0.14	0.16	0.10	0.12
	K-12 Energy Efficiency	\$0	\$0	\$0	\$0	\$0				
	Building Operator Certification	\$0	\$0	\$0	\$0	\$49,087	0.00	0.00	0.00	0.00
	Data Center	\$0	\$0	\$0	\$0	\$0				
	<b>Total</b>	<b>\$62,892</b>	<b>\$72,325</b>	<b>\$44,646</b>	<b>\$51,342</b>	<b>\$489,420</b>	<b>0.13</b>	<b>0.15</b>	<b>0.09</b>	<b>0.10</b>
<b>Portfolio Non-Program Costs</b>						<b>\$1,201,306</b>				
<b>Grand Total</b>		<b>\$13,299,915</b>	<b>\$15,913,819</b>	<b>\$9,128,477</b>	<b>\$10,889,198</b>	<b>\$6,810,119</b>	<b>1.95</b>	<b>2.34</b>	<b>1.34</b>	<b>1.60</b>

Table 8 North Shore Benefits, Costs, and TRC Scores by Program

<i>Sector</i>	<i>Program</i>	<i>Total Benefits (10-Year Treasury Discount Rate, Without NEBs)</i>	<i>Total Benefits (10-Year Treasury Discount Rate, With NEBs)</i>	<i>Total Benefits (WACC Discount Rate, Without NEBs)</i>	<i>Total Benefits (WACC Discount Rate, With NEBs)</i>	<i>Total Costs</i>	<i>TRC (10-Year Treasury Discount Rate, Without NEBs)</i>	<i>TRC (10-Year Treasury Discount Rate, With NEBs)</i>	<i>TRC (WACC Discount Rate, Without NEBs)</i>	<i>TRC (WACC Discount Rate, With NEBs)</i>
Public Sector	Custom	\$1,236,204	\$1,421,635	\$991,251	\$1,139,939	\$450,231	2.75	3.16	2.20	2.53
	Standard	\$52,972	\$60,918	\$39,512	\$45,439	\$4,997	10.60	12.19	7.91	9.09
	New Construction	\$0	\$0	\$0	\$0	\$3,492	0.00	0.00	0.00	0.00
	Retro-Commissioning	\$36,923	\$42,461	\$34,690	\$39,893	\$48,191	0.77	0.88	0.72	0.83
	Boiler System Efficiency	\$130,576	\$150,162	\$105,090	\$120,854	\$42,860	3.05	3.50	2.45	2.82
	STEP	\$7,963	\$9,157	\$7,059	\$8,118	\$8,502	0.94	1.08	0.83	0.95
	<b>Total</b>	<b>\$1,464,638</b>	<b>\$1,684,333</b>	<b>\$1,177,603</b>	<b>\$1,354,244</b>	<b>\$558,274</b>	<b>2.62</b>	<b>3.02</b>	<b>2.11</b>	<b>2.43</b>
Low Income	Residential Retrofit	\$488,967	\$635,658	\$378,561	\$492,130	\$92,087	5.31	6.90	4.11	5.34
	Affordable New Construction	\$0	\$0	\$0	\$0	\$0				
	Public Housing Authority	\$22,064	\$28,683	\$20,729	\$26,948	\$17,215	1.28	1.67	1.20	1.57
	<b>Total</b>	<b>\$511,031</b>	<b>\$664,340</b>	<b>\$399,291</b>	<b>\$519,078</b>	<b>\$109,302</b>	<b>4.68</b>	<b>6.08</b>	<b>3.65</b>	<b>4.75</b>
Market Transformation	SEDAC	\$740	\$851	\$711	\$818	\$48,596	0.02	0.02	0.01	0.02
	K-12 Energy Efficiency	\$0	\$0	\$0	\$0	\$0				
	Building Operator Certification	\$0	\$0	\$0	\$0	\$5,349	0.00	0.00	0.00	0.00
	Data Center	\$0	\$0	\$0	\$0	\$0				
	<b>Total</b>	<b>\$740</b>	<b>\$851</b>	<b>\$711</b>	<b>\$818</b>	<b>\$53,945</b>	<b>0.01</b>	<b>0.02</b>	<b>0.01</b>	<b>0.02</b>
<b>Portfolio Non-Program Costs</b>						<b>\$62,471</b>				
<b>Grand Total</b>		<b>\$1,976,409</b>	<b>\$2,349,525</b>	<b>\$1,577,605</b>	<b>\$1,874,140</b>	<b>\$783,993</b>	<b>2.52</b>	<b>3.00</b>	<b>2.01</b>	<b>2.39</b>

Table 9 Peoples Benefits, Costs, and TRC Scores by Program

<i>Sector</i>	<i>Program</i>	<i>Total Benefits (10-Year Treasury Discount Rate, Without NEBs)</i>	<i>Total Benefits (10-Year Treasury Discount Rate, With NEBs)</i>	<i>Total Benefits (WACC Discount Rate, Without NEBs)</i>	<i>Total Benefits (WACC Discount Rate, With NEBs)</i>	<i>Total Costs</i>	<i>TRC (10-Year Treasury Discount Rate, Without NEBs)</i>	<i>TRC (10-Year Treasury Discount Rate, With NEBs)</i>	<i>TRC (WACC Discount Rate, Without NEBs)</i>	<i>TRC (WACC Discount Rate, With NEBs)</i>
Public Sector	Custom	\$5,230,177	\$6,014,704	\$4,211,660	\$4,843,409	\$1,653,311	3.16	3.64	2.55	2.93
	Standard	\$523,076	\$601,538	\$398,606	\$458,397	\$54,579	9.58	11.02	7.30	8.40
	New Construction	\$0	\$0	\$0	\$0	\$14,180	0.00	0.00	0.00	0.00
	Retro-Commissioning	\$360,868	\$414,998	\$290,604	\$334,194	\$209,294	1.72	1.98	1.39	1.60
	Boiler System Efficiency	\$3,731,553	\$4,291,286	\$3,076,815	\$3,538,338	\$192,089	19.43	22.34	16.02	18.42
	STEP	\$635,498	\$730,823	\$553,620	\$636,663	\$36,498	17.41	20.02	15.17	17.44
	<b>Total</b>	<b>\$10,481,172</b>	<b>\$12,053,348</b>	<b>\$8,531,305</b>	<b>\$9,811,001</b>	<b>\$2,159,951</b>	<b>4.85</b>	<b>5.58</b>	<b>3.95</b>	<b>4.54</b>
Low Income	Residential Retrofit	\$7,261,700	\$9,440,210	\$5,317,482	\$6,912,726	\$1,463,232	4.96	6.45	3.63	4.72
	Affordable New Construction	\$592,951	\$770,836	\$442,011	\$574,614	\$637,472	0.93	1.21	0.69	0.90
	Public Housing Authority	\$2,061,190	\$2,679,548	\$1,615,128	\$2,099,666	\$192,448	10.71	13.92	8.39	10.91
	<b>Total</b>	<b>\$9,915,841</b>	<b>\$12,890,593</b>	<b>\$7,374,621</b>	<b>\$9,587,007</b>	<b>\$2,293,152</b>	<b>4.32</b>	<b>5.62</b>	<b>3.22</b>	<b>4.18</b>
Market Transformation	SEDAC	\$66,202	\$76,132	\$53,778	\$61,844	\$223,524	0.30	0.34	0.24	0.28
	K-12 Energy Efficiency	\$0	\$0	\$0	\$0	\$0				
	Building Operator Certification	\$0	\$0	\$0	\$0	\$22,341	0.00	0.00	0.00	0.00
	Data Center	\$0	\$0	\$0	\$0	\$0				
	<b>Total</b>	<b>\$66,202</b>	<b>\$76,132</b>	<b>\$53,778</b>	<b>\$61,844</b>	<b>\$245,865</b>	<b>0.27</b>	<b>0.31</b>	<b>0.22</b>	<b>0.25</b>
<b>Portfolio Non-Program Costs</b>						<b>\$587,606</b>				
<b>Grand Total</b>		<b>\$20,463,215</b>	<b>\$25,020,073</b>	<b>\$15,959,704</b>	<b>\$19,459,852</b>	<b>\$5,286,573</b>	<b>3.87</b>	<b>4.73</b>	<b>3.02</b>	<b>3.68</b>

Table 10 Portfolio Benefits, Costs, and TRC Scores by Program

<i>Sector</i>	<i>Program</i>	<i>Total Benefits (10-Year Treasury Discount Rate, Without NEBs)</i>	<i>Total Benefits (10-Year Treasury Discount Rate, With NEBs)</i>	<i>Total Benefits (WACC Discount Rate, Without NEBs)</i>	<i>Total Benefits (WACC Discount Rate, With NEBs)</i>	<i>Total Costs</i>	<i>TRC (10-Year Treasury Discount Rate, Without NEBs)</i>	<i>TRC (10-Year Treasury Discount Rate, With NEBs)</i>	<i>TRC (WACC Discount Rate, Without NEBs)</i>	<i>TRC (WACC Discount Rate, With NEBs)</i>
Public Sector	Custom	\$34,416,486	\$39,578,959	\$26,735,565	\$30,745,900	\$11,848,489	2.90	3.34	2.26	2.59
	Standard	\$49,785,062	\$57,252,822	\$39,717,100	\$45,674,665	\$9,845,803	5.06	5.81	4.03	4.64
	New Construction	\$6,358,342	\$7,312,093	\$4,801,186	\$5,521,364	\$1,139,607	5.58	6.42	4.21	4.84
	Retro-Commissioning	\$14,254,100	\$16,392,215	\$11,149,506	\$12,821,931	\$4,309,528	3.31	3.80	2.59	2.98
	Boiler System Efficiency	\$7,522,658	\$8,651,057	\$6,242,467	\$7,178,837	\$572,410	13.14	15.11	10.91	12.54
	STEP	\$3,473,996	\$3,995,096	\$2,949,587	\$3,392,025	\$778,598	4.46	5.13	3.79	4.36
	<b>Total</b>	<b>\$115,810,644</b>	<b>\$133,182,241</b>	<b>\$91,595,411</b>	<b>\$105,334,722</b>	<b>\$28,494,436</b>	<b>4.06</b>	<b>4.67</b>	<b>3.21</b>	<b>3.70</b>
Low Income	Residential Retrofit	\$24,791,124	\$32,228,461	\$18,718,338	\$24,333,840	\$8,478,995	2.92	3.80	2.21	2.87
	Affordable New Construction	\$4,269,284	\$5,550,069	\$3,219,062	\$4,184,781	\$4,705,092	0.91	1.18	0.68	0.89
	Public Housing Authority	\$5,588,942	\$7,265,625	\$4,296,412	\$5,585,335	\$2,629,792	2.13	2.76	1.63	2.12
	<b>Total</b>	<b>\$34,649,350</b>	<b>\$45,044,155</b>	<b>\$26,233,812</b>	<b>\$34,103,956</b>	<b>\$15,813,880</b>	<b>2.19</b>	<b>2.85</b>	<b>1.66</b>	<b>2.16</b>
Market Transformation	SEDAC	\$1,844,460	\$2,121,129	\$1,459,758	\$1,678,722	\$3,229,128	0.57	0.66	0.45	0.52
	K-12 Energy Efficiency	\$19,318	\$22,215	\$17,425	\$20,038	\$391,108	0.05	0.06	0.04	0.05
	Building Operator Certification	\$1,139,880	\$1,310,861	\$973,709	\$1,119,765	\$495,940	2.30	2.64	1.96	2.26
	Data Center	\$0	\$0	\$0	\$0	\$287,236	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>\$3,003,657</b>	<b>\$3,454,206</b>	<b>\$2,450,892</b>	<b>\$2,818,525</b>	<b>\$4,403,412</b>	<b>0.68</b>	<b>0.78</b>	<b>0.56</b>	<b>0.64</b>
<b>Portfolio Non-Program Costs</b>						<b>\$7,567,710</b>				
<b>Grand Total</b>		<b>\$153,463,652</b>	<b>\$181,680,602</b>	<b>\$120,280,115</b>	<b>\$142,257,204</b>	<b>\$56,279,437</b>	<b>2.73</b>	<b>3.23</b>	<b>2.14</b>	<b>2.53</b>

## 2.2 Detailed TRC Results

Detailed program-level and program sector-level<sup>6</sup> TRC results are presented below. The following tables present lifetime benefits discounted to present value using the 10-Year Treasury yield rate and utility WACC rates. The program benefits are presented in these categories:

1. *Avoided Electric Production*: Determined by using each IOUs projections for average annual costs of electric production.
2. *Avoided Electric Environmental*: The environmental benefits stemming from avoided CO<sub>2</sub> emissions valued at \$0.013875/kWh
3. *Avoided Electric Capacity*: A projection of the market price each IOU will have to pay during the peak hours of each year. An applicable load shape is applied to the savings for each program, and the resulting peak kW savings are matched up with the IOU-specific cost projection.
4. *Avoided Transmission and Distribution (T&D) Electric*: Also IOU-specific, this takes into account the amount of energy loss that exists between the power generation and the customer's residence.
5. *Avoided Ancillary*: Defined by the US Federal Energy Regulatory Commission as "those services necessary to support the transmission of electric power from seller to purchaser given the obligations of control areas and transmitting utilities within those control areas to maintain reliable operations of the interconnected transmission system."
6. *Avoided Gas Production*: The projected average annual cost of natural gas, applied for each IOU.
7. *Avoided Gas Capacity*: The cost of providing gas when the system is at peak demand. IOU specific values that are projected into the future.
8. *Non-Energy Benefits*: An adder included to account for non-energy benefits to participants from implementing energy efficiency measures valued at 15% for public sector and market transformation programs and 30% for low-income programs.

These separate categories of costs are reported:

1. *Net Incremental Costs*: These are costs that include total incremental costs of non-free riders. Net incremental costs also include payments made to third parties for the cost of study-based services.
2. *Non-Incentive Costs*: These are costs attributable to the implementation of each program. These include payments to contractors (in the case of direct install programs), salaries for program managers, EM&V costs. This category does not include any incentive payments that defray the incremental cost borne by program participants.
3. Portfolio-level non-incentive costs are not considered in program-level TRC and affect portfolio-level TRC only.<sup>7</sup>
4. *Incentives in Excess of Incremental Cost*: This category includes incentive costs in excess of measure incremental costs.

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<sup>6</sup> The program sectors are public sector, low-income, and market transformation.

<sup>7</sup> SEDAC energy assessment costs are treated as portfolio-level marketing costs, rather than program incentive costs.

Program benefits, costs, and TRC scores are shown for each program in Table 11 through Table 23. Table 24 shows benefits, costs and TRC scores for all public sector programs. Table 25 shows benefits, costs and TRC scores for all low-income programs. Table 26 shows benefits, costs and TRC scores for all market transformation programs. Table 27 shows benefits, costs and TRC scores for all programs in the portfolio. The portfolio TRC scores range from 2.14 to 3.23.

*Table 11 Custom Program Benefits, Costs, and TRC Scores by IOU*

<i>Values</i>		<i>Ameren- Ele</i>	<i>ComEd</i>	<i>Ameren- Gas</i>	<i>Nicor</i>	<i>North Shore</i>	<i>Peoples</i>	<i>Total</i>
Net kWh		9,252,437	16,091,467	0	0	0	0	25,343,904
Net kW		700.45	1,243.12	0.00	0.00	0.00	0.00	1,943.57
Net Therms		-46	-926	151,788	377,312	104,182	457,174	1,089,484
10-Year Treasury Discount Rate	Avoided Electric Production	\$7,179,364	\$12,074,497	\$0	\$0	\$0	\$0	\$19,253,861
	Avoided Electric Environmental	\$1,398,551	\$2,385,102	\$0	\$0	\$0	\$0	\$3,783,654
	Avoided Electric Capacity	\$0	\$20	\$0	\$0	\$0	\$0	\$20
	Avoided Electric T&D	\$0	\$184	\$0	\$0	\$0	\$0	\$184
	Avoided Electric Ancillary	\$124,948	\$217,400	\$0	\$0	\$0	\$0	\$342,348
	Avoided Gas Production	(\$439)	(\$10,658)	\$1,820,315	\$2,516,733	\$1,187,954	\$5,019,699	\$10,533,604
	Avoided Gas Capacity	(\$18)	(\$447)	\$67,550	\$177,002	\$48,250	\$210,478	\$502,815
	Total Benefits (Without NEBs)	\$8,702,406	\$14,666,098	\$1,887,865	\$2,693,735	\$1,236,204	\$5,230,177	\$34,416,486
	Non-Energy Benefits	\$1,305,361	\$2,199,915	\$283,180	\$404,060	\$185,431	\$784,527	\$5,162,473
	Total Benefits (With NEBs)	\$10,007,767	\$16,866,013	\$2,171,045	\$3,097,795	\$1,421,635	\$6,014,704	\$39,578,959
WACC Discount Rate	Avoided Electric Production	\$5,552,180	\$9,294,832	\$0	\$0	\$0	\$0	\$14,847,013
	Avoided Electric Environmental	\$1,096,811	\$1,865,268	\$0	\$0	\$0	\$0	\$2,962,079
	Avoided Electric Capacity	\$0	\$16	\$0	\$0	\$0	\$0	\$16
	Avoided Electric T&D	\$0	\$138	\$0	\$0	\$0	\$0	\$138
	Avoided Electric Ancillary	\$94,787	\$166,226	\$0	\$0	\$0	\$0	\$261,013
	Avoided Gas Production	(\$377)	(\$8,157)	\$1,533,641	\$1,757,596	\$952,595	\$4,042,205	\$8,277,503
	Avoided Gas Capacity	(\$16)	(\$342)	\$56,759	\$123,291	\$38,656	\$169,455	\$387,803
	Total Benefits (Without NEBs)	\$6,743,386	\$11,317,981	\$1,590,400	\$1,880,887	\$991,251	\$4,211,660	\$26,735,565
	Non-Energy Benefits	\$1,011,508	\$1,697,697	\$238,560	\$282,133	\$148,688	\$631,749	\$4,010,335
	Total Benefits (With NEBs)	\$7,754,893	\$13,015,678	\$1,828,960	\$2,163,020	\$1,139,939	\$4,843,409	\$30,745,900
Net Incremental Costs*		\$2,268,968	\$4,778,368	\$575,299	\$1,648,544	\$397,731	\$1,556,983	\$11,225,894
<i>Program-Borne Share (Incentives)</i>		\$1,582,451	\$3,342,940	\$504,575	\$1,506,719	\$350,664	\$1,312,236	\$8,599,586
<i>Participant-Borne Share</i>		\$686,517	\$1,435,427	\$70,724	\$141,824	\$47,067	\$244,747	\$2,626,307
Non-Incentive Costs		\$7,906	\$251,198	\$3,019	\$211,645	\$52,500	\$96,327	\$622,596
Incentives in Excess of Incremental Cost**		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs		\$2,276,874	\$5,029,566	\$578,318	\$1,860,189	\$450,231	\$1,653,311	\$11,848,489
10-Year Treasury Discount Rate	TRC (Without NEBs)	3.82	2.92	3.26	1.45	2.75	3.16	2.90
	TRC (With NEBs)	4.40	3.35	3.75	1.67	3.16	3.64	3.34
WACC Discount Rate	TRC (Without NEBs)	2.96	2.25	2.75	1.01	2.20	2.55	2.26
	TRC (With NEBs)	3.41	2.59	3.16	1.16	2.53	2.93	2.59

\* Includes total incremental cost of non-free riders and program-borne share of non-free riders incremental costs.

\*\*Not included in calculation of Total Resource Cost test.

*Table 12 Standard Program Benefits, Costs, and TRC Scores by IOU*

<i>Values</i>		<i>Ameren-Ele</i>	<i>ComEd</i>	<i>Ameren-Gas</i>	<i>Nicor</i>	<i>North Shore</i>	<i>Peoples</i>	<i>Total</i>
Net kWh		13,618,320	47,599,344	0	0	0	0	61,217,664
Net kW		1,120.96	4,040.82	0.00	0.00	0.00	0.00	5,161.78
Net Therms		-111,289	-301,464	19,787	68,113	3,291	36,322	-285,240
10-Year Treasury Discount Rate	Avoided Electric Production	\$10,021,312	\$30,979,877	\$0	\$0	\$0	\$0	\$41,001,189
	Avoided Electric Environmental	\$1,711,001	\$6,384,426	\$0	\$0	\$0	\$0	\$8,095,426
	Avoided Electric Capacity	\$308,988	\$147,292	\$0	\$0	\$0	\$0	\$456,280
	Avoided Electric T&D	\$379,318	\$1,327,336	\$0	\$0	\$0	\$0	\$1,706,654
	Avoided Electric Ancillary	\$350,663	\$1,499,013	\$0	\$0	\$0	\$0	\$1,849,675
	Avoided Gas Production	(\$1,096,840)	(\$3,519,985)	\$268,839	\$574,818	\$50,262	\$496,020	(\$3,226,885)
	Avoided Gas Capacity	(\$45,987)	(\$147,581)	\$12,088	\$54,436	\$2,710	\$27,056	(\$97,278)
	Total Benefits (Without NEBs)	\$11,628,454	\$36,670,379	\$280,927	\$629,254	\$52,972	\$523,076	\$49,785,062
	Non-Energy Benefits	\$1,744,268	\$5,500,557	\$42,139	\$94,388	\$7,946	\$78,461	\$7,467,759
	Total Benefits (With NEBs)	\$13,372,722	\$42,170,936	\$323,066	\$723,643	\$60,918	\$601,538	\$57,252,822
WACC Discount Rate	Avoided Electric Production	\$8,623,293	\$24,152,025	\$0	\$0	\$0	\$0	\$32,775,318
	Avoided Electric Environmental	\$1,502,069	\$5,028,666	\$0	\$0	\$0	\$0	\$6,530,735
	Avoided Electric Capacity	\$260,463	\$114,874	\$0	\$0	\$0	\$0	\$375,337
	Avoided Electric T&D	\$328,058	\$1,016,917	\$0	\$0	\$0	\$0	\$1,344,975
	Avoided Electric Ancillary	\$301,504	\$1,168,744	\$0	\$0	\$0	\$0	\$1,470,249
	Avoided Gas Production	(\$949,545)	(\$2,744,435)	\$222,464	\$364,329	\$37,491	\$378,047	(\$2,691,650)
	Avoided Gas Capacity	(\$39,811)	(\$115,065)	\$9,994	\$34,438	\$2,021	\$20,559	(\$87,864)
	Total Benefits (Without NEBs)	\$10,026,031	\$28,621,727	\$232,458	\$398,767	\$39,512	\$398,606	\$39,717,100
	Non-Energy Benefits	\$1,503,905	\$4,293,259	\$34,869	\$59,815	\$5,927	\$59,791	\$5,957,565
	Total Benefits (With NEBs)	\$11,529,936	\$32,914,986	\$267,326	\$458,582	\$45,439	\$458,397	\$45,674,665
Net Incremental Costs*		\$1,589,144	\$7,611,401	\$196,994	\$102,446	\$4,997	\$41,205	\$9,546,187
<i>Program-Borne Share (Incentives)</i>		\$1,153,737	\$5,488,299	\$55,594	\$53,712	\$4,181	\$20,932	\$6,776,455
<i>Participant-Borne Share</i>		\$435,407	\$2,123,102	\$141,400	\$48,734	\$817	\$20,273	\$2,769,732
Non-Incentive Costs		\$80,031	\$160,881	\$1,353	\$43,977	\$0	\$13,375	\$299,617
Incentives in Excess of Incremental Cost**		\$1,163,610	\$4,692,202	\$90,250	\$835,975	\$50,480	\$306,043	\$7,138,560
Total Costs		\$1,669,175	\$7,772,282	\$198,347	\$146,423	\$4,997	\$54,579	\$9,845,803
10-Year Treasury Discount Rate	TRC (Without NEBs)	6.97	4.72	1.42	4.30	10.60	9.58	5.06
	TRC (With NEBs)	8.01	5.43	1.63	4.94	12.19	11.02	5.81
WACC Discount Rate	TRC (Without NEBs)	6.01	3.68	1.17	2.72	7.91	7.30	4.03
	TRC (With NEBs)	6.91	4.23	1.35	3.13	9.09	8.40	4.64

\* Includes total incremental cost of non-free riders and program-borne share of non-free riders incremental costs.

\*\*Not included in calculation of Total Resource Cost test.



*Table 13 New Construction Program Benefits, Costs, and TRC Scores by IOU*

<i>Values</i>		<i>Ameren- Ele</i>	<i>ComEd</i>	<i>Ameren- Gas</i>	<i>Nicor</i>	<i>North Shore</i>	<i>Peoples</i>	<i>Total</i>
Net kWh		2,898,452	343,019	0	0	0	0	3,241,471
Net kW		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Net Therms		0	0	5,803	146,810	0	0	152,612
10-Year Treasury Discount Rate	Avoided Electric Production	\$3,810,662	\$365,600	\$0	\$0	\$0	\$0	\$4,176,261
	Avoided Electric Environmental	\$550,859	\$67,831	\$0	\$0	\$0	\$0	\$618,690
	Avoided Electric Capacity	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric T&D	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric Ancillary	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Gas Production	\$0	\$0	\$104,800	\$1,361,970	\$0	\$0	\$1,466,769
	Avoided Gas Capacity	\$0	\$0	\$3,458	\$93,163	\$0	\$0	\$96,621
	Total Benefits (Without NEBs)	\$4,361,521	\$433,431	\$108,258	\$1,455,133	\$0	\$0	\$6,358,342
	Non-Energy Benefits	\$654,228	\$65,015	\$16,239	\$218,270	\$0	\$0	\$953,751
	Total Benefits (With NEBs)	\$5,015,749	\$498,445	\$124,496	\$1,673,402	\$0	\$0	\$7,312,093
WACC Discount Rate	Avoided Electric Production	\$3,046,658	\$252,249	\$0	\$0	\$0	\$0	\$3,298,908
	Avoided Electric Environmental	\$457,799	\$48,452	\$0	\$0	\$0	\$0	\$506,251
	Avoided Electric Capacity	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric T&D	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric Ancillary	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Gas Production	\$0	\$0	\$84,229	\$850,821	\$0	\$0	\$935,050
	Avoided Gas Capacity	\$0	\$0	\$2,779	\$58,199	\$0	\$0	\$60,978
	Total Benefits (Without NEBs)	\$3,504,458	\$300,701	\$87,008	\$909,020	\$0	\$0	\$4,801,186
	Non-Energy Benefits	\$525,669	\$45,105	\$13,051	\$136,353	\$0	\$0	\$720,178
	Total Benefits (With NEBs)	\$4,030,126	\$345,806	\$100,059	\$1,045,373	\$0	\$0	\$5,521,364
Net Incremental Costs*		\$508,857	\$61,613	\$17,597	\$349,111	\$0	\$0	\$937,178
<i>Program-Borne Share (Incentives)</i>		\$357,990	\$28,795	\$17,001	\$296,907	\$0	\$0	\$700,694
<i>Participant-Borne Share</i>		\$150,866	\$32,818	\$596	\$52,204	\$0	\$0	\$236,484
Non-Incentive Costs		\$40,961	\$104,721	\$9,033	\$30,041	\$3,492	\$14,180	\$202,429
Incentives in Excess of Incremental Cost**		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs		\$549,818	\$166,334	\$26,630	\$379,152	\$3,492	\$14,180	\$1,139,607
10-Year Treasury Discount Rate	TRC (Without NEBs)	7.93	2.61	4.06	3.84	0.00	0.00	5.58
	TRC (With NEBs)	9.12	3.00	4.67	4.41	0.00	0.00	6.42
WACC Discount Rate	TRC (Without NEBs)	6.37	1.81	3.27	2.40	0.00	0.00	4.21
	TRC (With NEBs)	7.33	2.08	3.76	2.76	0.00	0.00	4.84

\* Includes total incremental cost of non-free riders and program-borne share of non-free riders incremental costs.

\*\*Not included in calculation of Total Resource Cost test.

*Table 14 Retro-Commissioning Program Benefits, Costs, and TRC Scores by IOU*

<i>Values</i>		<i>Ameren- Ele</i>	<i>ComEd</i>	<i>Ameren- Gas</i>	<i>Nicor</i>	<i>North Shore</i>	<i>Peoples</i>	<i>Total</i>
Net kWh		1,171,070	6,044,128	0	0	0	0	7,215,198
Net kW		55.71	325.38	0.00	0.00	0.00	0.00	381.09
Net Therms		0	-609	99,109	403,824	10,216	30,456	542,997
10-Year Treasury Discount Rate	Avoided Electric Production	\$1,789,898	\$7,582,631	\$0	\$0	\$0	\$0	\$9,372,529
	Avoided Electric Environmental	\$168,439	\$897,485	\$0	\$0	\$0	\$0	\$1,065,924
	Avoided Electric Capacity	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric T&D	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric Ancillary	\$4,145	\$89,269	\$0	\$0	\$0	\$0	\$93,414
	Avoided Gas Production	\$0	(\$769)	\$1,028,063	\$2,077,794	\$35,499	\$341,500	\$3,482,087
	Avoided Gas Capacity	\$0	(\$32)	\$45,398	\$173,990	\$1,424	\$19,368	\$240,147
	Total Benefits (Without NEBs)	\$1,962,481	\$8,568,584	\$1,073,460	\$2,251,783	\$36,923	\$360,868	\$14,254,100
	Non-Energy Benefits	\$294,372	\$1,285,288	\$161,019	\$337,767	\$5,538	\$54,130	\$2,138,115
	Total Benefits (With NEBs)	\$2,256,854	\$9,853,872	\$1,234,480	\$2,589,551	\$42,461	\$414,998	\$16,392,215
WACC Discount Rate	Avoided Electric Production	\$1,524,076	\$5,812,943	\$0	\$0	\$0	\$0	\$7,337,018
	Avoided Electric Environmental	\$146,897	\$699,455	\$0	\$0	\$0	\$0	\$846,351
	Avoided Electric Capacity	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric T&D	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric Ancillary	\$3,570	\$68,219	\$0	\$0	\$0	\$0	\$71,789
	Avoided Gas Production	\$0	(\$666)	\$889,721	\$1,513,501	\$33,352	\$275,007	\$2,710,914
	Avoided Gas Capacity	\$0	(\$28)	\$39,199	\$127,327	\$1,338	\$15,597	\$183,433
	Total Benefits (Without NEBs)	\$1,674,543	\$6,579,921	\$928,920	\$1,640,828	\$34,690	\$290,604	\$11,149,506
	Non-Energy Benefits	\$251,181	\$986,988	\$139,338	\$246,124	\$5,203	\$43,591	\$1,672,426
	Total Benefits (With NEBs)	\$1,925,724	\$7,566,910	\$1,068,258	\$1,886,952	\$39,893	\$334,194	\$12,821,931
Net Incremental Costs*		\$670,567	\$2,395,511	\$204,417	\$620,730	\$44,877	\$198,510	\$4,134,612
<i>Program-Borne Share (Incentives)</i>		\$564,059	\$1,717,895	\$151,009	\$436,451	\$38,929	\$181,080	\$3,089,424
<i>Participant-Borne Share</i>		\$106,507	\$677,616	\$53,408	\$184,279	\$5,948	\$17,430	\$1,045,188
Non-Incentive Costs		\$33,658	\$92,820	\$8,231	\$26,110	\$3,314	\$10,783	\$174,916
Incentives in Excess of Incremental Cost**		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs		\$704,225	\$2,488,331	\$212,648	\$646,840	\$48,191	\$209,294	\$4,309,528
10-Year Treasury Discount Rate	TRC (Without NEBs)	2.79	3.44	5.05	3.48	0.77	1.72	3.31
	TRC (With NEBs)	3.20	3.96	5.81	4.00	0.88	1.98	3.80
WACC Discount Rate	TRC (Without NEBs)	2.38	2.64	4.37	2.54	0.72	1.39	2.59
	TRC (With NEBs)	2.73	3.04	5.02	2.92	0.83	1.60	2.98

\* Includes total incremental cost of non-free riders and program-borne share of non-free riders incremental costs.

\*\*Not included in calculation of Total Resource Cost test.

*Table 15 Boiler System Efficiency Program Benefits, Costs, and TRC Scores by IOU*

<i>Values</i>		<i>Ameren- Ele</i>	<i>ComEd</i>	<i>Ameren- Gas</i>	<i>Nicor</i>	<i>North Shore</i>	<i>Peoples</i>	<i>Total</i>
Net kWh		0	0	0	0	0	0	0
Net kW		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Net Therms		0	0	221,279	597,253	11,413	413,845	1,243,790
10-Year Treasury Discount Rate	Avoided Electric Production	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric Environmental	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric Capacity	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric T&D	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric Ancillary	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Gas Production	\$0	\$0	\$1,647,870	\$1,825,881	\$125,529	\$3,581,714	\$7,180,993
	Avoided Gas Capacity	\$0	\$0	\$54,942	\$131,836	\$5,047	\$149,839	\$341,665
	Total Benefits (Without NEBs)	\$0	\$0	\$1,702,813	\$1,957,716	\$130,576	\$3,731,553	\$7,522,658
	Non-Energy Benefits	\$0	\$0	\$255,422	\$293,657	\$19,586	\$559,733	\$1,128,399
	Total Benefits (With NEBs)	\$0	\$0	\$1,958,235	\$2,251,374	\$150,162	\$4,291,286	\$8,651,057
WACC Discount Rate	Avoided Electric Production	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric Environmental	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric Capacity	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric T&D	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric Ancillary	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Gas Production	\$0	\$0	\$1,465,428	\$1,441,053	\$101,027	\$2,953,255	\$5,960,763
	Avoided Gas Capacity	\$0	\$0	\$48,910	\$105,170	\$4,064	\$123,560	\$281,704
	Total Benefits (Without NEBs)	\$0	\$0	\$1,514,338	\$1,546,223	\$105,090	\$3,076,815	\$6,242,467
	Non-Energy Benefits	\$0	\$0	\$227,151	\$231,933	\$15,764	\$461,522	\$936,370
	Total Benefits (With NEBs)	\$0	\$0	\$1,741,489	\$1,778,156	\$120,854	\$3,538,338	\$7,178,837
Net Incremental Costs*		\$0	\$0	\$109,891	\$139,597	\$36,360	\$146,962	\$432,810
<i>Program-Borne Share (Incentives)</i>		\$0	\$0	\$102,391	\$101,622	\$20,396	\$100,640	\$325,050
<i>Participant-Borne Share</i>		\$0	\$0	\$7,500	\$37,975	\$15,964	\$46,322	\$107,760
Non-Incentive Costs		\$0	\$0	\$34,018	\$53,955	\$6,500	\$45,127	\$139,600
Incentives in Excess of Incremental Cost**		\$0	\$0	\$178,203	\$381,377	\$9,195	\$57,781	\$626,556
Total Costs		\$0	\$0	\$143,909	\$193,552	\$42,860	\$192,089	\$572,410
10-Year Treasury Discount Rate	TRC (Without NEBs)			11.83	10.11	3.05	19.43	13.14
	TRC (With NEBs)			13.61	11.63	3.50	22.34	15.11
WACC Discount Rate	TRC (Without NEBs)			10.52	7.99	2.45	16.02	10.91
	TRC (With NEBs)			12.10	9.19	2.82	18.42	12.54

\* Includes total incremental cost of non-free riders and program-borne share of non-free riders incremental costs.

\*\*Not included in calculation of Total Resource Cost test.

*Table 16 STEP Program Benefits, Costs, and TRC Scores by IOU*

<i>Values</i>		<i>Ameren- Ele</i>	<i>ComEd</i>	<i>Ameren- Gas</i>	<i>Nicor</i>	<i>North Shore</i>	<i>Peoples</i>	<i>Total</i>
Net kWh		778,644	3,198,470	0	0	0	0	3,977,114
Net kW		125.62	620.51	0.00	0.00	0.00	0.00	746.14
Net Therms		-16,078	-62,695	33,301	28,198	1,272	86,435	70,434
10-Year Treasury Discount Rate	Avoided Electric Production	\$391,697	\$1,607,805	\$0	\$0	\$0	\$0	\$1,999,502
	Avoided Electric Environmental	\$71,112	\$333,794	\$0	\$0	\$0	\$0	\$404,906
	Avoided Electric Capacity	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric T&D	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric Ancillary	\$5,262	\$67,203	\$0	\$0	\$0	\$0	\$72,466
	Avoided Gas Production	\$0	\$0	\$223,006	\$115,403	\$7,644	\$601,704	\$947,757
	Avoided Gas Capacity	\$0	\$0	\$7,359	\$7,894	\$319	\$33,794	\$49,365
	Total Benefits (Without NEBs)	\$468,071	\$2,008,802	\$230,365	\$123,297	\$7,963	\$635,498	\$3,473,996
	Non-Energy Benefits	\$70,211	\$301,320	\$34,555	\$18,495	\$1,194	\$95,325	\$521,099
	Total Benefits (With NEBs)	\$538,282	\$2,310,123	\$264,920	\$141,791	\$9,157	\$730,823	\$3,995,096
WACC Discount Rate	Avoided Electric Production	\$346,277	\$1,328,892	\$0	\$0	\$0	\$0	\$1,675,169
	Avoided Electric Environmental	\$64,199	\$279,017	\$0	\$0	\$0	\$0	\$343,216
	Avoided Electric Capacity	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric T&D	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric Ancillary	\$4,687	\$56,374	\$0	\$0	\$0	\$0	\$61,061
	Avoided Gas Production	\$0	\$0	\$204,274	\$92,144	\$6,776	\$524,184	\$827,379
	Avoided Gas Capacity	\$0	\$0	\$6,740	\$6,303	\$283	\$29,436	\$42,763
	Total Benefits (Without NEBs)	\$415,163	\$1,664,283	\$211,014	\$98,447	\$7,059	\$553,620	\$2,949,587
	Non-Energy Benefits	\$62,274	\$249,642	\$31,652	\$14,767	\$1,059	\$83,043	\$442,438
	Total Benefits (With NEBs)	\$477,437	\$1,913,925	\$242,667	\$113,214	\$8,118	\$636,663	\$3,392,025
Net Incremental Costs*		\$88,160	\$303,083	\$17,208	\$28,872	\$3,751	\$25,310	\$466,384
<i>Program-Borne Share (Incentives)</i>		\$88,160	\$303,083	\$11,444	\$26,845	\$2,729	\$23,551	\$455,811
<i>Participant-Borne Share</i>		\$0	\$0	\$5,764	\$2,028	\$1,022	\$1,759	\$10,573
Non-Incentive Costs		\$63,796	\$182,808	\$11,316	\$38,353	\$4,751	\$11,189	\$312,214
Incentives in Excess of Incremental Cost**		\$115,276	\$285,848	\$0	\$0	\$0	\$0	\$401,124
Total Costs		\$151,956	\$485,892	\$28,524	\$67,225	\$8,502	\$36,498	\$778,597
10-Year Treasury Discount Rate	TRC (Without NEBs)	3.08	4.13	8.08	1.83	0.94	17.41	4.46
	TRC (With NEBs)	3.54	4.75	9.29	2.11	1.08	20.02	5.13
WACC Discount Rate	TRC (Without NEBs)	2.73	3.43	7.40	1.46	0.83	15.17	3.79
	TRC (With NEBs)	3.14	3.94	8.51	1.68	0.95	17.44	4.36

\* Includes total incremental cost of non-free riders and program-borne share of non-free riders incremental costs.

\*\*Not included in calculation of Total Resource Cost test.

*Table 17 Residential Retrofit Program Benefits, Costs, and TRC Scores by IOU*

<i>Values</i>		<i>Ameren- Ele</i>	<i>ComEd</i>	<i>Ameren- Gas</i>	<i>Nicor</i>	<i>North Shore</i>	<i>Peoples</i>	<i>Total</i>
Net kWh		3,439,050	5,137,788	0	0	0	0	8,576,838
Net kW		1,129.36	1,825.70	0.00	0.00	0.00	0.00	2,955.06
Net Therms		-6,507	-14,918	250,297	324,876	36,328	440,701	1,030,779
10-Year Treasury Discount Rate	Avoided Electric Production	\$3,725,682	\$4,607,555	\$0	\$0	\$0	\$0	\$8,333,237
	Avoided Electric Environmental	\$477,676	\$735,097	\$0	\$0	\$0	\$0	\$1,212,773
	Avoided Electric Capacity	\$16,351	\$9,668	\$0	\$0	\$0	\$0	\$26,019
	Avoided Electric T&D	\$22,447	\$84,065	\$0	\$0	\$0	\$0	\$106,511
	Avoided Electric Ancillary	\$97,276	\$325,571	\$0	\$0	\$0	\$0	\$422,847
	Avoided Gas Production	(\$36,951)	(\$114,067)	\$4,055,927	\$2,606,936	\$464,095	\$6,865,555	\$13,841,495
	Avoided Gas Capacity	(\$1,715)	(\$5,294)	\$183,389	\$250,844	\$24,873	\$396,145	\$848,241
	Total Benefits (Without NEBs)	\$4,300,766	\$5,642,595	\$4,239,316	\$2,857,780	\$488,967	\$7,261,700	\$24,791,124
	Non-Energy Benefits	\$1,290,230	\$1,692,778	\$1,271,795	\$857,334	\$146,690	\$2,178,510	\$7,437,337
	Total Benefits (With NEBs)	\$5,590,996	\$7,335,373	\$5,511,110	\$3,715,114	\$635,658	\$9,440,210	\$32,228,461
WACC Discount Rate	Avoided Electric Production	\$3,092,796	\$3,389,057	\$0	\$0	\$0	\$0	\$6,481,853
	Avoided Electric Environmental	\$412,201	\$562,314	\$0	\$0	\$0	\$0	\$974,514
	Avoided Electric Capacity	\$14,441	\$8,112	\$0	\$0	\$0	\$0	\$22,553
	Avoided Electric T&D	\$20,324	\$69,781	\$0	\$0	\$0	\$0	\$90,105
	Avoided Electric Ancillary	\$80,787	\$235,034	\$0	\$0	\$0	\$0	\$315,821
	Avoided Gas Production	(\$33,973)	(\$98,037)	\$3,287,228	\$1,678,440	\$359,320	\$5,027,076	\$10,220,053
	Avoided Gas Capacity	(\$1,577)	(\$4,550)	\$148,610	\$161,308	\$19,241	\$290,406	\$613,438
	Total Benefits (Without NEBs)	\$3,584,999	\$4,161,711	\$3,435,838	\$1,839,747	\$378,561	\$5,317,482	\$18,718,338
	Non-Energy Benefits	\$1,075,500	\$1,248,513	\$1,030,751	\$551,924	\$113,568	\$1,595,245	\$5,615,501
	Total Benefits (With NEBs)	\$4,660,498	\$5,410,225	\$4,466,589	\$2,391,671	\$492,130	\$6,912,726	\$24,333,840
Net Incremental Costs*		\$1,411,750	\$3,134,953	\$962,253	\$1,116,958	\$90,287	\$1,453,517	\$8,169,717
<i>Program-Borne Share (Incentives)</i>		\$881,988	\$2,311,197	\$406,307	\$473,640	\$31,926	\$606,817	\$4,711,875
<i>Participant-Borne Share</i>		\$529,762	\$823,755	\$555,946	\$643,318	\$58,361	\$846,700	\$3,457,842
Non-Incentive Costs		\$124,809	\$156,321	\$7,633	\$9,000	\$1,800	\$9,715	\$309,278
Incentives in Excess of Incremental Cost**		\$849,862	\$1,884,350	\$249,235	\$217,360	\$66,274	\$168,023	\$3,435,104
Total Costs		\$1,536,559	\$3,291,274	\$969,886	\$1,125,958	\$92,087	\$1,463,232	\$8,478,995
10-Year Treasury Discount Rate	TRC (Without NEBs)	2.80	1.71	4.37	2.54	5.31	4.96	2.92
	TRC (With NEBs)	3.64	2.23	5.68	3.30	6.90	6.45	3.80
WACC Discount Rate	TRC (Without NEBs)	2.33	1.26	3.54	1.63	4.11	3.63	2.21
	TRC (With NEBs)	3.03	1.64	4.61	2.12	5.34	4.72	2.87

\* Includes total incremental cost of non-free riders and program-borne share of non-free riders incremental costs.

\*\*Not included in calculation of Total Resource Cost test.

*Table 18 Affordable New Construction Program Benefits, Costs, and TRC Scores by IOU*

<i>Values</i>		<i>Ameren- Ele</i>	<i>ComEd</i>	<i>Ameren- Gas</i>	<i>Nicor</i>	<i>North Shore</i>	<i>Peoples</i>	<i>Total</i>
Net kWh		950,161	1,674,479	0	0	0	0	2,624,640
Net kW		381.31	341.01	0.00	0.00	0.00	0.00	722.31
Net Therms		-4,198	-15,356	3,982	55,960	0	39,163	79,551
10-Year Treasury Discount Rate	Avoided Electric Production	\$1,161,807	\$1,639,567	\$0	\$0	\$0	\$0	\$2,801,374
	Avoided Electric Environmental	\$143,613	\$246,573	\$0	\$0	\$0	\$0	\$390,187
	Avoided Electric Capacity	\$4,615	\$6,373	\$0	\$0	\$0	\$0	\$10,988
	Avoided Electric T&D	\$5,695	\$57,656	\$0	\$0	\$0	\$0	\$63,352
	Avoided Electric Ancillary	\$32,647	\$50,881	\$0	\$0	\$0	\$0	\$83,528
	Avoided Gas Production	(\$40,467)	(\$176,697)	\$63,212	\$441,140	\$0	\$559,168	\$846,356
	Avoided Gas Capacity	(\$1,878)	(\$8,201)	\$3,202	\$46,594	\$0	\$33,783	\$73,500
	Total Benefits (Without NEBs)	\$1,306,032	\$1,816,152	\$66,414	\$487,734	\$0	\$592,951	\$4,269,284
	Non-Energy Benefits	\$391,810	\$544,846	\$19,924	\$146,320	\$0	\$177,885	\$1,280,785
	Total Benefits (With NEBs)	\$1,697,842	\$2,360,998	\$86,339	\$634,054	\$0	\$770,836	\$5,550,069
WACC Discount Rate	Avoided Electric Production	\$960,174	\$1,198,192	\$0	\$0	\$0	\$0	\$2,158,365
	Avoided Electric Environmental	\$123,030	\$186,737	\$0	\$0	\$0	\$0	\$309,768
	Avoided Electric Capacity	\$3,885	\$4,892	\$0	\$0	\$0	\$0	\$8,777
	Avoided Electric T&D	\$4,926	\$43,346	\$0	\$0	\$0	\$0	\$48,272
	Avoided Electric Ancillary	\$27,404	\$36,289	\$0	\$0	\$0	\$0	\$63,693
	Avoided Gas Production	(\$34,792)	(\$135,235)	\$51,483	\$282,290	\$0	\$416,927	\$580,672
	Avoided Gas Capacity	(\$1,615)	(\$6,277)	\$2,605	\$29,717	\$0	\$25,084	\$49,515
	Total Benefits (Without NEBs)	\$1,083,012	\$1,327,944	\$54,088	\$312,007	\$0	\$442,011	\$3,219,062
	Non-Energy Benefits	\$324,904	\$398,383	\$16,226	\$93,602	\$0	\$132,603	\$965,719
	Total Benefits (With NEBs)	\$1,407,916	\$1,726,328	\$70,314	\$405,609	\$0	\$574,614	\$4,184,781
Net Incremental Costs*		\$668,960	\$2,703,347	\$101,104	\$524,322	\$0	\$631,037	\$4,628,770
<i>Program-Borne Share (Incentives)</i>		\$668,960	\$2,703,347	\$101,104	\$524,322	\$0	\$631,037	\$4,628,770
<i>Participant-Borne Share</i>		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-Incentive Costs		\$14,931	\$39,339	\$3,897	\$11,720	\$0	\$6,435	\$76,322
Incentives in Excess of Incremental Cost**		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs		\$683,891	\$2,742,686	\$105,001	\$536,042	\$0	\$637,472	\$4,705,092
10-Year Treasury Discount Rate	TRC (Without NEBs)	1.91	0.66	0.63	0.91		0.93	0.91
	TRC (With NEBs)	2.48	0.86	0.82	1.18		1.21	1.18
WACC Discount Rate	TRC (Without NEBs)	1.58	0.48	0.52	0.58		0.69	0.68
	TRC (With NEBs)	2.06	0.63	0.67	0.76		0.90	0.89

\* Includes total incremental cost of non-free riders and program-borne share of non-free riders incremental costs.

\*\*Not included in calculation of Total Resource Cost test.

*Table 19 Public Housing Authority Program Benefits, Costs, and TRC Scores by IOU*

<i>Values</i>		<i>Ameren- Ele</i>	<i>ComEd</i>	<i>Ameren- Gas</i>	<i>Nicor</i>	<i>North Shore</i>	<i>Peoples</i>	<i>Total</i>
Net kWh		559,223	1,804,949	0	0	0	0	2,364,172
Net kW		210.02	188.12	0.00	0.00	0.00	0.00	398.14
Net Therms		-2,432	-11,551	36,282	71,891	6,035	187,028	287,253
10-Year Treasury Discount Rate	Avoided Electric Production	\$827,443	\$1,028,447	\$0	\$0	\$0	\$0	\$1,855,890
	Avoided Electric Environmental	\$80,101	\$204,965	\$0	\$0	\$0	\$0	\$285,066
	Avoided Electric Capacity	\$2,961	\$6,483	\$0	\$0	\$0	\$0	\$9,444
	Avoided Electric T&D	\$3,976	\$56,826	\$0	\$0	\$0	\$0	\$60,802
	Avoided Electric Ancillary	\$17,725	\$13,211	\$0	\$0	\$0	\$0	\$30,936
	Avoided Gas Production	(\$18,344)	(\$105,512)	\$582,907	\$702,749	\$20,969	\$1,943,764	\$3,126,533
	Avoided Gas Capacity	(\$851)	(\$4,897)	\$29,657	\$77,843	\$1,094	\$117,426	\$220,272
	Total Benefits (Without NEBs)	\$913,010	\$1,199,522	\$612,564	\$780,592	\$22,064	\$2,061,190	\$5,588,942
	Non-Energy Benefits	\$273,903	\$359,857	\$183,769	\$234,178	\$6,619	\$618,357	\$1,676,683
	Total Benefits (With NEBs)	\$1,186,913	\$1,559,379	\$796,334	\$1,014,770	\$28,683	\$2,679,548	\$7,265,625
WACC Discount Rate	Avoided Electric Production	\$684,885	\$812,028	\$0	\$0	\$0	\$0	\$1,496,914
	Avoided Electric Environmental	\$69,102	\$165,420	\$0	\$0	\$0	\$0	\$234,522
	Avoided Electric Capacity	\$2,617	\$5,337	\$0	\$0	\$0	\$0	\$7,954
	Avoided Electric T&D	\$3,595	\$46,120	\$0	\$0	\$0	\$0	\$49,715
	Avoided Electric Ancillary	\$14,663	\$9,695	\$0	\$0	\$0	\$0	\$24,358
	Avoided Gas Production	(\$16,607)	(\$85,415)	\$471,936	\$412,243	\$19,701	\$1,523,373	\$2,325,232
	Avoided Gas Capacity	(\$771)	(\$3,964)	\$24,006	\$45,663	\$1,028	\$91,755	\$157,717
	Total Benefits (Without NEBs)	\$757,485	\$949,221	\$495,942	\$457,906	\$20,729	\$1,615,128	\$4,296,412
	Non-Energy Benefits	\$227,245	\$284,766	\$148,783	\$137,372	\$6,219	\$484,538	\$1,288,923
	Total Benefits (With NEBs)	\$984,730	\$1,233,988	\$644,725	\$595,278	\$26,948	\$2,099,666	\$5,585,335
Net Incremental Costs*		\$477,729	\$674,717	\$166,509	\$49,689	\$4,470	\$56,275	\$1,429,389
<i>Program-Borne Share (Incentives)</i>		\$415,022	\$664,240	\$166,509	\$49,308	\$4,470	\$48,931	\$1,348,480
<i>Participant-Borne Share</i>		\$62,707	\$10,477	\$0	\$381	\$0	\$7,344	\$80,909
Non-Incentive Costs		\$252,473	\$593,136	\$91,553	\$114,323	\$12,745	\$136,173	\$1,200,403
Incentives in Excess of Incremental Cost**		\$91,707	\$398,738	\$28,128	\$198,805	\$21,193	\$245,748	\$984,319
Total Costs		\$730,202	\$1,267,853	\$258,062	\$164,012	\$17,215	\$192,448	\$2,629,792
10-Year Treasury Discount Rate	TRC (Without NEBs)	1.25	0.95	2.37	4.76	1.28	10.71	2.13
	TRC (With NEBs)	1.63	1.23	3.09	6.19	1.67	13.92	2.76
WACC Discount Rate	TRC (Without NEBs)	1.04	0.75	1.92	2.79	1.20	8.39	1.63
	TRC (With NEBs)	1.35	0.97	2.50	3.63	1.57	10.91	2.12

\* Includes total incremental cost of non-free riders and program-borne share of non-free riders incremental costs.

\*\*Not included in calculation of Total Resource Cost test.

Table 20 SEDAC Program Benefits, Costs, and TRC Scores by IOU

Values		Ameren- Ele	ComEd	Ameren- Gas	Nicor	North Shore	Peoples	Total
Net kWh		271,225	1,974,920	0	0	0	0	2,246,145
Net kW		122.88	274.52	0.00	0.00	0.00	0.00	397.39
Net Therms		-3,049	-31,207	3,186	12,371	356	7,336	-11,006
10-Year Treasury Discount Rate	Avoided Electric Production	\$238,137	\$1,289,542	\$0	\$0	\$0	\$0	\$1,527,679
	Avoided Electric Environmental	\$33,531	\$223,419	\$0	\$0	\$0	\$0	\$256,950
	Avoided Electric Capacity	\$11,133	\$20,016	\$0	\$0	\$0	\$0	\$31,148
	Avoided Electric T&D	\$13,753	\$182,674	\$0	\$0	\$0	\$0	\$196,427
	Avoided Electric Ancillary	\$14,972	\$86,975	\$0	\$0	\$0	\$0	\$101,947
	Avoided Gas Production	(\$23,491)	(\$403,702)	\$43,965	\$57,915	\$712	\$63,129	(\$261,473)
	Avoided Gas Capacity	(\$985)	(\$16,926)	\$1,614	\$4,977	\$29	\$3,073	(\$8,218)
	Total Benefits (Without NEBs)	\$287,049	\$1,381,998	\$45,579	\$62,892	\$740	\$66,202	\$1,844,460
	Non-Energy Benefits	\$43,057	\$207,300	\$6,837	\$9,434	\$111	\$9,930	\$276,669
	Total Benefits (With NEBs)	\$330,107	\$1,589,298	\$52,416	\$72,325	\$851	\$76,132	\$2,121,129
WACC Discount Rate	Avoided Electric Production	\$203,006	\$1,003,159	\$0	\$0	\$0	\$0	\$1,206,165
	Avoided Electric Environmental	\$29,349	\$177,018	\$0	\$0	\$0	\$0	\$206,366
	Avoided Electric Capacity	\$9,415	\$15,250	\$0	\$0	\$0	\$0	\$24,665
	Avoided Electric T&D	\$11,933	\$136,647	\$0	\$0	\$0	\$0	\$148,581
	Avoided Electric Ancillary	\$12,781	\$67,485	\$0	\$0	\$0	\$0	\$80,266
	Avoided Gas Production	(\$20,512)	(\$309,085)	\$36,647	\$41,129	\$684	\$51,288	(\$199,848)
	Avoided Gas Capacity	(\$860)	(\$12,959)	\$1,349	\$3,516	\$27	\$2,490	(\$6,437)
	Total Benefits (Without NEBs)	\$245,112	\$1,077,516	\$37,996	\$44,646	\$711	\$53,778	\$1,459,758
	Non-Energy Benefits	\$36,767	\$161,627	\$5,699	\$6,697	\$107	\$8,067	\$218,964
	Total Benefits (With NEBs)	\$281,878	\$1,239,144	\$43,695	\$51,342	\$818	\$61,844	\$1,678,722
Net Incremental Costs*		\$571,066	\$1,691,364	\$133,266	\$416,917	\$44,800	\$211,590	\$3,069,003
Program-Borne Share (Incentives)		\$546,981	\$1,474,518	\$131,499	\$410,989	\$44,593	\$207,319	\$2,815,899
Participant-Borne Share		\$24,085	\$216,846	\$1,766	\$5,928	\$207	\$4,271	\$253,104
Non-Incentive Costs		\$33,403	\$80,612	\$6,966	\$23,415	\$3,796	\$11,933	\$160,126
Incentives in Excess of Incremental Cost**		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs		\$604,468	\$1,771,976	\$140,232	\$440,332	\$48,596	\$223,524	\$3,229,128
10-Year Treasury Discount Rate	TRC (Without NEBs)	0.47	0.78	0.33	0.14	0.02	0.30	0.57
	TRC (With NEBs)	0.55	0.90	0.37	0.16	0.02	0.34	0.66
WACC Discount Rate	TRC (Without NEBs)	0.41	0.61	0.27	0.10	0.01	0.24	0.45
	TRC (With NEBs)	0.47	0.70	0.31	0.12	0.02	0.28	0.52

\* Includes total incremental cost of non-free riders and program-borne share of non-free riders incremental costs.

\*\*Not included in calculation of Total Resource Cost test.



*Table 21 K-12 Energy Efficiency Program Benefits, Costs, and TRC Scores by IOU*

<i>Values</i>		<i>Ameren-Ele</i>	<i>ComEd</i>	<i>Ameren-Gas</i>	<i>Nicor</i>	<i>North Shore</i>	<i>Peoples</i>	<i>Total</i>
Net kWh		36,032	25,334	0	0	0	0	61,367
Net kW		3.28	2.24	0.00	0.00	0.00	0.00	5.52
Net Therms		-812	-571	0	0	0	0	-1,383
10-Year Treasury Discount Rate	Avoided Electric Production	\$12,782	\$9,109	\$0	\$0	\$0	\$0	\$21,891
	Avoided Electric Environmental	\$2,577	\$1,963	\$0	\$0	\$0	\$0	\$4,540
	Avoided Electric Capacity	\$324	\$70	\$0	\$0	\$0	\$0	\$394
	Avoided Electric T&D	\$561	\$593	\$0	\$0	\$0	\$0	\$1,154
	Avoided Electric Ancillary	\$11	\$13	\$0	\$0	\$0	\$0	\$24
	Avoided Gas Production	(\$4,236)	(\$4,063)	\$0	\$0	\$0	\$0	(\$8,300)
	Avoided Gas Capacity	(\$197)	(\$189)	\$0	\$0	\$0	\$0	(\$385)
	Total Benefits (Without NEBs)	\$11,821	\$7,496	\$0	\$0	\$0	\$0	\$19,318
	Non-Energy Benefits	\$1,773	\$1,124	\$0	\$0	\$0	\$0	\$2,898
	Total Benefits (With NEBs)	\$13,594	\$8,621	\$0	\$0	\$0	\$0	\$22,215
WACC Discount Rate	Avoided Electric Production	\$11,729	\$7,851	\$0	\$0	\$0	\$0	\$19,580
	Avoided Electric Environmental	\$2,397	\$1,706	\$0	\$0	\$0	\$0	\$4,103
	Avoided Electric Capacity	\$302	\$64	\$0	\$0	\$0	\$0	\$366
	Avoided Electric T&D	\$532	\$534	\$0	\$0	\$0	\$0	\$1,065
	Avoided Electric Ancillary	\$11	\$11	\$0	\$0	\$0	\$0	\$22
	Avoided Gas Production	(\$3,898)	(\$3,471)	\$0	\$0	\$0	\$0	(\$7,369)
	Avoided Gas Capacity	(\$181)	(\$161)	\$0	\$0	\$0	\$0	(\$342)
	Total Benefits (Without NEBs)	\$10,892	\$6,533	\$0	\$0	\$0	\$0	\$17,425
	Non-Energy Benefits	\$1,634	\$980	\$0	\$0	\$0	\$0	\$2,614
	Total Benefits (With NEBs)	\$12,525	\$7,513	\$0	\$0	\$0	\$0	\$20,038
Net Incremental Costs*		\$2,597	\$1,873	\$0	\$0	\$0	\$0	\$4,471
<i>Program-Borne Share (Incentives)</i>		\$1,220	\$1,873	\$0	\$0	\$0	\$0	\$3,093
<i>Participant-Borne Share</i>		\$1,377	\$0	\$0	\$0	\$0	\$0	\$1,377
Non-Incentive Costs		\$104,392	\$282,245	\$0	\$0	\$0	\$0	\$386,637
Incentives in Excess of Incremental Cost**		\$0	\$1,704	\$0	\$0	\$0	\$0	\$1,704
Total Costs		\$106,989	\$284,118	\$0	\$0	\$0	\$0	\$391,108
10-Year Treasury Discount Rate	TRC (Without NEBs)	0.11	0.03					0.05
	TRC (With NEBs)	0.13	0.03					0.06
WACC Discount Rate	TRC (Without NEBs)	0.10	0.02					0.04
	TRC (With NEBs)	0.12	0.03					0.05

\* Includes total incremental cost of non-free riders and program-borne share of non-free riders incremental costs.

\*\*Not included in calculation of Total Resource Cost test.

*Table 22 Building Operator Certification Program Benefits, Costs, and TRC Scores by IOU*

<i>Values</i>		<i>Ameren- Ele</i>	<i>ComEd</i>	<i>Ameren- Gas</i>	<i>Nicor</i>	<i>North Shore</i>	<i>Peoples</i>	<i>Total</i>
Net kWh		521,991	1,230,408	0	0	0	0	1,752,400
Net kW		101.46	239.15	0.00	0.00	0.00	0.00	340.61
Net Therms		-5,353	-12,617	0	0	0	0	-17,970
10-Year Treasury Discount Rate	Avoided Electric Production	\$303,777	\$668,203	\$0	\$0	\$0	\$0	\$971,981
	Avoided Electric Environmental	\$53,312	\$130,751	\$0	\$0	\$0	\$0	\$184,062
	Avoided Electric Capacity	\$10,323	\$5,946	\$0	\$0	\$0	\$0	\$16,269
	Avoided Electric T&D	\$13,968	\$51,931	\$0	\$0	\$0	\$0	\$65,899
	Avoided Electric Ancillary	\$14,576	\$51,349	\$0	\$0	\$0	\$0	\$65,925
	Avoided Gas Production	(\$40,036)	(\$117,611)	\$0	\$0	\$0	\$0	(\$157,647)
	Avoided Gas Capacity	(\$1,679)	(\$4,931)	\$0	\$0	\$0	\$0	(\$6,610)
	Total Benefits (Without NEBs)	\$354,241	\$785,639	\$0	\$0	\$0	\$0	\$1,139,880
	Non-Energy Benefits	\$53,136	\$117,846	\$0	\$0	\$0	\$0	\$170,982
	Total Benefits (With NEBs)	\$407,377	\$903,484	\$0	\$0	\$0	\$0	\$1,310,861
WACC Discount Rate	Avoided Electric Production	\$272,787	\$556,850	\$0	\$0	\$0	\$0	\$829,636
	Avoided Electric Environmental	\$48,501	\$109,793	\$0	\$0	\$0	\$0	\$158,294
	Avoided Electric Capacity	\$9,082	\$4,916	\$0	\$0	\$0	\$0	\$13,999
	Avoided Electric T&D	\$12,589	\$42,355	\$0	\$0	\$0	\$0	\$54,944
	Avoided Electric Ancillary	\$13,043	\$42,535	\$0	\$0	\$0	\$0	\$55,578
	Avoided Gas Production	(\$35,978)	(\$97,181)	\$0	\$0	\$0	\$0	(\$133,160)
	Avoided Gas Capacity	(\$1,508)	(\$4,074)	\$0	\$0	\$0	\$0	(\$5,583)
	Total Benefits (Without NEBs)	\$318,515	\$655,193	\$0	\$0	\$0	\$0	\$973,709
	Non-Energy Benefits	\$47,777	\$98,279	\$0	\$0	\$0	\$0	\$146,056
	Total Benefits (With NEBs)	\$366,293	\$753,472	\$0	\$0	\$0	\$0	\$1,119,765
Net Incremental Costs*		\$46,353	\$135,099	\$0	\$0	\$0	\$0	\$181,452
<i>Program-Borne Share (Incentives)</i>		\$0	\$0	\$0	\$0	\$0	\$0	\$0
<i>Participant-Borne Share</i>		\$46,353	\$135,099	\$0	\$0	\$0	\$0	\$181,452
Non-Incentive Costs		\$61,674	\$162,506	\$13,531	\$49,087	\$5,349	\$22,341	\$314,488
Incentives in Excess of Incremental Cost**		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs		\$108,027	\$297,605	\$13,531	\$49,087	\$5,349	\$22,341	\$495,940
<b>10-Year Treasury Discount Rate</b>	<b>TRC (Without NEBs)</b>	<b>3.28</b>	<b>2.64</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.30</b>
	<b>TRC (With NEBs)</b>	<b>3.77</b>	<b>3.04</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.64</b>
<b>WACC Discount Rate</b>	<b>TRC (Without NEBs)</b>	<b>2.95</b>	<b>2.20</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.96</b>
	<b>TRC (With NEBs)</b>	<b>3.39</b>	<b>2.53</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.26</b>

\* Includes total incremental cost of non-free riders and program-borne share of non-free riders incremental costs.

\*\*Not included in calculation of Total Resource Cost test.

*Table 23 Data Center Program Benefits, Costs, and TRC Scores by IOU*

<i>Values</i>		<i>Ameren-Ele</i>	<i>ComEd</i>	<i>Ameren-Gas</i>	<i>Nicor</i>	<i>North Shore</i>	<i>Peoples</i>	<i>Total</i>
Net kWh		0	0	0	0	0	0	0
Net kW		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Net Therms		0	0	0	0	0	0	0
10-Year Treasury Discount Rate	Avoided Electric Production	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric Environmental	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric Capacity	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric T&D	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric Ancillary	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Gas Production	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Gas Capacity	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total Benefits (Without NEBs)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Non-Energy Benefits	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total Benefits (With NEBs)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
WACC Discount Rate	Avoided Electric Production	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric Environmental	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric Capacity	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric T&D	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Electric Ancillary	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Gas Production	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avoided Gas Capacity	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total Benefits (Without NEBs)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Non-Energy Benefits	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total Benefits (With NEBs)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Incremental Costs*		\$0	\$249,751	\$0	\$0	\$0	\$0	\$249,751
<i>Program-Borne Share (Incentives)</i>		\$0	\$249,751	\$0	\$0	\$0	\$0	\$249,751
<i>Participant-Borne Share</i>		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-Incentive Costs		\$0	\$37,485	\$0	\$0	\$0	\$0	\$37,485
Incentives in Excess of Incremental Cost**		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs		\$0	\$287,236	\$0	\$0	\$0	\$0	\$287,236
<b>10-Year Treasury Discount Rate</b>	<b>TRC (Without NEBs)</b>		<b>0.00</b>					<b>0.00</b>
	<b>TRC (With NEBs)</b>		<b>0.00</b>					<b>0.00</b>
<b>WACC Discount Rate</b>	<b>TRC (Without NEBs)</b>		<b>0.00</b>					<b>0.00</b>
	<b>TRC (With NEBs)</b>		<b>0.00</b>					<b>0.00</b>

\* Includes total incremental cost of non-free riders and program-borne share of non-free riders incremental costs.

\*\*Not included in calculation of Total Resource Cost test.

*Table 24 Public Sector Benefits, Costs, and TRC Scores by IOU*

<i>Values</i>		<i>Ameren- Ele</i>	<i>ComEd</i>	<i>Ameren- Gas</i>	<i>Nicor</i>	<i>North Shore</i>	<i>Peoples</i>	<i>Total</i>
Net kWh		27,718,923	73,276,428	0	0	0	0	100,995,351
Net kW		2,002.74	6,229.83	0.00	0.00	0.00	0.00	8,232.58
Net Therms		-127,412	-365,693	531,067	1,621,511	130,375	1,024,231	2,814,077
10-Year Treasury Discount Rate	Avoided Electric Production	\$23,192,932	\$52,610,411	\$0	\$0	\$0	\$0	\$75,803,343
	Avoided Electric Environmental	\$3,899,962	\$10,068,638	\$0	\$0	\$0	\$0	\$13,968,600
	Avoided Electric Capacity	\$308,988	\$147,312	\$0	\$0	\$0	\$0	\$456,300
	Avoided Electric T&D	\$379,318	\$1,327,520	\$0	\$0	\$0	\$0	\$1,706,838
	Avoided Electric Ancillary	\$485,018	\$1,872,885	\$0	\$0	\$0	\$0	\$2,357,903
	Avoided Gas Production	(\$1,097,279)	(\$3,531,412)	\$5,092,893	\$8,472,598	\$1,406,888	\$10,040,638	\$20,384,326
	Avoided Gas Capacity	(\$46,005)	(\$148,060)	\$190,795	\$638,320	\$57,750	\$440,535	\$1,133,334
	Total Benefits (Without NEBs)	\$27,122,933	\$62,347,295	\$5,283,689	\$9,110,918	\$1,464,638	\$10,481,172	\$115,810,644
	Non-Energy Benefits	\$4,068,440	\$9,352,094	\$792,553	\$1,366,638	\$219,696	\$1,572,176	\$17,371,597
	Total Benefits (With NEBs)	\$31,191,373	\$71,699,389	\$6,076,242	\$10,477,556	\$1,684,333	\$12,053,348	\$133,182,241
WACC Discount Rate	Avoided Electric Production	\$19,092,485	\$40,840,941	\$0	\$0	\$0	\$0	\$59,933,425
	Avoided Electric Environmental	\$3,267,775	\$7,920,858	\$0	\$0	\$0	\$0	\$11,188,633
	Avoided Electric Capacity	\$260,463	\$114,890	\$0	\$0	\$0	\$0	\$375,353
	Avoided Electric T&D	\$328,058	\$1,017,055	\$0	\$0	\$0	\$0	\$1,345,113
	Avoided Electric Ancillary	\$404,548	\$1,459,563	\$0	\$0	\$0	\$0	\$1,864,112
	Avoided Gas Production	(\$949,922)	(\$2,753,259)	\$4,399,757	\$6,019,444	\$1,131,241	\$8,172,699	\$16,019,959
	Avoided Gas Capacity	(\$39,827)	(\$115,435)	\$164,382	\$454,727	\$46,362	\$358,607	\$868,816
	Total Benefits (Without NEBs)	\$22,363,580	\$48,484,612	\$4,564,139	\$6,474,171	\$1,177,603	\$8,531,305	\$91,595,411
	Non-Energy Benefits	\$3,354,537	\$7,272,692	\$684,621	\$971,126	\$176,640	\$1,279,696	\$13,739,312
	Total Benefits (With NEBs)	\$25,718,117	\$55,757,304	\$5,248,759	\$7,445,297	\$1,354,244	\$9,811,001	\$105,334,722
Net Incremental Costs*		\$5,125,695	\$15,149,977	\$1,121,406	\$2,889,300	\$487,717	\$1,968,970	\$26,743,065
<i>Program-Borne Share (Incentives)</i>		\$3,746,398	\$10,881,013	\$842,013	\$2,422,257	\$416,899	\$1,638,439	\$19,947,020
<i>Participant-Borne Share</i>		\$1,379,297	\$4,268,963	\$279,392	\$467,043	\$70,818	\$330,531	\$6,796,045
Non-Incentive Costs		\$226,352	\$792,428	\$66,971	\$404,081	\$70,557	\$190,981	\$1,751,371
Incentives in Excess of Incremental Cost**		\$1,278,886	\$4,978,050	\$268,453	\$1,217,351	\$59,675	\$363,824	\$8,166,240
Total Costs		\$5,352,048	\$15,942,405	\$1,188,377	\$3,293,381	\$558,274	\$2,159,951	\$28,494,436
10-Year Treasury Discount Rate	TRC (Without NEBs)	5.07	3.91	4.45	2.77	2.62	4.85	4.06
	TRC (With NEBs)	5.83	4.50	5.11	3.18	3.02	5.58	4.67
WACC Discount Rate	TRC (Without NEBs)	4.18	3.04	3.84	1.97	2.11	3.95	3.21
	TRC (With NEBs)	4.81	3.50	4.42	2.26	2.43	4.54	3.70

\* Includes total incremental cost of non-free riders and program-borne share of non-free riders incremental costs.

\*\*Not included in calculation of Total Resource Cost test.

*Table 25 Low Income Sector Benefits, Costs, and TRC Scores by IOU*

<i>Values</i>		<i>Ameren- Ele</i>	<i>ComEd</i>	<i>Ameren- Gas</i>	<i>Nicor</i>	<i>North Shore</i>	<i>Peoples</i>	<i>Total</i>
Net kWh		4,948,434	8,617,216	0	0	0	0	13,565,650
Net kW		1,720.69	2,354.83	0.00	0.00	0.00	0.00	4,075.51
Net Therms		-13,136	-41,825	290,562	452,727	42,363	666,892	1,397,583
10-Year Treasury Discount Rate	Avoided Electric Production	\$5,714,932	\$7,275,569	\$0	\$0	\$0	\$0	\$12,990,501
	Avoided Electric Environmental	\$701,390	\$1,186,636	\$0	\$0	\$0	\$0	\$1,888,026
	Avoided Electric Capacity	\$23,927	\$22,524	\$0	\$0	\$0	\$0	\$46,451
	Avoided Electric T&D	\$32,118	\$198,547	\$0	\$0	\$0	\$0	\$230,665
	Avoided Electric Ancillary	\$147,648	\$389,663	\$0	\$0	\$0	\$0	\$537,311
	Avoided Gas Production	(\$95,762)	(\$396,277)	\$4,702,046	\$3,750,825	\$485,064	\$9,368,487	\$17,814,383
	Avoided Gas Capacity	(\$4,445)	(\$18,392)	\$216,249	\$375,280	\$25,967	\$547,354	\$1,142,013
	Total Benefits (Without NEBs)	\$6,519,808	\$8,658,270	\$4,918,294	\$4,126,106	\$511,031	\$9,915,841	\$34,649,350
	Non-Energy Benefits	\$1,955,943	\$2,597,481	\$1,475,488	\$1,237,832	\$153,309	\$2,974,752	\$10,394,805
	Total Benefits (With NEBs)	\$8,475,751	\$11,255,750	\$6,393,783	\$5,363,937	\$664,340	\$12,890,593	\$45,044,155
WACC Discount Rate	Avoided Electric Production	\$4,737,855	\$5,399,277	\$0	\$0	\$0	\$0	\$10,137,132
	Avoided Electric Environmental	\$604,332	\$914,472	\$0	\$0	\$0	\$0	\$1,518,804
	Avoided Electric Capacity	\$20,943	\$18,341	\$0	\$0	\$0	\$0	\$39,285
	Avoided Electric T&D	\$28,845	\$159,247	\$0	\$0	\$0	\$0	\$188,092
	Avoided Electric Ancillary	\$122,854	\$281,017	\$0	\$0	\$0	\$0	\$403,872
	Avoided Gas Production	(\$85,372)	(\$318,686)	\$3,810,646	\$2,372,972	\$379,022	\$6,967,375	\$13,125,957
	Avoided Gas Capacity	(\$3,962)	(\$14,791)	\$175,221	\$236,688	\$20,269	\$407,245	\$820,670
	Total Benefits (Without NEBs)	\$5,425,496	\$6,438,877	\$3,985,868	\$2,609,660	\$399,291	\$7,374,621	\$26,233,812
	Non-Energy Benefits	\$1,627,649	\$1,931,663	\$1,195,760	\$782,898	\$119,787	\$2,212,386	\$7,870,144
	Total Benefits (With NEBs)	\$7,053,144	\$8,370,540	\$5,181,628	\$3,392,558	\$519,078	\$9,587,007	\$34,103,956
Net Incremental Costs*		\$2,558,439	\$6,513,017	\$1,229,866	\$1,690,969	\$94,757	\$2,140,829	\$14,227,877
<i>Program-Borne Share (Incentives)</i>		\$1,965,970	\$5,678,784	\$673,921	\$1,047,270	\$36,396	\$1,286,785	\$10,689,126
<i>Participant-Borne Share</i>		\$592,469	\$834,233	\$555,946	\$643,699	\$58,361	\$854,044	\$3,538,751
Non-Incentive Costs		\$392,213	\$788,796	\$103,083	\$135,043	\$14,545	\$152,323	\$1,586,003
Incentives in Excess of Incremental Cost**		\$941,569	\$2,283,088	\$277,362	\$416,165	\$87,467	\$413,771	\$4,419,422
Total Costs		\$2,950,652	\$7,301,813	\$1,332,949	\$1,826,012	\$109,302	\$2,293,152	\$15,813,880
10-Year Treasury Discount Rate	TRC (Without NEBs)	2.21	1.19	3.69	2.26	4.68	4.32	2.19
	TRC (With NEBs)	2.87	1.54	4.80	2.94	6.08	5.62	2.85
WACC Discount Rate	TRC (Without NEBs)	1.84	0.88	2.99	1.43	3.65	3.22	1.66
	TRC (With NEBs)	2.39	1.15	3.89	1.86	4.75	4.18	2.16

\* Includes total incremental cost of non-free riders and program-borne share of non-free riders incremental costs.

\*\*Not included in calculation of Total Resource Cost test.

*Table 26 Market Transformation Sector Benefits, Costs, and TRC Scores by IOU*

<i>Values</i>		<i>Ameren- Ele</i>	<i>ComEd</i>	<i>Ameren- Gas</i>	<i>Nicor</i>	<i>North Shore</i>	<i>Peoples</i>	<i>Total</i>
Net kWh		829,249	3,230,663	0	0	0	0	4,059,912
Net kW		227.62	515.90	0.00	0.00	0.00	0.00	743.52
Net Therms		-9,213	-44,395	3,186	12,371	356	7,336	-30,359
10-Year Treasury Discount Rate	Avoided Electric Production	\$554,697	\$1,966,854	\$0	\$0	\$0	\$0	\$2,521,551
	Avoided Electric Environmental	\$89,419	\$356,133	\$0	\$0	\$0	\$0	\$445,552
	Avoided Electric Capacity	\$21,779	\$26,033	\$0	\$0	\$0	\$0	\$47,811
	Avoided Electric T&D	\$28,282	\$235,198	\$0	\$0	\$0	\$0	\$263,480
	Avoided Electric Ancillary	\$29,559	\$138,337	\$0	\$0	\$0	\$0	\$167,896
	Avoided Gas Production	(\$67,764)	(\$525,376)	\$43,965	\$57,915	\$712	\$63,129	(\$427,419)
	Avoided Gas Capacity	(\$2,860)	(\$22,045)	\$1,614	\$4,977	\$29	\$3,073	(\$15,213)
	Total Benefits (Without NEBs)	\$653,112	\$2,175,133	\$45,579	\$62,892	\$740	\$66,202	\$3,003,657
	Non-Energy Benefits	\$97,967	\$326,270	\$6,837	\$9,434	\$111	\$9,930	\$450,549
	Total Benefits (With NEBs)	\$751,078	\$2,501,403	\$52,416	\$72,325	\$851	\$76,132	\$3,454,206
WACC Discount Rate	Avoided Electric Production	\$487,522	\$1,567,859	\$0	\$0	\$0	\$0	\$2,055,381
	Avoided Electric Environmental	\$80,247	\$288,517	\$0	\$0	\$0	\$0	\$368,764
	Avoided Electric Capacity	\$18,799	\$20,231	\$0	\$0	\$0	\$0	\$39,030
	Avoided Electric T&D	\$25,054	\$179,537	\$0	\$0	\$0	\$0	\$204,590
	Avoided Electric Ancillary	\$25,835	\$110,031	\$0	\$0	\$0	\$0	\$135,866
	Avoided Gas Production	(\$60,388)	(\$409,737)	\$36,647	\$41,129	\$684	\$51,288	(\$340,377)
	Avoided Gas Capacity	(\$2,549)	(\$17,194)	\$1,349	\$3,516	\$27	\$2,490	(\$12,362)
	Total Benefits (Without NEBs)	\$574,519	\$1,739,243	\$37,996	\$44,646	\$711	\$53,778	\$2,450,892
	Non-Energy Benefits	\$86,178	\$260,886	\$5,699	\$6,697	\$107	\$8,067	\$367,634
	Total Benefits (With NEBs)	\$660,697	\$2,000,129	\$43,695	\$51,342	\$818	\$61,844	\$2,818,525
Net Incremental Costs*		\$620,016	\$2,078,087	\$133,266	\$416,917	\$44,800	\$211,590	\$3,504,676
<i>Program-Borne Share (Incentives)</i>		\$548,201	\$1,726,142	\$131,499	\$410,989	\$44,593	\$207,319	\$3,068,743
<i>Participant-Borne Share</i>		\$71,815	\$351,945	\$1,766	\$5,928	\$207	\$4,271	\$435,933
Non-Incentive Costs		\$199,469	\$562,848	\$20,497	\$72,503	\$9,145	\$34,274	\$898,736
Incentives in Excess of Incremental Cost**		\$0	\$1,704	\$0	\$0	\$0	\$0	\$1,704
Total Costs		\$819,485	\$2,640,935	\$153,763	\$489,420	\$53,945	\$245,865	\$4,403,412
10-Year Treasury Discount Rate	TRC (Without NEBs)	0.80	0.82	0.30	0.13	0.01	0.27	0.68
	TRC (With NEBs)	0.92	0.95	0.34	0.15	0.02	0.31	0.78
WACC Discount Rate	TRC (Without NEBs)	0.70	0.66	0.25	0.09	0.01	0.22	0.56
	TRC (With NEBs)	0.81	0.76	0.28	0.10	0.02	0.25	0.64

\* Includes total incremental cost of non-free riders and program-borne share of non-free riders incremental costs.

\*\*Not included in calculation of Total Resource Cost test.

Table 27 Portfolio Benefits, Costs, and TRC Scores by IOU

Values		Ameren- Ele	ComEd	Ameren- Gas	Nicor	North Shore	Peoples	Total
Net kWh		33,496,606	85,124,306	0	0	0	0	118,620,912
Net kW		3,951.04	9,100.56	0.00	0.00	0.00	0.00	13,051.61
Net Therms		-149,762	-451,913	824,815	2,086,609	173,094	1,698,458	4,181,301
10-Year Treasury Discount Rate	Avoided Electric Production	\$29,462,561	\$61,852,833	\$0	\$0	\$0	\$0	\$91,315,394
	Avoided Electric Environmental	\$4,690,770	\$11,611,408	\$0	\$0	\$0	\$0	\$16,302,178
	Avoided Electric Capacity	\$354,694	\$195,869	\$0	\$0	\$0	\$0	\$550,563
	Avoided Electric T&D	\$439,718	\$1,761,265	\$0	\$0	\$0	\$0	\$2,200,983
	Avoided Electric Ancillary	\$662,225	\$2,400,885	\$0	\$0	\$0	\$0	\$3,063,110
	Avoided Gas Production	(\$1,260,805)	(\$4,453,065)	\$9,838,904	\$12,281,338	\$1,892,664	\$19,472,253	\$37,771,290
	Avoided Gas Capacity	(\$53,310)	(\$188,498)	\$408,658	\$1,018,577	\$83,745	\$990,962	\$2,260,134
	Total Benefits (Without NEBs)	\$34,295,853	\$73,180,697	\$10,247,562	\$13,299,915	\$1,976,409	\$20,463,215	\$153,463,652
	Non-Energy Benefits	\$6,122,349	\$12,275,845	\$2,274,878	\$2,613,903	\$373,116	\$4,556,858	\$28,216,950
	Total Benefits (With NEBs)	\$40,418,203	\$85,456,542	\$12,522,441	\$15,913,819	\$2,349,525	\$25,020,073	\$181,680,602
WACC Discount Rate	Avoided Electric Production	\$24,317,862	\$47,808,077	\$0	\$0	\$0	\$0	\$72,125,939
	Avoided Electric Environmental	\$3,952,355	\$9,123,846	\$0	\$0	\$0	\$0	\$13,076,201
	Avoided Electric Capacity	\$300,206	\$153,462	\$0	\$0	\$0	\$0	\$453,667
	Avoided Electric T&D	\$381,956	\$1,355,839	\$0	\$0	\$0	\$0	\$1,737,795
	Avoided Electric Ancillary	\$553,237	\$1,850,612	\$0	\$0	\$0	\$0	\$2,403,849
	Avoided Gas Production	(\$1,095,683)	(\$3,481,683)	\$8,247,050	\$8,433,546	\$1,510,947	\$15,191,362	\$28,805,539
	Avoided Gas Capacity	(\$46,339)	(\$147,420)	\$340,952	\$694,932	\$66,659	\$768,342	\$1,677,124
	Total Benefits (Without NEBs)	\$28,363,594	\$56,662,732	\$8,588,002	\$9,128,477	\$1,577,605	\$15,959,704	\$120,280,115
	Non-Energy Benefits	\$5,068,363	\$9,465,241	\$1,886,080	\$1,760,721	\$296,534	\$3,500,149	\$21,977,089
	Total Benefits (With NEBs)	\$33,431,958	\$66,127,974	\$10,474,082	\$10,889,198	\$1,874,140	\$19,459,852	\$142,257,204
Net Incremental Costs*		\$8,304,150	\$23,741,081	\$2,484,538	\$4,997,186	\$627,274	\$4,321,389	\$44,475,617
Program-Borne Share (Incentives)		\$6,260,569	\$18,285,940	\$1,647,433	\$3,880,516	\$497,888	\$3,132,544	\$33,704,889
Participant-Borne Share		\$2,043,581	\$5,455,141	\$837,104	\$1,116,670	\$129,386	\$1,188,846	\$10,770,728
Non-Incentive Costs		\$2,375,739	\$5,836,803	\$656,442	\$1,812,933	\$156,719	\$965,184	\$11,803,820
Incentives in Excess of Incremental Cost**		\$2,220,456	\$7,262,842	\$545,815	\$1,633,517	\$147,142	\$777,595	\$12,587,367
Total Costs		\$10,679,888	\$29,577,884	\$3,140,980	\$6,810,119	\$783,993	\$5,286,573	\$56,279,437
10-Year Treasury Discount Rate	TRC (Without NEBs)	3.21	2.47	3.26	1.95	2.52	3.87	2.73
	TRC (With NEBs)	3.78	2.89	3.99	2.34	3.00	4.73	3.23
WACC Discount Rate	TRC (Without NEBs)	2.66	1.92	2.73	1.34	2.01	3.02	2.14
	TRC (With NEBs)	3.13	2.24	3.33	1.60	2.39	3.68	2.53

\* Includes total incremental cost of non-free riders and program-borne share of non-free riders incremental costs.

\*\*Not included in calculation of Total Resource Cost test.

# Appendix

*Table A-1 Ameren Electric 10-Year Treasury Discount Rate Benefits, Costs, and TRC Scores by Program*

<i>Sector (a)</i>	<i>Program (b)</i>	<i>Avoided Energy Costs (c)</i>	<i>Non- Energy Benefits (d)</i>	<i>Incremental Cost (Gross) (e)</i>	<i>Incremental Cost (Net) (f)</i>	<i>Incentive Costs (g)</i>	<i>Non- incentive Costs (h)</i>	<i>TRC Total Benefits (i)=(c+d)</i>	<i>TRC Total Costs (j)=(f+h)</i>	<i>TRC Test Net Benefits (k)=(i-j)</i>	<i>TRC Test (l)=(c/j)</i>	<i>TRC Test (m)=(i/j)</i>
Public Sector	Custom	\$8,702,406	\$1,305,361	\$2,715,478	\$2,268,968	\$1,893,862	\$7,906	\$10,007,767	\$2,276,874	\$7,730,893	3.82	4.40
	Standard	\$11,628,454	\$1,744,268	\$1,728,255	\$1,589,144	\$2,418,344	\$80,031	\$13,372,722	\$1,669,175	\$11,703,547	6.97	8.01
	New Construction	\$4,361,521	\$654,228	\$868,124	\$508,857	\$610,742	\$40,961	\$5,015,749	\$549,818	\$4,465,931	7.93	9.12
	Retro-Commissioning	\$1,962,481	\$294,372	\$655,227	\$670,567	\$551,157	\$33,658	\$2,256,854	\$704,225	\$1,552,629	2.79	3.20
	Boiler System Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	STEP	\$468,071	\$70,211	\$91,307	\$88,160	\$206,583	\$63,796	\$538,282	\$151,956	\$386,326	3.08	3.54
	<b>Total</b>	<b>\$27,122,933</b>	<b>\$4,068,440</b>	<b>\$6,058,392</b>	<b>\$5,125,695</b>	<b>\$5,680,687</b>	<b>\$226,352</b>	<b>\$31,191,373</b>	<b>\$5,352,048</b>	<b>\$25,839,326</b>	<b>5.07</b>	<b>5.83</b>
Low Income	Residential Retrofit	\$4,300,766	\$1,290,230	\$1,411,750	\$1,411,750	\$1,731,850	\$124,809	\$5,590,996	\$1,536,559	\$4,054,437	2.80	3.64
	Affordable New Construction	\$1,306,032	\$391,810	\$668,960	\$668,960	\$668,960	\$14,931	\$1,697,842	\$683,891	\$1,013,951	1.91	2.48
	Public Housing Authority	\$913,010	\$273,903	\$477,729	\$477,729	\$506,729	\$252,473	\$1,186,913	\$730,202	\$456,711	1.25	1.63
	<b>Total</b>	<b>\$6,519,808</b>	<b>\$1,955,943</b>	<b>\$2,558,439</b>	<b>\$2,558,439</b>	<b>\$2,907,539</b>	<b>\$392,213</b>	<b>\$8,475,751</b>	<b>\$2,950,652</b>	<b>\$5,525,099</b>	<b>2.21</b>	<b>2.87</b>
Market Transformation	SEDAC	\$287,049	\$43,057	\$571,066	\$571,066	\$546,981	\$33,403	\$330,107	\$604,468	(\$274,362)	0.47	0.55
	K-12 Energy Efficiency	\$11,821	\$1,773	\$3,108	\$2,597	\$1,460	\$104,392	\$13,594	\$106,989	(\$93,395)	0.11	0.13
	Building Operator Certification	\$354,241	\$53,136	\$46,353	\$46,353	\$0	\$61,674	\$407,377	\$108,027	\$299,350	3.28	3.77
	Data Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	<b>Total</b>	<b>\$653,112</b>	<b>\$97,967</b>	<b>\$620,526</b>	<b>\$620,016</b>	<b>\$548,441</b>	<b>\$199,469</b>	<b>\$751,078</b>	<b>\$819,485</b>	<b>(\$68,406)</b>	<b>0.80</b>	<b>0.92</b>
<b>Portfolio Non-Program Costs</b>							<b>\$1,557,705</b>		<b>\$1,557,705</b>			
<b>Grand Total</b>		<b>\$34,295,853</b>	<b>\$6,122,349</b>	<b>\$9,237,357</b>	<b>\$8,304,150</b>	<b>\$9,136,667</b>	<b>\$2,375,739</b>	<b>\$40,418,203</b>	<b>\$10,679,888</b>	<b>\$31,296,019</b>	<b>3.21</b>	<b>3.78</b>



*Table A-2 ComEd 10-Year Treasury Discount Rate Benefits, Costs, and TRC Scores by Program*

<i>Sector (a)</i>	<i>Program (b)</i>	<i>Avoided Energy Costs (c)</i>	<i>Non- Energy Benefits (d)</i>	<i>Incremental Cost (Gross) (e)</i>	<i>Incremental Cost (Net) (f)</i>	<i>Incentive Costs (g)</i>	<i>Non- incentive Costs (h)</i>	<i>TRC Total Benefits (i)=(c+d)</i>	<i>TRC Total Costs (j)=(f+h)</i>	<i>TRC Test Net Benefits (k)=(i-j)</i>	<i>TRC Test (l)=(c/j)</i>	<i>TRC Test (m)=(i/j)</i>
Public Sector	Custom	\$14,666,098	\$2,199,915	\$5,881,611	\$4,778,368	\$4,114,768	\$251,198	\$16,866,013	\$5,029,566	\$11,836,447	2.92	3.35
	Standard	\$36,670,379	\$5,500,557	\$8,500,961	\$7,611,401	\$10,821,929	\$160,881	\$42,170,936	\$7,772,282	\$34,398,654	4.72	5.43
	New Construction	\$433,431	\$65,015	\$70,710	\$61,613	\$33,047	\$104,721	\$498,445	\$166,334	\$332,111	2.61	3.00
	Retro-Commissioning	\$8,568,584	\$1,285,288	\$2,367,512	\$2,395,511	\$1,697,816	\$92,820	\$9,853,872	\$2,488,331	\$7,365,541	3.44	3.96
	Boiler System Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	STEP	\$2,008,802	\$301,320	\$316,263	\$303,083	\$602,111	\$182,808	\$2,310,123	\$485,892	\$1,824,231	4.13	4.75
	<b>Total</b>	<b>\$62,347,295</b>	<b>\$9,352,094</b>	<b>\$17,137,057</b>	<b>\$15,149,977</b>	<b>\$17,269,671</b>	<b>\$792,428</b>	<b>\$71,699,389</b>	<b>\$15,942,405</b>	<b>\$55,756,984</b>	<b>3.91</b>	<b>4.50</b>
Low Income	Residential Retrofit	\$5,642,595	\$1,692,778	\$3,134,953	\$3,134,953	\$4,195,547	\$156,321	\$7,335,373	\$3,291,274	\$4,044,100	1.71	2.23
	Affordable New Construction	\$1,816,152	\$544,846	\$2,703,347	\$2,703,347	\$2,703,347	\$39,339	\$2,360,998	\$2,742,686	(\$381,688)	0.66	0.86
	Public Housing Authority	\$1,199,522	\$359,857	\$674,717	\$674,717	\$1,062,978	\$593,136	\$1,559,379	\$1,267,853	\$291,526	0.95	1.23
	<b>Total</b>	<b>\$8,658,270</b>	<b>\$2,597,481</b>	<b>\$6,513,017</b>	<b>\$6,513,017</b>	<b>\$7,961,872</b>	<b>\$788,796</b>	<b>\$11,255,750</b>	<b>\$7,301,813</b>	<b>\$3,953,937</b>	<b>1.19</b>	<b>1.54</b>
Market Transformation	SEDAC	\$1,381,998	\$207,300	\$1,691,364	\$1,691,364	\$1,474,518	\$80,612	\$1,589,298	\$1,771,976	(\$182,678)	0.78	0.90
	K-12 Energy Efficiency	\$7,496	\$1,124	\$2,242	\$1,873	\$3,946	\$282,245	\$8,621	\$284,118	(\$275,498)	0.03	0.03
	Building Operator Certification	\$785,639	\$117,846	\$135,099	\$135,099	\$0	\$162,506	\$903,484	\$297,605	\$605,880	2.64	3.04
	Data Center	\$0	\$0	\$249,751	\$249,751	\$249,751	\$37,485	\$0	\$287,236	(\$287,236)	0.00	0.00
	<b>Total</b>	<b>\$2,175,133</b>	<b>\$326,270</b>	<b>\$2,078,455</b>	<b>\$2,078,087</b>	<b>\$1,728,215</b>	<b>\$562,848</b>	<b>\$2,501,403</b>	<b>\$2,640,935</b>	<b>(\$139,532)</b>	<b>0.82</b>	<b>0.95</b>
<b>Portfolio Non-Program Costs</b>							<b>\$3,692,731</b>		<b>\$3,692,731</b>			
<b>Grand Total</b>		<b>\$73,180,697</b>	<b>\$12,275,845</b>	<b>\$25,728,529</b>	<b>\$23,741,081</b>	<b>\$26,959,758</b>	<b>\$5,836,803</b>	<b>\$85,456,542</b>	<b>\$29,577,884</b>	<b>\$59,571,389</b>	<b>2.47</b>	<b>2.89</b>

Table A-3 Ameren Gas 10-Year Treasury Discount Rate Benefits, Costs, and TRC Scores by Program

<i>Sector (a)</i>	<i>Program (b)</i>	<i>Avoided Energy Costs (c)</i>	<i>Non- Energy Benefits (d)</i>	<i>Incremental Cost (Gross) (e)</i>	<i>Incremental Cost (Net) (f)</i>	<i>Incentive Costs (g)</i>	<i>Non- incentive Costs (h)</i>	<i>TRC Total Benefits (i)=(c+d)</i>	<i>TRC Total Costs (j)=(f+h)</i>	<i>TRC Test Net Benefits (k)=(i-j)</i>	<i>TRC Test (l)=(c/j)</i>	<i>TRC Test (m)=(i/j)</i>
Public Sector	Custom	\$1,887,865	\$283,180	\$684,580	\$575,299	\$600,421	\$3,019	\$2,171,045	\$578,318	\$1,592,727	3.26	3.75
	Standard	\$280,927	\$42,139	\$306,736	\$196,994	\$176,814	\$1,353	\$323,066	\$198,347	\$124,719	1.42	1.63
	New Construction	\$108,258	\$16,239	\$95,006	\$17,597	\$91,789	\$9,033	\$124,496	\$26,630	\$97,866	4.06	4.67
	Retro-Commissioning	\$1,073,460	\$161,019	\$210,324	\$204,417	\$155,373	\$8,231	\$1,234,480	\$212,648	\$1,021,832	5.05	5.81
	Boiler System Efficiency	\$1,702,813	\$255,422	\$126,033	\$109,891	\$295,635	\$34,018	\$1,958,235	\$143,909	\$1,814,326	11.83	13.61
	STEP	\$230,365	\$34,555	\$19,672	\$17,208	\$13,082	\$11,316	\$264,920	\$28,524	\$236,396	8.08	9.29
	<b>Total</b>	<b>\$5,283,689</b>	<b>\$792,553</b>	<b>\$1,442,352</b>	<b>\$1,121,406</b>	<b>\$1,333,114</b>	<b>\$66,971</b>	<b>\$6,076,242</b>	<b>\$1,188,377</b>	<b>\$4,887,865</b>	<b>4.45</b>	<b>5.11</b>
Low Income	Residential Retrofit	\$4,239,316	\$1,271,795	\$962,253	\$962,253	\$655,542	\$7,633	\$5,511,110	\$969,886	\$4,541,224	4.37	5.68
	Affordable New Construction	\$66,414	\$19,924	\$101,104	\$101,104	\$101,104	\$3,897	\$86,339	\$105,001	(\$18,662)	0.63	0.82
	Public Housing Authority	\$612,564	\$183,769	\$166,509	\$166,509	\$194,637	\$91,553	\$796,334	\$258,062	\$538,271	2.37	3.09
	<b>Total</b>	<b>\$4,918,294</b>	<b>\$1,475,488</b>	<b>\$1,229,866</b>	<b>\$1,229,866</b>	<b>\$951,283</b>	<b>\$103,083</b>	<b>\$6,393,783</b>	<b>\$1,332,949</b>	<b>\$5,060,833</b>	<b>3.69</b>	<b>4.80</b>
Market Transformation	SEDAC	\$45,579	\$6,837	\$133,266	\$133,266	\$131,499	\$6,966	\$52,416	\$140,232	(\$87,816)	0.33	0.37
	K-12 Energy Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	Building Operator Certification	\$0	\$0	\$0	\$0	\$0	\$13,531	\$0	\$13,531	(\$13,531)	0.00	0.00
	Data Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	<b>Total</b>	<b>\$45,579</b>	<b>\$6,837</b>	<b>\$133,266</b>	<b>\$133,266</b>	<b>\$131,499</b>	<b>\$20,497</b>	<b>\$52,416</b>	<b>\$153,763</b>	<b>(\$101,347)</b>	<b>0.30</b>	<b>0.34</b>
<b>Portfolio Non-Program Costs</b>							<b>\$465,891</b>		<b>\$465,891</b>			
<b>Grand Total</b>		<b>\$10,247,562</b>	<b>\$2,274,878</b>	<b>\$2,805,484</b>	<b>\$2,484,538</b>	<b>\$2,415,897</b>	<b>\$656,442</b>	<b>\$12,522,441</b>	<b>\$3,140,980</b>	<b>\$9,847,352</b>	<b>3.26</b>	<b>3.99</b>

Table A-4 Nicor 10-Year Treasury Discount Rate Benefits, Costs, and TRC Scores by Program

Sector (a)	Program (b)	Avoided Energy Costs (c)	Non-Energy Benefits (d)	Incremental Cost (Gross) (e)	Incremental Cost (Net) (f)	Incentive Costs (g)	Non-incentive Costs (h)	TRC Total Benefits (i)=(c+d)	TRC Total Costs (j)=(f+h)	TRC Test Net Benefits (k)=(i-j)	TRC Test (l)=(c/j)	TRC Test (m)=(i/j)
Public Sector	Custom	\$2,693,735	\$404,060	\$2,101,536	\$1,648,544	\$1,920,741	\$211,645	\$3,097,795	\$1,860,189	\$1,237,606	1.45	1.67
	Standard	\$629,254	\$94,388	\$209,712	\$102,446	\$945,926	\$43,977	\$723,643	\$146,423	\$577,220	4.30	4.94
	New Construction	\$1,455,133	\$218,270	\$470,440	\$349,111	\$400,094	\$30,041	\$1,673,402	\$379,152	\$1,294,250	3.84	4.41
	Retro-Commissioning	\$2,251,783	\$337,767	\$651,788	\$620,730	\$458,289	\$26,110	\$2,589,551	\$646,840	\$1,942,711	3.48	4.00
	Boiler System Efficiency	\$1,957,716	\$293,657	\$165,324	\$139,597	\$501,727	\$53,955	\$2,251,374	\$193,552	\$2,057,822	10.11	11.63
	STEP	\$123,297	\$18,495	\$32,303	\$28,872	\$30,034	\$38,353	\$141,791	\$67,225	\$74,567	1.83	2.11
	<b>Total</b>	<b>\$9,110,918</b>	<b>\$1,366,638</b>	<b>\$3,631,102</b>	<b>\$2,889,300</b>	<b>\$4,256,810</b>	<b>\$404,081</b>	<b>\$10,477,556</b>	<b>\$3,293,381</b>	<b>\$7,184,175</b>	<b>2.77</b>	<b>3.18</b>
Low Income	Residential Retrofit	\$2,857,780	\$857,334	\$1,116,958	\$1,116,958	\$691,000	\$9,000	\$3,715,114	\$1,125,958	\$2,589,156	2.54	3.30
	Affordable New Construction	\$487,734	\$146,320	\$524,322	\$524,322	\$524,322	\$11,720	\$634,054	\$536,042	\$98,012	0.91	1.18
	Public Housing Authority	\$780,592	\$234,178	\$49,689	\$49,689	\$248,113	\$114,323	\$1,014,770	\$164,012	\$850,757	4.76	6.19
	<b>Total</b>	<b>\$4,126,106</b>	<b>\$1,237,832</b>	<b>\$1,690,969</b>	<b>\$1,690,969</b>	<b>\$1,463,435</b>	<b>\$135,043</b>	<b>\$5,363,937</b>	<b>\$1,826,012</b>	<b>\$3,537,925</b>	<b>2.26</b>	<b>2.94</b>
Market Transformation	SEDAC	\$62,892	\$9,434	\$416,917	\$416,917	\$410,989	\$23,415	\$72,325	\$440,332	(\$368,007)	0.14	0.16
	K-12 Energy Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	Building Operator Certification	\$0	\$0	\$0	\$0	\$0	\$49,087	\$0	\$49,087	(\$49,087)	0.00	0.00
	Data Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	<b>Total</b>	<b>\$62,892</b>	<b>\$9,434</b>	<b>\$416,917</b>	<b>\$416,917</b>	<b>\$410,989</b>	<b>\$72,503</b>	<b>\$72,325</b>	<b>\$489,420</b>	<b>(\$417,094)</b>	<b>0.13</b>	<b>0.15</b>
Portfolio Non-Program Costs							\$1,201,306		\$1,201,306			
<b>Grand Total</b>		<b>\$13,299,915</b>	<b>\$2,613,903</b>	<b>\$5,738,988</b>	<b>\$4,997,186</b>	<b>\$6,131,235</b>	<b>\$1,812,933</b>	<b>\$15,913,819</b>	<b>\$6,810,119</b>	<b>\$10,305,006</b>	<b>1.95</b>	<b>2.34</b>

Table A-5 North Shore 10-Year Treasury Discount Rate Benefits, Costs, and TRC Scores by Program

Sector (a)	Program (b)	Avoided Energy Costs (c)	Non-Energy Benefits (d)	Incremental Cost (Gross) (e)	Incremental Cost (Net) (f)	Incentive Costs (g)	Non-incentive Costs (h)	TRC Total Benefits (i)=(c+d)	TRC Total Costs (j)=(f+h)	TRC Test Net Benefits (k)=(i-j)	TRC Test (l)=(c/j)	TRC Test (m)=(i/j)
Public Sector	Custom	\$1,236,204	\$185,431	\$512,574	\$397,731	\$451,917	\$52,500	\$1,421,635	\$450,231	\$971,404	2.75	3.16
	Standard	\$52,972	\$7,946	\$10,279	\$4,997	\$59,079	\$0	\$60,918	\$4,997	\$55,920	10.60	12.19
	New Construction	\$0	\$0	\$0	\$0	\$0	\$3,492	\$0	\$3,492	(\$3,492)	0.00	0.00
	Retro-Commissioning	\$36,923	\$5,538	\$44,877	\$44,877	\$38,929	\$3,314	\$42,461	\$48,191	(\$5,730)	0.77	0.88
	Boiler System Efficiency	\$130,576	\$19,586	\$47,283	\$36,360	\$35,718	\$6,500	\$150,162	\$42,860	\$107,302	3.05	3.50
	STEP	\$7,963	\$1,194	\$4,134	\$3,751	\$3,008	\$4,751	\$9,157	\$8,502	\$655	0.94	1.08
	<b>Total</b>	<b>\$1,464,638</b>	<b>\$219,696</b>	<b>\$619,148</b>	<b>\$487,717</b>	<b>\$588,651</b>	<b>\$70,557</b>	<b>\$1,684,333</b>	<b>\$558,274</b>	<b>\$1,126,059</b>	<b>2.62</b>	<b>3.02</b>
Low Income	Residential Retrofit	\$488,967	\$146,690	\$90,287	\$90,287	\$98,200	\$1,800	\$635,658	\$92,087	\$543,571	5.31	6.90
	Affordable New Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	Public Housing Authority	\$22,064	\$6,619	\$4,470	\$4,470	\$25,663	\$12,745	\$28,683	\$17,215	\$11,468	1.28	1.67
	<b>Total</b>	<b>\$511,031</b>	<b>\$153,309</b>	<b>\$94,757</b>	<b>\$94,757</b>	<b>\$123,863</b>	<b>\$14,545</b>	<b>\$664,340</b>	<b>\$109,302</b>	<b>\$555,039</b>	<b>4.68</b>	<b>6.08</b>
Market Transformation	SEDAC	\$740	\$111	\$44,800	\$44,800	\$44,593	\$3,796	\$851	\$48,596	(\$47,745)	0.02	0.02
	K-12 Energy Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	Building Operator Certification	\$0	\$0	\$0	\$0	\$0	\$5,349	\$0	\$5,349	(\$5,349)	0.00	0.00
	Data Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	<b>Total</b>	<b>\$740</b>	<b>\$111</b>	<b>\$44,800</b>	<b>\$44,800</b>	<b>\$44,593</b>	<b>\$9,145</b>	<b>\$851</b>	<b>\$53,945</b>	<b>(\$53,094)</b>	<b>0.01</b>	<b>0.02</b>
Portfolio Non-Program Costs							\$62,471		\$62,471			
<b>Grand Total</b>		<b>\$1,976,409</b>	<b>\$373,116</b>	<b>\$758,704</b>	<b>\$627,274</b>	<b>\$757,106</b>	<b>\$156,719</b>	<b>\$2,349,525</b>	<b>\$783,993</b>	<b>\$1,628,004</b>	<b>2.52</b>	<b>3.00</b>

Table A-6 Peoples 10-Year Treasury Discount Rate Benefits, Costs, and TRC Scores by Program

Sector (a)	Program (b)	Avoided Energy Costs (c)	Non-Energy Benefits (d)	Incremental Cost (Gross) (e)	Incremental Cost (Net) (f)	Incentive Costs (g)	Non-incentive Costs (h)	TRC Total Benefits (i)=(c+d)	TRC Total Costs (j)=(f+h)	TRC Test Net Benefits (k)=(i-j)	TRC Test (l)=(c/j)	TRC Test (m)=(i/j)
Public Sector	Custom	\$5,230,177	\$784,527	\$1,693,316	\$1,556,983	\$1,427,138	\$96,327	\$6,014,704	\$1,653,311	\$4,361,393	3.16	3.64
	Standard	\$523,076	\$78,461	\$75,318	\$41,204	\$344,304	\$13,375	\$601,538	\$54,579	\$546,958	9.58	11.02
	New Construction	\$0	\$0	\$0	\$0	\$0	\$14,180	\$0	\$14,180	(\$14,180)	0.00	0.00
	Retro-Commissioning	\$360,868	\$54,130	\$205,374	\$198,510	\$187,341	\$10,783	\$414,998	\$209,294	\$205,705	1.72	1.98
	Boiler System Efficiency	\$3,731,553	\$559,733	\$163,984	\$146,962	\$170,078	\$45,127	\$4,291,286	\$192,089	\$4,099,197	19.43	22.34
	STEP	\$635,498	\$95,325	\$28,015	\$25,310	\$26,069	\$11,189	\$730,823	\$36,498	\$694,324	17.41	20.02
	<b>Total</b>	<b>\$10,481,172</b>	<b>\$1,572,176</b>	<b>\$2,166,006</b>	<b>\$1,968,970</b>	<b>\$2,154,929</b>	<b>\$190,981</b>	<b>\$12,053,348</b>	<b>\$2,159,951</b>	<b>\$9,893,397</b>	<b>4.85</b>	<b>5.58</b>
Low Income	Residential Retrofit	\$7,261,700	\$2,178,510	\$1,453,517	\$1,453,517	\$774,840	\$9,715	\$9,440,210	\$1,463,232	\$7,976,978	4.96	6.45
	Affordable New Construction	\$592,951	\$177,885	\$631,037	\$631,037	\$631,037	\$6,435	\$770,836	\$637,472	\$133,364	0.93	1.21
	Public Housing Authority	\$2,061,190	\$618,357	\$56,275	\$56,275	\$294,679	\$136,173	\$2,679,548	\$192,448	\$2,487,100	10.71	13.92
	<b>Total</b>	<b>\$9,915,841</b>	<b>\$2,974,752</b>	<b>\$2,140,829</b>	<b>\$2,140,829</b>	<b>\$1,700,556</b>	<b>\$152,323</b>	<b>\$12,890,593</b>	<b>\$2,293,152</b>	<b>\$10,597,441</b>	<b>4.32</b>	<b>5.62</b>
Market Transformation	SEDAC	\$66,202	\$9,930	\$211,590	\$211,590	\$207,319	\$11,933	\$76,132	\$223,524	(\$147,392)	0.30	0.34
	K-12 Energy Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	Building Operator Certification	\$0	\$0	\$0	\$0	\$0	\$22,341	\$0	\$22,341	(\$22,341)	0.00	0.00
	Data Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	<b>Total</b>	<b>\$66,202</b>	<b>\$9,930</b>	<b>\$211,590</b>	<b>\$211,590</b>	<b>\$207,319</b>	<b>\$34,274</b>	<b>\$76,132</b>	<b>\$245,865</b>	<b>(\$169,733)</b>	<b>0.27</b>	<b>0.31</b>
Portfolio Non-Program Costs							\$587,606		\$587,606			
<b>Grand Total</b>		<b>\$20,463,215</b>	<b>\$4,556,858</b>	<b>\$4,518,425</b>	<b>\$4,321,389</b>	<b>\$4,062,805</b>	<b>\$965,184</b>	<b>\$25,020,073</b>	<b>\$5,286,574</b>	<b>\$20,321,106</b>	<b>3.87</b>	<b>4.73</b>

Table A-7 Ameren Electric WACC Discount Rate Benefits, Costs, and TRC Scores by Program

Sector (a)	Program (b)	Avoided Energy Costs (c)	Non-Energy Benefits (d)	Incremental Cost (Gross) (e)	Incremental Cost (Net) (f)	Incentive Costs (g)	Non-incentive Costs (h)	TRC Total Benefits (i)=(c+d)	TRC Total Costs (j)=(f+h)	TRC Test Net Benefits (k)=(i-j)	TRC Test (l)=(c/j)	TRC Test (m)=(i/j)
Public Sector	Custom	\$6,743,386	\$1,011,508	\$2,715,478	\$2,268,968	\$1,893,862	\$7,906	\$7,754,893	\$2,276,874	\$5,478,020	2.96	3.41
	Standard	\$10,026,031	\$1,503,905	\$1,728,255	\$1,589,144	\$2,418,344	\$80,031	\$11,529,936	\$1,669,175	\$9,860,760	6.01	6.91
	New Construction	\$3,504,458	\$525,669	\$868,124	\$508,857	\$610,742	\$40,961	\$4,030,126	\$549,818	\$3,480,309	6.37	7.33
	Retro-Commissioning	\$1,674,543	\$251,181	\$655,227	\$670,567	\$551,157	\$33,658	\$1,925,724	\$704,225	\$1,221,500	2.38	2.73
	Boiler System Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	STEP	\$415,163	\$62,274	\$91,307	\$88,160	\$206,583	\$63,796	\$477,437	\$151,956	\$325,481	2.73	3.14
	<b>Total</b>	<b>\$22,363,580</b>	<b>\$3,354,537</b>	<b>\$6,058,392</b>	<b>\$5,125,695</b>	<b>\$5,680,687</b>	<b>\$226,352</b>	<b>\$25,718,117</b>	<b>\$5,352,048</b>	<b>\$20,366,069</b>	<b>4.18</b>	<b>4.81</b>
Low Income	Residential Retrofit	\$3,584,999	\$1,075,500	\$1,411,750	\$1,411,750	\$1,731,850	\$124,809	\$4,660,498	\$1,536,559	\$3,123,939	2.33	3.03
	Affordable New Construction	\$1,083,012	\$324,904	\$668,960	\$668,960	\$668,960	\$14,931	\$1,407,916	\$683,891	\$724,025	1.58	2.06
	Public Housing Authority	\$757,485	\$227,245	\$477,729	\$477,729	\$506,729	\$252,473	\$984,730	\$730,202	\$254,529	1.04	1.35
	<b>Total</b>	<b>\$5,425,496</b>	<b>\$1,627,649</b>	<b>\$2,558,439</b>	<b>\$2,558,439</b>	<b>\$2,907,539</b>	<b>\$392,213</b>	<b>\$7,053,144</b>	<b>\$2,950,652</b>	<b>\$4,102,493</b>	<b>1.84</b>	<b>2.39</b>
Market Transformation	SEDAC	\$245,112	\$36,767	\$571,066	\$571,066	\$546,981	\$33,403	\$281,878	\$604,468	(\$322,590)	0.41	0.47
	K-12 Energy Efficiency	\$10,892	\$1,634	\$3,108	\$2,597	\$1,460	\$104,392	\$12,525	\$106,989	(\$94,464)	0.10	0.12
	Building Operator Certification	\$318,515	\$47,777	\$46,353	\$46,353	\$0	\$61,674	\$366,293	\$108,027	\$258,266	2.95	3.39
	Data Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	<b>Total</b>	<b>\$574,519</b>	<b>\$86,178</b>	<b>\$620,526</b>	<b>\$620,016</b>	<b>\$548,441</b>	<b>\$199,469</b>	<b>\$660,697</b>	<b>\$819,485</b>	<b>(\$158,788)</b>	<b>0.70</b>	<b>0.81</b>
Portfolio Non-Program Costs							\$1,557,705		\$1,557,705			
<b>Grand Total</b>		<b>\$28,363,594</b>	<b>\$5,068,363</b>	<b>\$9,237,357</b>	<b>\$8,304,150</b>	<b>\$9,136,667</b>	<b>\$2,375,739</b>	<b>\$33,431,958</b>	<b>\$10,679,888</b>	<b>\$24,309,774</b>	<b>2.66</b>	<b>3.13</b>

Table A-8 ComEd WACC Discount Rate Benefits, Costs, and TRC Scores by Program

<i>Sector (a)</i>	<i>Program (b)</i>	<i>Avoided Energy Costs (c)</i>	<i>Non- Energy Benefits (d)</i>	<i>Incremental Cost (Gross) (e)</i>	<i>Incremental Cost (Net) (f)</i>	<i>Incentive Costs (g)</i>	<i>Non- incentive Costs (h)</i>	<i>TRC Total Benefits (i)=(c+d)</i>	<i>TRC Total Costs (j)=(f+h)</i>	<i>TRC Test Net Benefits (k)=(i-j)</i>	<i>TRC Test (l)=(c/j)</i>	<i>TRC Test (m)=(i/j)</i>
Public Sector	Custom	\$11,317,981	\$1,697,697	\$5,881,611	\$4,778,368	\$4,114,768	\$251,198	\$13,015,678	\$5,029,566	\$7,986,112	2.25	2.59
	Standard	\$28,621,727	\$4,293,259	\$8,500,961	\$7,611,401	\$10,821,929	\$160,881	\$32,914,986	\$7,772,282	\$25,142,704	3.68	4.23
	New Construction	\$300,701	\$45,105	\$70,710	\$61,613	\$33,047	\$104,721	\$345,806	\$166,334	\$179,472	1.81	2.08
	Retro-Commissioning	\$6,579,921	\$986,988	\$2,367,512	\$2,395,511	\$1,697,816	\$92,820	\$7,566,910	\$2,488,331	\$5,078,579	2.64	3.04
	Boiler System Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	STEP	\$1,664,283	\$249,642	\$316,263	\$303,083	\$602,111	\$182,808	\$1,913,925	\$485,892	\$1,428,034	3.43	3.94
	<b>Total</b>	<b>\$48,484,612</b>	<b>\$7,272,692</b>	<b>\$17,137,057</b>	<b>\$15,149,977</b>	<b>\$17,269,671</b>	<b>\$792,428</b>	<b>\$55,757,304</b>	<b>\$15,942,405</b>	<b>\$39,814,900</b>	<b>3.04</b>	<b>3.50</b>
Low Income	Residential Retrofit	\$4,161,711	\$1,248,513	\$3,134,953	\$3,134,953	\$4,195,547	\$156,321	\$5,410,225	\$3,291,274	\$2,118,951	1.26	1.64
	Affordable New Construction	\$1,327,944	\$398,383	\$2,703,347	\$2,703,347	\$2,703,347	\$39,339	\$1,726,328	\$2,742,686	(\$1,016,358)	0.48	0.63
	Public Housing Authority	\$949,221	\$284,766	\$674,717	\$674,717	\$1,062,978	\$593,136	\$1,233,988	\$1,267,853	(\$33,866)	0.75	0.97
	<b>Total</b>	<b>\$6,438,877</b>	<b>\$1,931,663</b>	<b>\$6,513,017</b>	<b>\$6,513,017</b>	<b>\$7,961,872</b>	<b>\$788,796</b>	<b>\$8,370,540</b>	<b>\$7,301,813</b>	<b>\$1,068,727</b>	<b>0.88</b>	<b>1.15</b>
Market Transformation	SEDAC	\$1,077,516	\$161,627	\$1,691,364	\$1,691,364	\$1,474,518	\$80,612	\$1,239,144	\$1,771,976	(\$532,832)	0.61	0.70
	K-12 Energy Efficiency	\$6,533	\$980	\$2,242	\$1,873	\$3,946	\$282,245	\$7,513	\$284,118	(\$276,605)	0.02	0.03
	Building Operator Certification	\$655,193	\$98,279	\$135,099	\$135,099	\$0	\$162,506	\$753,472	\$297,605	\$455,868	2.20	2.53
	Data Center	\$0	\$0	\$249,751	\$249,751	\$249,751	\$37,485	\$0	\$287,236	(\$287,236)	0.00	0.00
	<b>Total</b>	<b>\$1,739,243</b>	<b>\$260,886</b>	<b>\$2,078,455</b>	<b>\$2,078,087</b>	<b>\$1,728,215</b>	<b>\$562,848</b>	<b>\$2,000,129</b>	<b>\$2,640,935</b>	<b>(\$640,806)</b>	<b>0.66</b>	<b>0.76</b>
Portfolio Non-Program Costs							\$3,692,731		\$3,692,731			
<b>Grand Total</b>		<b>\$56,662,732</b>	<b>\$9,465,241</b>	<b>\$25,728,529</b>	<b>\$23,741,081</b>	<b>\$26,959,758</b>	<b>\$5,836,803</b>	<b>\$66,127,974</b>	<b>\$29,577,884</b>	<b>\$40,242,821</b>	<b>1.92</b>	<b>2.24</b>

Table A-9 Ameren Gas WACC Discount Rate Benefits, Costs, and TRC Scores by Program

Sector (a)	Program (b)	Avoided Energy Costs (c)	Non-Energy Benefits (d)	Incremental Cost (Gross) (e)	Incremental Cost (Net) (f)	Incentive Costs (g)	Non-incentive Costs (h)	TRC Total Benefits (i)=(c+d)	TRC Total Costs (j)=(f+h)	TRC Test Net Benefits (k)=(i-j)	TRC Test (l)=(c/j)	TRC Test (m)=(i/j)
Public Sector	Custom	\$1,590,400	\$238,560	\$684,580	\$575,299	\$600,421	\$3,019	\$1,828,960	\$578,318	\$1,250,641	2.75	3.16
	Standard	\$232,458	\$34,869	\$306,736	\$196,994	\$176,814	\$1,353	\$267,326	\$198,347	\$68,979	1.17	1.35
	New Construction	\$87,008	\$13,051	\$95,006	\$17,597	\$91,789	\$9,033	\$100,059	\$26,630	\$73,429	3.27	3.76
	Retro-Commissioning	\$928,920	\$139,338	\$210,324	\$204,417	\$155,373	\$8,231	\$1,068,258	\$212,648	\$855,611	4.37	5.02
	Boiler System Efficiency	\$1,514,338	\$227,151	\$126,033	\$109,891	\$295,635	\$34,018	\$1,741,489	\$143,909	\$1,597,580	10.52	12.10
	STEP	\$211,014	\$31,652	\$19,672	\$17,208	\$13,082	\$11,316	\$242,667	\$28,524	\$214,143	7.40	8.51
	<b>Total</b>	<b>\$4,564,139</b>	<b>\$684,621</b>	<b>\$1,442,352</b>	<b>\$1,121,406</b>	<b>\$1,333,114</b>	<b>\$66,971</b>	<b>\$5,248,759</b>	<b>\$1,188,377</b>	<b>\$4,060,383</b>	<b>3.84</b>	<b>4.42</b>
Low Income	Residential Retrofit	\$3,435,838	\$1,030,751	\$962,253	\$962,253	\$655,542	\$7,633	\$4,466,589	\$969,886	\$3,496,703	3.54	4.61
	Affordable New Construction	\$54,088	\$16,226	\$101,104	\$101,104	\$101,104	\$3,897	\$70,314	\$105,001	(\$34,687)	0.52	0.67
	Public Housing Authority	\$495,942	\$148,783	\$166,509	\$166,509	\$194,637	\$91,553	\$644,725	\$258,062	\$386,663	1.92	2.50
	<b>Total</b>	<b>\$3,985,868</b>	<b>\$1,195,760</b>	<b>\$1,229,866</b>	<b>\$1,229,866</b>	<b>\$951,283</b>	<b>\$103,083</b>	<b>\$5,181,628</b>	<b>\$1,332,949</b>	<b>\$3,848,679</b>	<b>2.99</b>	<b>3.89</b>
Market Transformation	SEDAC	\$37,996	\$5,699	\$133,266	\$133,266	\$131,499	\$6,966	\$43,695	\$140,232	(\$96,537)	0.27	0.31
	K-12 Energy Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	Building Operator Certification	\$0	\$0	\$0	\$0	\$0	\$13,531	\$0	\$13,531	(\$13,531)	0.00	0.00
	Data Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	<b>Total</b>	<b>\$37,996</b>	<b>\$5,699</b>	<b>\$133,266</b>	<b>\$133,266</b>	<b>\$131,499</b>	<b>\$20,497</b>	<b>\$43,695</b>	<b>\$153,763</b>	<b>(\$110,068)</b>	<b>0.25</b>	<b>0.28</b>
<b>Portfolio Non-Program Costs</b>							<b>\$465,891</b>		<b>\$465,891</b>			
<b>Grand Total</b>		<b>\$8,588,002</b>	<b>\$1,886,080</b>	<b>\$2,805,484</b>	<b>\$2,484,538</b>	<b>\$2,415,897</b>	<b>\$656,442</b>	<b>\$10,474,082</b>	<b>\$3,140,980</b>	<b>\$7,798,993</b>	<b>2.73</b>	<b>3.33</b>



Table A-10 Nicor WACC Discount Rate Benefits, Costs, and TRC Scores by Program

Sector (a)	Program (b)	Avoided Energy Costs (c)	Non-Energy Benefits (d)	Incremental Cost (Gross) (e)	Incremental Cost (Net) (f)	Incentive Costs (g)	Non-incentive Costs (h)	TRC Total Benefits (i)=(c+d)	TRC Total Costs (j)=(f+h)	TRC Test Net Benefits (k)=(i-j)	TRC Test (l)=(c/j)	TRC Test (m)=(i/j)
Public Sector	Custom	\$1,880,887	\$282,133	\$2,101,536	\$1,648,544	\$1,920,741	\$211,645	\$2,163,020	\$1,860,189	\$302,831	1.01	1.16
	Standard	\$398,767	\$59,815	\$209,712	\$102,446	\$945,926	\$43,977	\$458,582	\$146,423	\$312,159	2.72	3.13
	New Construction	\$909,020	\$136,353	\$470,440	\$349,111	\$400,094	\$30,041	\$1,045,373	\$379,152	\$666,220	2.40	2.76
	Retro-Commissioning	\$1,640,828	\$246,124	\$651,788	\$620,730	\$458,289	\$26,110	\$1,886,952	\$646,840	\$1,240,112	2.54	2.92
	Boiler System Efficiency	\$1,546,223	\$231,933	\$165,324	\$139,597	\$501,727	\$53,955	\$1,778,156	\$193,552	\$1,584,604	7.99	9.19
	STEP	\$98,447	\$14,767	\$32,303	\$28,872	\$30,034	\$38,353	\$113,214	\$67,225	\$45,990	1.46	1.68
	<b>Total</b>	<b>\$6,474,171</b>	<b>\$971,126</b>	<b>\$3,631,102</b>	<b>\$2,889,300</b>	<b>\$4,256,810</b>	<b>\$404,081</b>	<b>\$7,445,297</b>	<b>\$3,293,381</b>	<b>\$4,151,916</b>	<b>1.97</b>	<b>2.26</b>
Low Income	Residential Retrofit	\$1,839,747	\$551,924	\$1,116,958	\$1,116,958	\$691,000	\$9,000	\$2,391,671	\$1,125,958	\$1,265,714	1.63	2.12
	Affordable New Construction	\$312,007	\$93,602	\$524,322	\$524,322	\$524,322	\$11,720	\$405,609	\$536,042	(\$130,433)	0.58	0.76
	Public Housing Authority	\$457,906	\$137,372	\$49,689	\$49,689	\$248,113	\$114,323	\$595,278	\$164,012	\$431,266	2.79	3.63
	<b>Total</b>	<b>\$2,609,660</b>	<b>\$782,898</b>	<b>\$1,690,969</b>	<b>\$1,690,969</b>	<b>\$1,463,435</b>	<b>\$135,043</b>	<b>\$3,392,558</b>	<b>\$1,826,012</b>	<b>\$1,566,547</b>	<b>1.43</b>	<b>1.86</b>
Market Transformation	SEDAC	\$44,646	\$6,697	\$416,917	\$416,917	\$410,989	\$23,415	\$51,342	\$440,332	(\$388,990)	0.10	0.12
	K-12 Energy Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	Building Operator Certification	\$0	\$0	\$0	\$0	\$0	\$49,087	\$0	\$49,087	(\$49,087)	0.00	0.00
	Data Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	<b>Total</b>	<b>\$44,646</b>	<b>\$6,697</b>	<b>\$416,917</b>	<b>\$416,917</b>	<b>\$410,989</b>	<b>\$72,503</b>	<b>\$51,342</b>	<b>\$489,420</b>	<b>(\$438,077)</b>	<b>0.09</b>	<b>0.10</b>
Portfolio Non-Program Costs							\$1,201,306		\$1,201,306			
<b>Grand Total</b>		<b>\$9,128,477</b>	<b>\$1,760,721</b>	<b>\$5,738,988</b>	<b>\$4,997,186</b>	<b>\$6,131,235</b>	<b>\$1,812,933</b>	<b>\$10,889,198</b>	<b>\$6,810,119</b>	<b>\$5,280,385</b>	<b>1.34</b>	<b>1.60</b>

Table A-11 North Shore WACC Discount Rate Benefits, Costs, and TRC Scores by Program

Sector (a)	Program (b)	Avoided Energy Costs (c)	Non-Energy Benefits (d)	Incremental Cost (Gross) (e)	Incremental Cost (Net) (f)	Incentive Costs (g)	Non-incentive Costs (h)	TRC Total Benefits (i)=(c+d)	TRC Total Costs (j)=(f+h)	TRC Test Net Benefits (k)=(i-j)	TRC Test (l)=(c/j)	TRC Test (m)=(i/j)
Public Sector	Custom	\$991,251	\$148,688	\$512,574	\$397,731	\$451,917	\$52,500	\$1,139,939	\$450,231	\$689,708	2.20	2.53
	Standard	\$39,512	\$5,927	\$10,279	\$4,997	\$59,079	\$0	\$45,439	\$4,997	\$40,442	7.91	9.09
	New Construction	\$0	\$0	\$0	\$0	\$0	\$3,492	\$0	\$3,492	(\$3,492)	0.00	0.00
	Retro-Commissioning	\$34,690	\$5,203	\$44,877	\$44,877	\$38,929	\$3,314	\$39,893	\$48,191	(\$8,298)	0.72	0.83
	Boiler System Efficiency	\$105,090	\$15,764	\$47,283	\$36,360	\$35,718	\$6,500	\$120,854	\$42,860	\$77,994	2.45	2.82
	STEP	\$7,059	\$1,059	\$4,134	\$3,751	\$3,008	\$4,751	\$8,118	\$8,502	(\$384)	0.83	0.95
	<b>Total</b>	<b>\$1,177,603</b>	<b>\$176,640</b>	<b>\$619,148</b>	<b>\$487,717</b>	<b>\$588,651</b>	<b>\$70,557</b>	<b>\$1,354,244</b>	<b>\$558,274</b>	<b>\$795,969</b>	<b>2.11</b>	<b>2.43</b>
Low Income	Residential Retrofit	\$378,561	\$113,568	\$90,287	\$90,287	\$98,200	\$1,800	\$492,130	\$92,087	\$400,043	4.11	5.34
	Affordable New Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	Public Housing Authority	\$20,729	\$6,219	\$4,470	\$4,470	\$25,663	\$12,745	\$26,948	\$17,215	\$9,733	1.20	1.57
	<b>Total</b>	<b>\$399,291</b>	<b>\$119,787</b>	<b>\$94,757</b>	<b>\$94,757</b>	<b>\$123,863</b>	<b>\$14,545</b>	<b>\$519,078</b>	<b>\$109,302</b>	<b>\$409,776</b>	<b>3.65</b>	<b>4.75</b>
Market Transformation	SEDAC	\$711	\$107	\$44,800	\$44,800	\$44,593	\$3,796	\$818	\$48,596	(\$47,778)	0.01	0.02
	K-12 Energy Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	Building Operator Certification	\$0	\$0	\$0	\$0	\$0	\$5,349	\$0	\$5,349	(\$5,349)	0.00	0.00
	Data Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	<b>Total</b>	<b>\$711</b>	<b>\$107</b>	<b>\$44,800</b>	<b>\$44,800</b>	<b>\$44,593</b>	<b>\$9,145</b>	<b>\$818</b>	<b>\$53,945</b>	<b>(\$53,127)</b>	<b>0.01</b>	<b>0.02</b>
Portfolio Non-Program Costs							\$62,471		\$62,471			
<b>Grand Total</b>		<b>\$1,577,605</b>	<b>\$296,534</b>	<b>\$758,704</b>	<b>\$627,274</b>	<b>\$757,106</b>	<b>\$156,719</b>	<b>\$1,874,140</b>	<b>\$783,993</b>	<b>\$1,152,618</b>	<b>2.01</b>	<b>2.39</b>

Table A-12 Peoples WACC Discount Rate Benefits, Costs, and TRC Scores by Program

<i>Sector (a)</i>	<i>Program (b)</i>	<i>Avoided Energy Costs (c)</i>	<i>Non- Energy Benefits (d)</i>	<i>Incremental Cost (Gross) (e)</i>	<i>Incremental Cost (Net) (f)</i>	<i>Incentive Costs (g)</i>	<i>Non- incentive Costs (h)</i>	<i>TRC Total Benefits (i)=(c+d)</i>	<i>TRC Total Costs (j)=(f+h)</i>	<i>TRC Test Net Benefits (k)=(i-j)</i>	<i>TRC Test (l)=(c/j)</i>	<i>TRC Test (m)=(i/j)</i>
Public Sector	Custom	\$4,211,660	\$631,749	\$1,693,316	\$1,556,983	\$1,427,138	\$96,327	\$4,843,409	\$1,653,311	\$3,190,099	2.55	2.93
	Standard	\$398,606	\$59,791	\$75,318	\$41,204	\$344,304	\$13,375	\$458,397	\$54,580	\$403,817	7.30	8.40
	New Construction	\$0	\$0	\$0	\$0	\$0	\$14,180	\$0	\$14,180	(\$14,180)	0.00	0.00
	Retro-Commissioning	\$290,604	\$43,591	\$205,374	\$198,510	\$187,341	\$10,783	\$334,194	\$209,294	\$124,901	1.39	1.60
	Boiler System Efficiency	\$3,076,815	\$461,522	\$163,984	\$146,962	\$170,078	\$45,127	\$3,538,338	\$192,089	\$3,346,248	16.02	18.42
	STEP	\$553,620	\$83,043	\$28,015	\$25,310	\$26,069	\$11,189	\$636,663	\$36,498	\$600,165	15.17	17.44
	<b>Total</b>	<b>\$8,531,305</b>	<b>\$1,279,696</b>	<b>\$2,166,006</b>	<b>\$1,968,970</b>	<b>\$2,154,929</b>	<b>\$190,981</b>	<b>\$9,811,001</b>	<b>\$2,159,952</b>	<b>\$7,651,050</b>	<b>3.95</b>	<b>4.54</b>
Low Income	Residential Retrofit	\$5,317,482	\$1,595,245	\$1,453,517	\$1,453,517	\$774,840	\$9,715	\$6,912,726	\$1,463,232	\$5,449,495	3.63	4.72
	Affordable New Construction	\$442,011	\$132,603	\$631,037	\$631,037	\$631,037	\$6,435	\$574,614	\$637,472	(\$62,858)	0.69	0.90
	Public Housing Authority	\$1,615,128	\$484,538	\$56,275	\$56,275	\$294,679	\$136,173	\$2,099,666	\$192,448	\$1,907,218	8.39	10.91
	<b>Total</b>	<b>\$7,374,621</b>	<b>\$2,212,386</b>	<b>\$2,140,829</b>	<b>\$2,140,829</b>	<b>\$1,700,556</b>	<b>\$152,323</b>	<b>\$9,587,007</b>	<b>\$2,293,152</b>	<b>\$7,293,855</b>	<b>3.22</b>	<b>4.18</b>
Market Transformation	SEDAC	\$53,778	\$8,067	\$211,590	\$211,590	\$207,319	\$11,933	\$61,844	\$223,524	(\$161,679)	0.24	0.28
	K-12 Energy Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	Building Operator Certification	\$0	\$0	\$0	\$0	\$0	\$22,341	\$0	\$22,341	(\$22,341)	0.00	0.00
	Data Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	<b>Total</b>	<b>\$53,778</b>	<b>\$8,067</b>	<b>\$211,590</b>	<b>\$211,590</b>	<b>\$207,319</b>	<b>\$34,274</b>	<b>\$61,844</b>	<b>\$245,865</b>	<b>(\$184,020)</b>	<b>0.22</b>	<b>0.25</b>
<b>Portfolio Non-Program Costs</b>							<b>\$587,606</b>		<b>\$587,606</b>			
<b>Grand Total</b>		<b>\$15,959,704</b>	<b>\$3,500,149</b>	<b>\$4,518,425</b>	<b>\$4,321,389</b>	<b>\$4,062,805</b>	<b>\$965,184</b>	<b>\$19,459,852</b>	<b>\$5,286,573</b>	<b>\$14,760,885</b>	<b>3.02</b>	<b>3.68</b>

Table A-13 Ameren Electric 10-Year Treasury Discount Rate Benefits, Costs, and UCT Scores by Program

<i>Sector (a)</i>	<i>Program (b)</i>	<i>Avoided Energy Costs (c)</i>	<i>Non- Energy Benefits (d)</i>	<i>Incremental Cost (Gross) (e)</i>	<i>Incremental Cost (Net) (f)</i>	<i>Incentive Costs (g)</i>	<i>Non- incentive Costs (h)</i>	<i>UCT Total Benefits (i)=(a)</i>	<i>UCT Total Costs (j)=(g+h)</i>	<i>UCT Test Net Benefits (k)=(i-j)</i>	<i>UCT Test (l)=(i/j)</i>
Public Sector	Custom	\$8,702,406	\$1,305,361	\$2,715,478	\$2,268,968	\$1,893,862	\$7,906	\$8,702,406	\$1,901,767	\$6,800,638	4.58
	Standard	\$11,628,454	\$1,744,268	\$1,728,255	\$1,589,144	\$2,418,344	\$80,031	\$11,628,454	\$2,498,376	\$9,130,078	4.65
	New Construction	\$4,361,521	\$654,228	\$868,124	\$508,857	\$610,742	\$40,961	\$4,361,521	\$651,703	\$3,709,818	6.69
	Retro-Commissioning	\$1,962,481	\$294,372	\$655,227	\$670,567	\$551,157	\$33,658	\$1,962,481	\$584,815	\$1,377,667	3.36
	Boiler System Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	STEP	\$468,071	\$70,211	\$91,307	\$88,160	\$206,583	\$63,796	\$468,071	\$270,379	\$197,692	1.73
	<b>Total</b>	<b>\$27,122,933</b>	<b>\$4,068,440</b>	<b>\$6,058,392</b>	<b>\$5,125,695</b>	<b>\$5,680,687</b>	<b>\$226,352</b>	<b>\$27,122,933</b>	<b>\$5,907,039</b>	<b>\$21,215,894</b>	<b>4.59</b>
Low Income	Residential Retrofit	\$4,300,766	\$1,290,230	\$1,411,750	\$1,411,750	\$1,731,850	\$124,809	\$4,300,766	\$1,856,659	\$2,444,107	2.32
	Affordable New Construction	\$1,306,032	\$391,810	\$668,960	\$668,960	\$668,960	\$14,931	\$1,306,032	\$683,891	\$622,141	1.91
	Public Housing Authority	\$913,010	\$273,903	\$477,729	\$477,729	\$506,729	\$252,473	\$913,010	\$759,202	\$153,808	1.20
	<b>Total</b>	<b>\$6,519,808</b>	<b>\$1,955,943</b>	<b>\$2,558,439</b>	<b>\$2,558,439</b>	<b>\$2,907,539</b>	<b>\$392,213</b>	<b>\$6,519,808</b>	<b>\$3,299,752</b>	<b>\$3,220,056</b>	<b>1.98</b>
Market Transformation	SEDAC	\$287,049	\$43,057	\$571,066	\$571,066	\$546,981	\$33,403	\$287,049	\$580,384	(\$293,334)	0.49
	K-12 Energy Efficiency	\$11,821	\$1,773	\$3,108	\$2,597	\$1,460	\$104,392	\$11,821	\$105,852	(\$94,031)	0.11
	Building Operator Certification	\$354,241	\$53,136	\$46,353	\$46,353	\$0	\$61,674	\$354,241	\$61,674	\$292,567	5.74
	Data Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	<b>Total</b>	<b>\$653,112</b>	<b>\$97,967</b>	<b>\$620,526</b>	<b>\$620,016</b>	<b>\$548,441</b>	<b>\$199,469</b>	<b>\$653,112</b>	<b>\$747,910</b>	<b>(\$94,798)</b>	<b>0.87</b>
<b>Portfolio Non-Program Costs</b>							<b>\$1,557,705</b>		<b>\$1,557,705</b>		
<b>Grand Total</b>		<b>\$34,295,853</b>	<b>\$6,122,349</b>	<b>\$9,237,357</b>	<b>\$8,304,150</b>	<b>\$9,136,667</b>	<b>\$2,375,739</b>	<b>\$34,295,853</b>	<b>\$11,512,406</b>	<b>\$24,341,152</b>	<b>2.98</b>

Table A-14 ComEd 10-Year Treasury Discount Rate Benefits, Costs, and UCT Scores by Program

Sector (a)	Program (b)	Avoided Energy Costs (c)	Non-Energy Benefits (d)	Incremental Cost (Gross) (e)	Incremental Cost (Net) (f)	Incentive Costs (g)	Non-incentive Costs (h)	UCT Total Benefits (i)=(a)	UCT Total Costs (j)=(g+h)	UCT Test Net Benefits (k)=(i-j)	UCT Test (l)=(i/j)
Public Sector	Custom	\$14,666,098	\$2,199,915	\$5,881,611	\$4,778,368	\$4,114,768	\$251,198	\$14,666,098	\$4,365,967	\$10,300,132	3.36
	Standard	\$36,670,379	\$5,500,557	\$8,500,961	\$7,611,401	\$10,821,929	\$160,881	\$36,670,379	\$10,982,810	\$25,687,569	3.34
	New Construction	\$433,431	\$65,015	\$70,710	\$61,613	\$33,047	\$104,721	\$433,431	\$137,768	\$295,663	3.15
	Retro-Commissioning	\$8,568,584	\$1,285,288	\$2,367,512	\$2,395,511	\$1,697,816	\$92,820	\$8,568,584	\$1,790,635	\$6,777,949	4.79
	Boiler System Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	STEP	\$2,008,802	\$301,320	\$316,263	\$303,083	\$602,111	\$182,808	\$2,008,802	\$784,919	\$1,223,883	2.56
	<b>Total</b>	<b>\$62,347,295</b>	<b>\$9,352,094</b>	<b>\$17,137,057</b>	<b>\$15,149,977</b>	<b>\$17,269,671</b>	<b>\$792,428</b>	<b>\$62,347,295</b>	<b>\$18,062,099</b>	<b>\$44,285,195</b>	<b>3.45</b>
Low Income	Residential Retrofit	\$5,642,595	\$1,692,778	\$3,134,953	\$3,134,953	\$4,195,547	\$156,321	\$5,642,595	\$4,351,868	\$1,290,727	1.30
	Affordable New Construction	\$1,816,152	\$544,846	\$2,703,347	\$2,703,347	\$2,703,347	\$39,339	\$1,816,152	\$2,742,686	(\$926,534)	0.66
	Public Housing Authority	\$1,199,522	\$359,857	\$674,717	\$674,717	\$1,062,978	\$593,136	\$1,199,522	\$1,656,114	(\$456,592)	0.72
	<b>Total</b>	<b>\$8,658,270</b>	<b>\$2,597,481</b>	<b>\$6,513,017</b>	<b>\$6,513,017</b>	<b>\$7,961,872</b>	<b>\$788,796</b>	<b>\$8,658,270</b>	<b>\$8,750,668</b>	<b>(\$92,398)</b>	<b>0.99</b>
Market Transformation	SEDAC	\$1,381,998	\$207,300	\$1,691,364	\$1,691,364	\$1,474,518	\$80,612	\$1,381,998	\$1,555,130	(\$173,132)	0.89
	K-12 Energy Efficiency	\$7,496	\$1,124	\$2,242	\$1,873	\$3,946	\$282,245	\$7,496	\$286,191	(\$278,695)	0.03
	Building Operator Certification	\$785,639	\$117,846	\$135,099	\$135,099	\$0	\$162,506	\$785,639	\$162,506	\$623,133	4.83
	Data Center	\$0	\$0	\$249,751	\$249,751	\$249,751	\$37,485	\$0	\$287,236	(\$287,236)	0.00
	<b>Total</b>	<b>\$2,175,133</b>	<b>\$326,270</b>	<b>\$2,078,455</b>	<b>\$2,078,087</b>	<b>\$1,728,215</b>	<b>\$562,848</b>	<b>\$2,175,133</b>	<b>\$2,291,063</b>	<b>(\$115,930)</b>	<b>0.95</b>
Portfolio Non-Program Costs							\$3,692,731		\$3,692,731		
Grand Total		\$73,180,697	\$12,275,845	\$25,728,529	\$23,741,081	\$26,959,758	\$5,836,803	\$73,180,697	\$32,796,561	\$44,076,867	2.23

Table A-15 Ameren Gas 10-Year Treasury Discount Rate Benefits, Costs, and UCT Scores by Program

Sector (a)	Program (b)	Avoided Energy Costs (c)	Non-Energy Benefits (d)	Incremental Cost (Gross) (e)	Incremental Cost (Net) (f)	Incentive Costs (g)	Non-incentive Costs (h)	UCT Total Benefits (i)=(a)	UCT Total Costs (j)=(g+h)	UCT Test Net Benefits (k)=(i-j)	UCT Test (l)=(i/j)
Public Sector	Custom	\$1,887,865	\$283,180	\$684,580	\$575,299	\$600,421	\$3,019	\$1,887,865	\$603,441	\$1,284,424	3.13
	Standard	\$280,927	\$42,139	\$306,736	\$196,994	\$176,814	\$1,353	\$280,927	\$178,167	\$102,760	1.58
	New Construction	\$108,258	\$16,239	\$95,006	\$17,597	\$91,789	\$9,033	\$108,258	\$100,823	\$7,435	1.07
	Retro-Commissioning	\$1,073,460	\$161,019	\$210,324	\$204,417	\$155,373	\$8,231	\$1,073,460	\$163,604	\$909,857	6.56
	Boiler System Efficiency	\$1,702,813	\$255,422	\$126,033	\$109,891	\$295,635	\$34,018	\$1,702,813	\$329,653	\$1,373,160	5.17
	STEP	\$230,365	\$34,555	\$19,672	\$17,208	\$13,082	\$11,316	\$230,365	\$24,398	\$205,967	9.44
	<b>Total</b>	<b>\$5,283,689</b>	<b>\$792,553</b>	<b>\$1,442,352</b>	<b>\$1,121,406</b>	<b>\$1,333,114</b>	<b>\$66,971</b>	<b>\$5,283,689</b>	<b>\$1,400,085</b>	<b>\$3,883,603</b>	<b>3.77</b>
Low Income	Residential Retrofit	\$4,239,316	\$1,271,795	\$962,253	\$962,253	\$655,542	\$7,633	\$4,239,316	\$663,175	\$3,576,141	6.39
	Affordable New Construction	\$66,414	\$19,924	\$101,104	\$101,104	\$101,104	\$3,897	\$66,414	\$105,001	(\$38,587)	0.63
	Public Housing Authority	\$612,564	\$183,769	\$166,509	\$166,509	\$194,637	\$91,553	\$612,564	\$286,190	\$326,374	2.14
	<b>Total</b>	<b>\$4,918,294</b>	<b>\$1,475,488</b>	<b>\$1,229,866</b>	<b>\$1,229,866</b>	<b>\$951,283</b>	<b>\$103,083</b>	<b>\$4,918,294</b>	<b>\$1,054,366</b>	<b>\$3,863,928</b>	<b>4.66</b>
Market Transformation	SEDAC	\$45,579	\$6,837	\$133,266	\$133,266	\$131,499	\$6,966	\$45,579	\$138,466	(\$92,887)	0.33
	K-12 Energy Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Building Operator Certification	\$0	\$0	\$0	\$0	\$0	\$13,531	\$0	\$13,531	(\$13,531)	0.00
	Data Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	<b>Total</b>	<b>\$45,579</b>	<b>\$6,837</b>	<b>\$133,266</b>	<b>\$133,266</b>	<b>\$131,499</b>	<b>\$20,497</b>	<b>\$45,579</b>	<b>\$151,996</b>	<b>(\$106,417)</b>	<b>0.30</b>
<b>Portfolio Non-Program Costs</b>							<b>\$465,891</b>		<b>\$465,891</b>		
<b>Grand Total</b>		<b>\$10,247,562</b>	<b>\$2,274,878</b>	<b>\$2,805,484</b>	<b>\$2,484,538</b>	<b>\$2,415,897</b>	<b>\$656,442</b>	<b>\$10,247,562</b>	<b>\$3,072,339</b>	<b>\$7,641,114</b>	<b>3.34</b>

Table A-16 Nicor 10-Year Treasury Discount Rate Benefits, Costs, and UCT Scores by Program

Sector (a)	Program (b)	Avoided Energy Costs (c)	Non-Energy Benefits (d)	Incremental Cost (Gross) (e)	Incremental Cost (Net) (f)	Incentive Costs (g)	Non-incentive Costs (h)	UCT Total Benefits (i)=(a)	UCT Total Costs (j)=(g+h)	UCT Test Net Benefits (k)=(i-j)	UCT Test (l)=(i/j)
Public Sector	Custom	\$2,693,735	\$404,060	\$2,101,536	\$1,648,544	\$1,920,741	\$211,645	\$2,693,735	\$2,132,386	\$561,349	1.26
	Standard	\$629,254	\$94,388	\$209,712	\$102,446	\$945,926	\$43,977	\$629,254	\$989,903	(\$360,649)	0.64
	New Construction	\$1,455,133	\$218,270	\$470,440	\$349,111	\$400,094	\$30,041	\$1,455,133	\$430,135	\$1,024,998	3.38
	Retro-Commissioning	\$2,251,783	\$337,767	\$651,788	\$620,730	\$458,289	\$26,110	\$2,251,783	\$484,399	\$1,767,384	4.65
	Boiler System Efficiency	\$1,957,716	\$293,657	\$165,324	\$139,597	\$501,727	\$53,955	\$1,957,716	\$555,682	\$1,402,034	3.52
	STEP	\$123,297	\$18,495	\$32,303	\$28,872	\$30,034	\$38,353	\$123,297	\$68,387	\$54,910	1.80
	<b>Total</b>	<b>\$9,110,918</b>	<b>\$1,366,638</b>	<b>\$3,631,102</b>	<b>\$2,889,300</b>	<b>\$4,256,810</b>	<b>\$404,081</b>	<b>\$9,110,918</b>	<b>\$4,660,892</b>	<b>\$4,450,026</b>	<b>1.95</b>
Low Income	Residential Retrofit	\$2,857,780	\$857,334	\$1,116,958	\$1,116,958	\$691,000	\$9,000	\$2,857,780	\$700,000	\$2,157,780	4.08
	Affordable New Construction	\$487,734	\$146,320	\$524,322	\$524,322	\$524,322	\$11,720	\$487,734	\$536,042	(\$48,308)	0.91
	Public Housing Authority	\$780,592	\$234,178	\$49,689	\$49,689	\$248,113	\$114,323	\$780,592	\$362,436	\$418,156	2.15
	<b>Total</b>	<b>\$4,126,106</b>	<b>\$1,237,832</b>	<b>\$1,690,969</b>	<b>\$1,690,969</b>	<b>\$1,463,435</b>	<b>\$135,043</b>	<b>\$4,126,106</b>	<b>\$1,598,478</b>	<b>\$2,527,628</b>	<b>2.58</b>
Market Transformation	SEDAC	\$62,892	\$9,434	\$416,917	\$416,917	\$410,989	\$23,415	\$62,892	\$434,404	(\$371,513)	0.14
	K-12 Energy Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Building Operator Certification	\$0	\$0	\$0	\$0	\$0	\$49,087	\$0	\$49,087	(\$49,087)	0.00
	Data Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	<b>Total</b>	<b>\$62,892</b>	<b>\$9,434</b>	<b>\$416,917</b>	<b>\$416,917</b>	<b>\$410,989</b>	<b>\$72,503</b>	<b>\$62,892</b>	<b>\$483,492</b>	<b>(\$420,600)</b>	<b>0.13</b>
<b>Portfolio Non-Program Costs</b>							<b>\$1,201,306</b>		<b>\$1,201,306</b>		
<b>Grand Total</b>		<b>\$13,299,915</b>	<b>\$2,613,903</b>	<b>\$5,738,988</b>	<b>\$4,997,186</b>	<b>\$6,131,235</b>	<b>\$1,812,933</b>	<b>\$13,299,915</b>	<b>\$7,944,168</b>	<b>\$6,557,054</b>	<b>1.67</b>

Table A-17 North Shore 10-Year Treasury Discount Rate Benefits, Costs, and UCT Scores by Program

Sector (a)	Program (b)	Avoided Energy Costs (c)	Non-Energy Benefits (d)	Incremental Cost (Gross) (e)	Incremental Cost (Net) (f)	Incentive Costs (g)	Non-incentive Costs (h)	UCT Total Benefits (i)=(a)	UCT Total Costs (j)=(g+h)	UCT Test Net Benefits (k)=(i-j)	UCT Test (l)=(i/j)
Public Sector	Custom	\$1,236,204	\$185,431	\$512,574	\$397,731	\$451,917	\$52,500	\$1,236,204	\$504,417	\$731,788	2.45
	Standard	\$52,972	\$7,946	\$10,279	\$4,997	\$59,079	\$0	\$52,972	\$59,079	(\$6,107)	0.90
	New Construction	\$0	\$0	\$0	\$0	\$0	\$3,492	\$0	\$3,492	(\$3,492)	0.00
	Retro-Commissioning	\$36,923	\$5,538	\$44,877	\$44,877	\$38,929	\$3,314	\$36,923	\$42,243	(\$5,321)	0.87
	Boiler System Efficiency	\$130,576	\$19,586	\$47,283	\$36,360	\$35,718	\$6,500	\$130,576	\$42,218	\$88,358	3.09
	STEP	\$7,963	\$1,194	\$4,134	\$3,751	\$3,008	\$4,751	\$7,963	\$7,759	\$204	1.03
	<b>Total</b>	<b>\$1,464,638</b>	<b>\$219,696</b>	<b>\$619,148</b>	<b>\$487,717</b>	<b>\$588,651</b>	<b>\$70,557</b>	<b>\$1,464,638</b>	<b>\$659,208</b>	<b>\$805,430</b>	<b>2.22</b>
Low Income	Residential Retrofit	\$488,967	\$146,690	\$90,287	\$90,287	\$98,200	\$1,800	\$488,967	\$100,000	\$388,967	4.89
	Affordable New Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Public Housing Authority	\$22,064	\$6,619	\$4,470	\$4,470	\$25,663	\$12,745	\$22,064	\$38,408	(\$16,344)	0.57
	<b>Total</b>	<b>\$511,031</b>	<b>\$153,309</b>	<b>\$94,757</b>	<b>\$94,757</b>	<b>\$123,863</b>	<b>\$14,545</b>	<b>\$511,031</b>	<b>\$138,408</b>	<b>\$372,623</b>	<b>3.69</b>
Market Transformation	SEDAC	\$740	\$111	\$44,800	\$44,800	\$44,593	\$3,796	\$740	\$48,389	(\$47,648)	0.02
	K-12 Energy Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Building Operator Certification	\$0	\$0	\$0	\$0	\$0	\$5,349	\$0	\$5,349	(\$5,349)	0.00
	Data Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	<b>Total</b>	<b>\$740</b>	<b>\$111</b>	<b>\$44,800</b>	<b>\$44,800</b>	<b>\$44,593</b>	<b>\$9,145</b>	<b>\$740</b>	<b>\$53,738</b>	<b>(\$52,998)</b>	<b>0.01</b>
<b>Portfolio Non-Program Costs</b>							<b>\$62,471</b>		<b>\$62,471</b>		
<b>Grand Total</b>		<b>\$1,976,409</b>	<b>\$373,116</b>	<b>\$758,704</b>	<b>\$627,274</b>	<b>\$757,106</b>	<b>\$156,719</b>	<b>\$1,976,409</b>	<b>\$913,825</b>	<b>\$1,125,055</b>	<b>2.16</b>



Table A-18 Peoples 10-Year Treasury Discount Rate Benefits, Costs, and UCT Scores by Program

<i>Sector (a)</i>	<i>Program (b)</i>	<i>Avoided Energy Costs (c)</i>	<i>Non- Energy Benefits (d)</i>	<i>Incremental Cost (Gross) (e)</i>	<i>Incremental Cost (Net) (f)</i>	<i>Incentive Costs (g)</i>	<i>Non- incentive Costs (h)</i>	<i>UCT Total Benefits (i)=(a)</i>	<i>UCT Total Costs (j)=(g+h)</i>	<i>UCT Test Net Benefits (k)=(i-j)</i>	<i>UCT Test (l)=(i/j)</i>
Public Sector	Custom	\$5,230,177	\$784,527	\$1,693,316	\$1,556,983	\$1,427,138	\$96,327	\$5,230,177	\$1,523,465	\$3,706,712	3.43
	Standard	\$523,076	\$78,461	\$75,318	\$41,204	\$344,304	\$13,375	\$523,076	\$357,679	\$165,398	1.46
	New Construction	\$0	\$0	\$0	\$0	\$0	\$14,180	\$0	\$14,180	(\$14,180)	0.00
	Retro-Commissioning	\$360,868	\$54,130	\$205,374	\$198,510	\$187,341	\$10,783	\$360,868	\$198,124	\$162,744	1.82
	Boiler System Efficiency	\$3,731,553	\$559,733	\$163,984	\$146,962	\$170,078	\$45,127	\$3,731,553	\$215,205	\$3,516,348	17.34
	STEP	\$635,498	\$95,325	\$28,015	\$25,310	\$26,069	\$11,189	\$635,498	\$37,257	\$598,240	17.06
	<b>Total</b>	<b>\$10,481,172</b>	<b>\$1,572,176</b>	<b>\$2,166,006</b>	<b>\$1,968,970</b>	<b>\$2,154,929</b>	<b>\$190,981</b>	<b>\$10,481,172</b>	<b>\$2,345,910</b>	<b>\$8,135,262</b>	<b>4.47</b>
Low Income	Residential Retrofit	\$7,261,700	\$2,178,510	\$1,453,517	\$1,453,517	\$774,840	\$9,715	\$7,261,700	\$784,555	\$6,477,145	9.26
	Affordable New Construction	\$592,951	\$177,885	\$631,037	\$631,037	\$631,037	\$6,435	\$592,951	\$637,472	(\$44,521)	0.93
	Public Housing Authority	\$2,061,190	\$618,357	\$56,275	\$56,275	\$294,679	\$136,173	\$2,061,190	\$430,852	\$1,630,338	4.78
	<b>Total</b>	<b>\$9,915,841</b>	<b>\$2,974,752</b>	<b>\$2,140,829</b>	<b>\$2,140,829</b>	<b>\$1,700,556</b>	<b>\$152,323</b>	<b>\$9,915,841</b>	<b>\$1,852,879</b>	<b>\$8,062,962</b>	<b>5.35</b>
Market Transformation	SEDAC	\$66,202	\$9,930	\$211,590	\$211,590	\$207,319	\$11,933	\$66,202	\$219,253	(\$153,051)	0.30
	K-12 Energy Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Building Operator Certification	\$0	\$0	\$0	\$0	\$0	\$22,341	\$0	\$22,341	(\$22,341)	0.00
	Data Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	<b>Total</b>	<b>\$66,202</b>	<b>\$9,930</b>	<b>\$211,590</b>	<b>\$211,590</b>	<b>\$207,319</b>	<b>\$34,274</b>	<b>\$66,202</b>	<b>\$241,594</b>	<b>(\$175,392)</b>	<b>0.27</b>
<b>Portfolio Non-Program Costs</b>							<b>\$587,606</b>		<b>\$587,606</b>		
<b>Grand Total</b>		<b>\$20,463,215</b>	<b>\$4,556,858</b>	<b>\$4,518,425</b>	<b>\$4,321,389</b>	<b>\$4,062,805</b>	<b>\$965,184</b>	<b>\$20,463,215</b>	<b>\$5,027,989</b>	<b>\$16,022,832</b>	<b>4.07</b>

Table A-19 Ameren Electric WACC Discount Rate Benefits, Costs, and UCT Scores by Program

Sector (a)	Program (b)	Avoided Energy Costs (c)	Non-Energy Benefits (d)	Incremental Cost (Gross) (e)	Incremental Cost (Net) (f)	Incentive Costs (g)	Non-incentive Costs (h)	UCT Total Benefits (i)=(a)	UCT Total Costs (j)=(g+h)	UCT Test Net Benefits (k)=(i-j)	UCT Test (l)=(i/j)
Public Sector	Custom	\$6,743,386	\$1,011,508	\$2,715,478	\$2,268,968	\$1,893,862	\$7,906	\$6,743,386	\$1,901,767	\$4,841,618	3.55
	Standard	\$10,026,031	\$1,503,905	\$1,728,255	\$1,589,144	\$2,418,344	\$80,031	\$10,026,031	\$2,498,376	\$7,527,655	4.01
	New Construction	\$3,504,458	\$525,669	\$868,124	\$508,857	\$610,742	\$40,961	\$3,504,458	\$651,703	\$2,852,755	5.38
	Retro-Commissioning	\$1,674,543	\$251,181	\$655,227	\$670,567	\$551,157	\$33,658	\$1,674,543	\$584,815	\$1,089,728	2.86
	Boiler System Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	STEP	\$415,163	\$62,274	\$91,307	\$88,160	\$206,583	\$63,796	\$415,163	\$270,379	\$144,784	1.54
	<b>Total</b>	<b>\$22,363,580</b>	<b>\$3,354,537</b>	<b>\$6,058,392</b>	<b>\$5,125,695</b>	<b>\$5,680,687</b>	<b>\$226,352</b>	<b>\$22,363,580</b>	<b>\$5,907,039</b>	<b>\$16,456,540</b>	<b>3.79</b>
Low Income	Residential Retrofit	\$3,584,999	\$1,075,500	\$1,411,750	\$1,411,750	\$1,731,850	\$124,809	\$3,584,999	\$1,856,659	\$1,728,340	1.93
	Affordable New Construction	\$1,083,012	\$324,904	\$668,960	\$668,960	\$668,960	\$14,931	\$1,083,012	\$683,891	\$399,121	1.58
	Public Housing Authority	\$757,485	\$227,245	\$477,729	\$477,729	\$506,729	\$252,473	\$757,485	\$759,202	(\$1,717)	1.00
	<b>Total</b>	<b>\$5,425,496</b>	<b>\$1,627,649</b>	<b>\$2,558,439</b>	<b>\$2,558,439</b>	<b>\$2,907,539</b>	<b>\$392,213</b>	<b>\$5,425,496</b>	<b>\$3,299,752</b>	<b>\$2,125,744</b>	<b>1.64</b>
Market Transformation	SEDAC	\$245,112	\$36,767	\$571,066	\$571,066	\$546,981	\$33,403	\$245,112	\$580,384	(\$335,272)	0.42
	K-12 Energy Efficiency	\$10,892	\$1,634	\$3,108	\$2,597	\$1,460	\$104,392	\$10,892	\$105,852	(\$94,960)	0.10
	Building Operator Certification	\$318,515	\$47,777	\$46,353	\$46,353	\$0	\$61,674	\$318,515	\$61,674	\$256,842	5.16
	Data Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	<b>Total</b>	<b>\$574,519</b>	<b>\$86,178</b>	<b>\$620,526</b>	<b>\$620,016</b>	<b>\$548,441</b>	<b>\$199,469</b>	<b>\$574,519</b>	<b>\$747,910</b>	<b>(\$173,391)</b>	<b>0.77</b>
<b>Portfolio Non-Program Costs</b>							<b>\$1,557,705</b>		<b>\$1,557,705</b>		
<b>Grand Total</b>		<b>\$28,363,594</b>	<b>\$5,068,363</b>	<b>\$9,237,357</b>	<b>\$8,304,150</b>	<b>\$9,136,667</b>	<b>\$2,375,739</b>	<b>\$28,363,594</b>	<b>\$11,512,406</b>	<b>\$18,408,893</b>	<b>2.46</b>

Table A-20 ComEd WACC Discount Rate Benefits, Costs, and UCT Scores by Program

<i>Sector (a)</i>	<i>Program (b)</i>	<i>Avoided Energy Costs (c)</i>	<i>Non- Energy Benefits (d)</i>	<i>Incremental Cost (Gross) (e)</i>	<i>Incremental Cost (Net) (f)</i>	<i>Incentive Costs (g)</i>	<i>Non- incentive Costs (h)</i>	<i>UCT Total Benefits (i)=(a)</i>	<i>UCT Total Costs (j)=(g+h)</i>	<i>UCT Test Net Benefits (k)=(i-j)</i>	<i>UCT Test (l)=(i/j)</i>
Public Sector	Custom	\$11,317,981	\$1,697,697	\$5,881,611	\$4,778,368	\$4,114,768	\$251,198	\$11,317,981	\$4,365,967	\$6,952,014	2.59
	Standard	\$28,621,727	\$4,293,259	\$8,500,961	\$7,611,401	\$10,821,929	\$160,881	\$28,621,727	\$10,982,810	\$17,638,917	2.61
	New Construction	\$300,701	\$45,105	\$70,710	\$61,613	\$33,047	\$104,721	\$300,701	\$137,768	\$162,933	2.18
	Retro-Commissioning	\$6,579,921	\$986,988	\$2,367,512	\$2,395,511	\$1,697,816	\$92,820	\$6,579,921	\$1,790,635	\$4,789,286	3.67
	Boiler System Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	STEP	\$1,664,283	\$249,642	\$316,263	\$303,083	\$602,111	\$182,808	\$1,664,283	\$784,919	\$879,364	2.12
	<b>Total</b>	<b>\$48,484,612</b>	<b>\$7,272,692</b>	<b>\$17,137,057</b>	<b>\$15,149,977</b>	<b>\$17,269,671</b>	<b>\$792,428</b>	<b>\$48,484,612</b>	<b>\$18,062,099</b>	<b>\$30,422,513</b>	<b>2.68</b>
Low Income	Residential Retrofit	\$4,161,711	\$1,248,513	\$3,134,953	\$3,134,953	\$4,195,547	\$156,321	\$4,161,711	\$4,351,868	(\$190,157)	0.96
	Affordable New Construction	\$1,327,944	\$398,383	\$2,703,347	\$2,703,347	\$2,703,347	\$39,339	\$1,327,944	\$2,742,686	(\$1,414,742)	0.48
	Public Housing Authority	\$949,221	\$284,766	\$674,717	\$674,717	\$1,062,978	\$593,136	\$949,221	\$1,656,114	(\$706,893)	0.57
	<b>Total</b>	<b>\$6,438,877</b>	<b>\$1,931,663</b>	<b>\$6,513,017</b>	<b>\$6,513,017</b>	<b>\$7,961,872</b>	<b>\$788,796</b>	<b>\$6,438,877</b>	<b>\$8,750,668</b>	<b>(\$2,311,791)</b>	<b>0.74</b>
Market Transformation	SEDAC	\$1,077,516	\$161,627	\$1,691,364	\$1,691,364	\$1,474,518	\$80,612	\$1,077,516	\$1,555,130	(\$477,613)	0.69
	K-12 Energy Efficiency	\$6,533	\$980	\$2,242	\$1,873	\$3,946	\$282,245	\$6,533	\$286,191	(\$279,658)	0.02
	Building Operator Certification	\$655,193	\$98,279	\$135,099	\$135,099	\$0	\$162,506	\$655,193	\$162,506	\$492,687	4.03
	Data Center	\$0	\$0	\$249,751	\$249,751	\$249,751	\$37,485	\$0	\$287,236	(\$287,236)	0.00
	<b>Total</b>	<b>\$1,739,243</b>	<b>\$260,886</b>	<b>\$2,078,455</b>	<b>\$2,078,087</b>	<b>\$1,728,215</b>	<b>\$562,848</b>	<b>\$1,739,243</b>	<b>\$2,291,063</b>	<b>(\$551,820)</b>	<b>0.76</b>
<b>Portfolio Non-Program Costs</b>							<b>\$3,692,731</b>		<b>\$3,692,731</b>		
<b>Grand Total</b>		<b>\$56,662,732</b>	<b>\$9,465,241</b>	<b>\$25,728,529</b>	<b>\$23,741,081</b>	<b>\$26,959,758</b>	<b>\$5,836,803</b>	<b>\$56,662,732</b>	<b>\$32,796,561</b>	<b>\$27,558,902</b>	<b>1.73</b>

Table A-21 Ameren Gas WACC Discount Rate Benefits, Costs, and UCT Scores by Program

Sector (a)	Program (b)	Avoided Energy Costs (c)	Non-Energy Benefits (d)	Incremental Cost (Gross) (e)	Incremental Cost (Net) (f)	Incentive Costs (g)	Non-incentive Costs (h)	UCT Total Benefits (i)=(a)	UCT Total Costs (j)=(g+h)	UCT Test Net Benefits (k)=(i-j)	UCT Test (l)=(i/j)
Public Sector	Custom	\$1,590,400	\$238,560	\$684,580	\$575,299	\$600,421	\$3,019	\$1,590,400	\$603,441	\$986,959	2.64
	Standard	\$232,458	\$34,869	\$306,736	\$196,994	\$176,814	\$1,353	\$232,458	\$178,167	\$54,291	1.30
	New Construction	\$87,008	\$13,051	\$95,006	\$17,597	\$91,789	\$9,033	\$87,008	\$100,823	(\$13,814)	0.86
	Retro-Commissioning	\$928,920	\$139,338	\$210,324	\$204,417	\$155,373	\$8,231	\$928,920	\$163,604	\$765,317	5.68
	Boiler System Efficiency	\$1,514,338	\$227,151	\$126,033	\$109,891	\$295,635	\$34,018	\$1,514,338	\$329,653	\$1,184,685	4.59
	STEP	\$211,014	\$31,652	\$19,672	\$17,208	\$13,082	\$11,316	\$211,014	\$24,398	\$186,616	8.65
	<b>Total</b>	<b>\$4,564,139</b>	<b>\$684,621</b>	<b>\$1,442,352</b>	<b>\$1,121,406</b>	<b>\$1,333,114</b>	<b>\$66,971</b>	<b>\$4,564,139</b>	<b>\$1,400,085</b>	<b>\$3,164,053</b>	<b>3.26</b>
Low Income	Residential Retrofit	\$3,435,838	\$1,030,751	\$962,253	\$962,253	\$655,542	\$7,633	\$3,435,838	\$663,175	\$2,772,663	5.18
	Affordable New Construction	\$54,088	\$16,226	\$101,104	\$101,104	\$101,104	\$3,897	\$54,088	\$105,001	(\$50,913)	0.52
	Public Housing Authority	\$495,942	\$148,783	\$166,509	\$166,509	\$194,637	\$91,553	\$495,942	\$286,190	\$209,752	1.73
	<b>Total</b>	<b>\$3,985,868</b>	<b>\$1,195,760</b>	<b>\$1,229,866</b>	<b>\$1,229,866</b>	<b>\$951,283</b>	<b>\$103,083</b>	<b>\$3,985,868</b>	<b>\$1,054,366</b>	<b>\$2,931,502</b>	<b>3.78</b>
Market Transformation	SEDAC	\$37,996	\$5,699	\$133,266	\$133,266	\$131,499	\$6,966	\$37,996	\$138,466	(\$100,470)	0.27
	K-12 Energy Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Building Operator Certification	\$0	\$0	\$0	\$0	\$0	\$13,531	\$0	\$13,531	(\$13,531)	0.00
	Data Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	<b>Total</b>	<b>\$37,996</b>	<b>\$5,699</b>	<b>\$133,266</b>	<b>\$133,266</b>	<b>\$131,499</b>	<b>\$20,497</b>	<b>\$37,996</b>	<b>\$151,996</b>	<b>(\$114,001)</b>	<b>0.25</b>
<b>Portfolio Non-Program Costs</b>							<b>\$465,891</b>		<b>\$465,891</b>		
<b>Grand Total</b>		<b>\$8,588,002</b>	<b>\$1,886,080</b>	<b>\$2,805,484</b>	<b>\$2,484,538</b>	<b>\$2,415,897</b>	<b>\$656,442</b>	<b>\$8,588,002</b>	<b>\$3,072,339</b>	<b>\$5,981,554</b>	<b>2.80</b>

Table A-22 Nicor WACC Discount Rate Benefits, Costs, and UCT Scores by Program

<i>Sector (a)</i>	<i>Program (b)</i>	<i>Avoided Energy Costs (c)</i>	<i>Non-Energy Benefits (d)</i>	<i>Incremental Cost (Gross) (e)</i>	<i>Incremental Cost (Net) (f)</i>	<i>Incentive Costs (g)</i>	<i>Non-incentive Costs (h)</i>	<i>UCT Total Benefits (i)=(a)</i>	<i>UCT Total Costs (j)=(g+h)</i>	<i>UCT Test Net Benefits (k)=(i-j)</i>	<i>UCT Test (l)=(i/j)</i>
Public Sector	Custom	\$1,880,887	\$282,133	\$2,101,536	\$1,648,544	\$1,920,741	\$211,645	\$1,880,887	\$2,132,386	(\$251,499)	0.88
	Standard	\$398,767	\$59,815	\$209,712	\$102,446	\$945,926	\$43,977	\$398,767	\$989,903	(\$591,136)	0.40
	New Construction	\$909,020	\$136,353	\$470,440	\$349,111	\$400,094	\$30,041	\$909,020	\$430,135	\$478,885	2.11
	Retro-Commissioning	\$1,640,828	\$246,124	\$651,788	\$620,730	\$458,289	\$26,110	\$1,640,828	\$484,399	\$1,156,429	3.39
	Boiler System Efficiency	\$1,546,223	\$231,933	\$165,324	\$139,597	\$501,727	\$53,955	\$1,546,223	\$555,682	\$990,541	2.78
	STEP	\$98,447	\$14,767	\$32,303	\$28,872	\$30,034	\$38,353	\$98,447	\$68,387	\$30,060	1.44
	<b>Total</b>	<b>\$6,474,171</b>	<b>\$971,126</b>	<b>\$3,631,102</b>	<b>\$2,889,300</b>	<b>\$4,256,810</b>	<b>\$404,081</b>	<b>\$6,474,171</b>	<b>\$4,660,892</b>	<b>\$1,813,279</b>	<b>1.39</b>
Low Income	Residential Retrofit	\$1,839,747	\$551,924	\$1,116,958	\$1,116,958	\$691,000	\$9,000	\$1,839,747	\$700,000	\$1,139,747	2.63
	Affordable New Construction	\$312,007	\$93,602	\$524,322	\$524,322	\$524,322	\$11,720	\$312,007	\$536,042	(\$224,035)	0.58
	Public Housing Authority	\$457,906	\$137,372	\$49,689	\$49,689	\$248,113	\$114,323	\$457,906	\$362,436	\$95,470	1.26
	<b>Total</b>	<b>\$2,609,660</b>	<b>\$782,898</b>	<b>\$1,690,969</b>	<b>\$1,690,969</b>	<b>\$1,463,435</b>	<b>\$135,043</b>	<b>\$2,609,660</b>	<b>\$1,598,478</b>	<b>\$1,011,182</b>	<b>1.63</b>
Market Transformation	SEDAC	\$44,646	\$6,697	\$416,917	\$416,917	\$410,989	\$23,415	\$44,646	\$434,404	(\$389,759)	0.10
	K-12 Energy Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Building Operator Certification	\$0	\$0	\$0	\$0	\$0	\$49,087	\$0	\$49,087	(\$49,087)	0.00
	Data Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	<b>Total</b>	<b>\$44,646</b>	<b>\$6,697</b>	<b>\$416,917</b>	<b>\$416,917</b>	<b>\$410,989</b>	<b>\$72,503</b>	<b>\$44,646</b>	<b>\$483,492</b>	<b>(\$438,846)</b>	<b>0.09</b>
<b>Portfolio Non-Program Costs</b>							<b>\$1,201,306</b>		<b>\$1,201,306</b>		
<b>Grand Total</b>		<b>\$9,128,477</b>	<b>\$1,760,721</b>	<b>\$5,738,988</b>	<b>\$4,997,186</b>	<b>\$6,131,235</b>	<b>\$1,812,933</b>	<b>\$9,128,477</b>	<b>\$7,944,168</b>	<b>\$2,385,615</b>	<b>1.15</b>

Table A-23 North Shore WACC Discount Rate Benefits, Costs, and UCT Scores by Program

Sector (a)	Program (b)	Avoided Energy Costs (c)	Non-Energy Benefits (d)	Incremental Cost (Gross) (e)	Incremental Cost (Net) (f)	Incentive Costs (g)	Non-incentive Costs (h)	UCT Total Benefits (i)=(a)	UCT Total Costs (j)=(g+h)	UCT Test Net Benefits (k)=(i-j)	UCT Test (l)=(i/j)
Public Sector	Custom	\$991,251	\$148,688	\$512,574	\$397,731	\$451,917	\$52,500	\$991,251	\$504,417	\$486,835	1.97
	Standard	\$39,512	\$5,927	\$10,279	\$4,997	\$59,079	\$0	\$39,512	\$59,079	(\$19,567)	0.67
	New Construction	\$0	\$0	\$0	\$0	\$0	\$3,492	\$0	\$3,492	(\$3,492)	0.00
	Retro-Commissioning	\$34,690	\$5,203	\$44,877	\$44,877	\$38,929	\$3,314	\$34,690	\$42,243	(\$7,553)	0.82
	Boiler System Efficiency	\$105,090	\$15,764	\$47,283	\$36,360	\$35,718	\$6,500	\$105,090	\$42,218	\$62,872	2.49
	STEP	\$7,059	\$1,059	\$4,134	\$3,751	\$3,008	\$4,751	\$7,059	\$7,759	(\$700)	0.91
	<b>Total</b>	<b>\$1,177,603</b>	<b>\$176,640</b>	<b>\$619,148</b>	<b>\$487,717</b>	<b>\$588,651</b>	<b>\$70,557</b>	<b>\$1,177,603</b>	<b>\$659,208</b>	<b>\$518,395</b>	<b>1.79</b>
Low Income	Residential Retrofit	\$378,561	\$113,568	\$90,287	\$90,287	\$98,200	\$1,800	\$378,561	\$100,000	\$278,561	3.79
	Affordable New Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Public Housing Authority	\$20,729	\$6,219	\$4,470	\$4,470	\$25,663	\$12,745	\$20,729	\$38,408	(\$17,679)	0.54
	<b>Total</b>	<b>\$399,291</b>	<b>\$119,787</b>	<b>\$94,757</b>	<b>\$94,757</b>	<b>\$123,863</b>	<b>\$14,545</b>	<b>\$399,291</b>	<b>\$138,408</b>	<b>\$260,883</b>	<b>2.88</b>
Market Transformation	SEDAC	\$711	\$107	\$44,800	\$44,800	\$44,593	\$3,796	\$711	\$48,389	(\$47,677)	0.01
	K-12 Energy Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Building Operator Certification	\$0	\$0	\$0	\$0	\$0	\$5,349	\$0	\$5,349	(\$5,349)	0.00
	Data Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	<b>Total</b>	<b>\$711</b>	<b>\$107</b>	<b>\$44,800</b>	<b>\$44,800</b>	<b>\$44,593</b>	<b>\$9,145</b>	<b>\$711</b>	<b>\$53,738</b>	<b>(\$53,027)</b>	<b>0.01</b>
Portfolio Non-Program Costs							<b>\$62,471</b>		<b>\$62,471</b>		
<b>Grand Total</b>		<b>\$1,577,605</b>	<b>\$296,534</b>	<b>\$758,704</b>	<b>\$627,274</b>	<b>\$757,106</b>	<b>\$156,719</b>	<b>\$1,577,605</b>	<b>\$913,825</b>	<b>\$726,251</b>	<b>1.73</b>

Table A-24 Peoples WACC Discount Rate Benefits, Costs, and UCT Scores by Program

<i>Sector (a)</i>	<i>Program (b)</i>	<i>Avoided Energy Costs (c)</i>	<i>Non- Energy Benefits (d)</i>	<i>Incremental Cost (Gross) (e)</i>	<i>Incremental Cost (Net) (f)</i>	<i>Incentive Costs (g)</i>	<i>Non- incentive Costs (h)</i>	<i>UCT Total Benefits (i)=(a)</i>	<i>UCT Total Costs (j)=(g+h)</i>	<i>UCT Test Net Benefits (k)=(i-j)</i>	<i>UCT Test (l)=(i/j)</i>
Public Sector	Custom	\$4,211,660	\$631,749	\$1,693,316	\$1,556,983	\$1,427,138	\$96,327	\$4,211,660	\$1,523,465	\$2,688,195	2.76
	Standard	\$398,606	\$59,791	\$75,318	\$41,204	\$344,304	\$13,375	\$398,606	\$357,679	\$40,927	1.11
	New Construction	\$0	\$0	\$0	\$0	\$0	\$14,180	\$0	\$14,180	(\$14,180)	0.00
	Retro-Commissioning	\$290,604	\$43,591	\$205,374	\$198,510	\$187,341	\$10,783	\$290,604	\$198,124	\$92,480	1.47
	Boiler System Efficiency	\$3,076,815	\$461,522	\$163,984	\$146,962	\$170,078	\$45,127	\$3,076,815	\$215,205	\$2,861,610	14.30
	STEP	\$553,620	\$83,043	\$28,015	\$25,310	\$26,069	\$11,189	\$553,620	\$37,257	\$516,363	14.86
	<b>Total</b>	<b>\$8,531,305</b>	<b>\$1,279,696</b>	<b>\$2,166,006</b>	<b>\$1,968,970</b>	<b>\$2,154,929</b>	<b>\$190,981</b>	<b>\$8,531,305</b>	<b>\$2,345,910</b>	<b>\$6,185,395</b>	<b>3.64</b>
Low Income	Residential Retrofit	\$5,317,482	\$1,595,245	\$1,453,517	\$1,453,517	\$774,840	\$9,715	\$5,317,482	\$784,555	\$4,532,927	6.78
	Affordable New Construction	\$442,011	\$132,603	\$631,037	\$631,037	\$631,037	\$6,435	\$442,011	\$637,472	(\$195,461)	0.69
	Public Housing Authority	\$1,615,128	\$484,538	\$56,275	\$56,275	\$294,679	\$136,173	\$1,615,128	\$430,852	\$1,184,276	3.75
	<b>Total</b>	<b>\$7,374,621</b>	<b>\$2,212,386</b>	<b>\$2,140,829</b>	<b>\$2,140,829</b>	<b>\$1,700,556</b>	<b>\$152,323</b>	<b>\$7,374,621</b>	<b>\$1,852,879</b>	<b>\$5,521,742</b>	<b>3.98</b>
Market Transformation	SEDAC	\$53,778	\$8,067	\$211,590	\$211,590	\$207,319	\$11,933	\$53,778	\$219,253	(\$165,475)	0.25
	K-12 Energy Efficiency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Building Operator Certification	\$0	\$0	\$0	\$0	\$0	\$22,341	\$0	\$22,341	(\$22,341)	0.00
	Data Center	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	<b>Total</b>	<b>\$53,778</b>	<b>\$8,067</b>	<b>\$211,590</b>	<b>\$211,590</b>	<b>\$207,319</b>	<b>\$34,274</b>	<b>\$53,778</b>	<b>\$241,594</b>	<b>(\$187,816)</b>	<b>0.22</b>
<b>Portfolio Non-Program Costs</b>							<b>\$587,606</b>		<b>\$587,606</b>		
<b>Grand Total</b>		<b>\$15,959,704</b>	<b>\$3,500,149</b>	<b>\$4,518,425</b>	<b>\$4,321,389</b>	<b>\$4,062,805</b>	<b>\$965,184</b>	<b>\$15,959,704</b>	<b>\$5,027,988</b>	<b>\$11,519,321</b>	<b>3.17</b>

Table A-25 Ameren Electric Ex Post First Year and Lifetime Savings and Costs by Program

Sector	Program	Realization Rate (kWh)	Verified Ex Post Gross			Net-to-Gross Ratio (kWh)	Verified Ex Post Net					Program Costs	Participation (Unit)	Unit Definition
			First Year kWh Savings	First Year Peak Demand Reduction	Lifetime kWh Savings		First Year kWh Savings	First Year Peak Demand Reduction	Lifetime kWh Savings	First Year Cost per First Year kWh Savings	First Year Cost per Lifetime kWh Savings			
Public Sector	Custom	82%	11,073,223	724.50	159,137,382	84%	9,252,437	700.45	132,970,193	\$0.21	\$0.01	\$1,901,767	48	Project
	Standard	129%	14,810,451	1,193.12	206,921,294	92%	13,618,320	1,120.96	190,265,684	\$0.18	\$0.01	\$2,498,376	946	Measure
	New Construction	100%	4,944,843	0.00	98,896,863	59%	2,898,452	0.00	57,969,042	\$0.22	\$0.01	\$651,703	10	Project
	Retro-Commissioning	87%	1,144,282	56.74	16,216,593	102%	1,171,070	55.71	16,596,228	\$0.50	\$0.04	\$584,815	3	Project
	Boiler System Efficiency	N/A.	0	0.00	N/A.	N/A.	0	0.00	0	\$0.00	\$0.00	\$0	0	Measure
	STEP	77%	806,436	129.62	7,018,415	97%	778,644	125.62	6,776,541	\$0.35	\$0.04	\$270,379	3,668	Measure
	<b>Total</b>	<b>N/A.</b>	<b>32,779,234</b>	<b>2,103.98</b>	<b>488,190,547</b>	<b>N/A.</b>	<b>27,718,923</b>	<b>2,002.74</b>	<b>404,577,689</b>	<b>\$0.21</b>	<b>\$0.01</b>	<b>\$5,907,039</b>	<b>4,675</b>	<b>N/A.</b>
Low Income	Residential Retrofit	N/A.	3,439,050	1,129.36	49,919,954	100%	3,439,050	1,129.36	49,919,954	\$0.54	\$0.04	\$1,856,659	23,424	Measure
	Affordable New Construction	52%	950,161	381.31	15,680,608	100%	950,161	381.31	15,680,608	\$0.72	\$0.04	\$683,891	5,849	Measure
	Public Housing Authority	97%	559,223	210.02	8,817,651	100%	559,223	210.02	8,817,651	\$1.36	\$0.09	\$759,202	4,809	Measure
	<b>Total</b>	<b>N/A.</b>	<b>4,948,434</b>	<b>1,720.69</b>	<b>74,418,213</b>	<b>N/A.</b>	<b>4,948,434</b>	<b>1,720.69</b>	<b>74,418,213</b>	<b>\$0.67</b>	<b>\$0.04</b>	<b>\$3,299,752</b>	<b>34,082</b>	<b>N/A.</b>
Market Transformation	SEDAC	N/A.	N/A.	N/A.	N/A.	N/A.	271,225	122.88	3,618,697	\$2.14	\$0.16	\$580,384	75	Project
	K-12 Energy Efficiency	84%	43,117	4.04	284,495	84%	36,032	3.28	237,751	\$2.94	\$0.45	\$105,852	1,856	Measure
	Building Operator Certification	N/A.	N/A.	N/A.	N/A.	N/A.	521,991	101.46	5,282,504	\$0.12	\$0.01	\$61,674	36	Project
	Data Center	N/A.	0	0.00	N/A.	N/A.	0	0.00	0	\$0.00	\$0.00	\$0	0	Project
	<b>Total</b>	<b>N/A.</b>	<b>43,117</b>	<b>4.04</b>	<b>284,495</b>	<b>N/A.</b>	<b>829,249</b>	<b>227.62</b>	<b>9,138,953</b>	<b>\$0.90</b>	<b>\$0.08</b>	<b>\$747,910</b>	<b>1,967</b>	<b>N/A.</b>
<b>Portfolio Non-Program Costs</b>												<b>\$1,557,705</b>		
<b>Grand Total</b>		<b>N/A.</b>	<b>37,770,785</b>	<b>3,828.71</b>	<b>562,893,255</b>	<b>N/A.</b>	<b>33,496,606</b>	<b>3,951.04</b>	<b>488,134,855</b>	<b>\$0.34</b>	<b>0.02</b>	<b>\$11,512,406</b>	<b>40,724</b>	<b>N/A.</b>



Table A-26 ComEd Ex Post First Year and Lifetime Savings and Costs by Program

Sector	Program	Realization Rate (kWh)	Verified Ex Post Gross			Net-to-Gross Ratio (kWh)	Verified Ex Post Net					Program Costs	Participation (Unit)	Unit Definition
			First Year kWh Savings	First Year Peak Demand Reduction	Lifetime kWh Savings		First Year kWh Savings	First Year Peak Demand Reduction	Lifetime kWh Savings	First Year Cost per First Year kWh Savings	First Year Cost per Lifetime kWh Savings			
Public Sector	Custom	72%	19,806,714	1,346.70	\$277,349,011	81%	16,091,467	1,243.12	225,325,245	\$0.27	\$0.02	\$4,365,967	209	Project
	Standard	128%	53,162,374	4,319.12	\$731,182,087	90%	47,599,344	4,040.82	654,669,554	\$0.23	\$0.02	\$10,982,810	2,158	Measure
	New Construction	100%	393,666	0.00	\$7,873,311	87%	343,019	0.00	6,860,372	\$0.40	\$0.02	\$137,768	5	Project
	Retro-Commissioning	93%	5,973,482	312.10	\$83,698,776	101%	6,044,128	325.38	84,688,648	\$0.30	\$0.02	\$1,790,635	6	Project
	Boiler System Efficiency	N/A.	0	0.00	N/A.	N/A.	0	0.00	0	\$0.00	\$0.00	\$0	0	Measure
	STEP	111%	3,337,554	648.80	\$31,476,797	96%	3,198,470	620.51	30,165,082	\$0.25	\$0.03	\$784,919	8,474	Measure
	<b>Total</b>	<b>N/A.</b>	<b>82,673,789</b>	<b>6,626.72</b>	<b>\$1,131,579,982</b>	<b>N/A.</b>	<b>73,276,428</b>	<b>6,229.83</b>	<b>1,001,708,902</b>	<b>\$0.25</b>	<b>\$0.02</b>	<b>\$18,062,099</b>	<b>10,852</b>	<b>N/A.</b>
Low Income	Residential Retrofit	N/A.	5,137,788	1,825.70	\$74,417,955	100%	5,137,788	1,825.70	74,417,955	\$0.85	\$0.06	\$4,351,868	40,654	Measure
	Affordable New Construction	56%	1,674,479	341.01	\$27,423,105	100%	1,674,479	341.01	27,423,105	\$1.64	\$0.10	\$2,742,686	20,107	Measure
	Public Housing Authority	105%	1,804,949	188.12	\$20,751,537	100%	1,804,949	188.12	20,751,537	\$0.92	\$0.08	\$1,656,114	5,535	Measure
	<b>Total</b>	<b>N/A.</b>	<b>8,617,216</b>	<b>2,354.83</b>	<b>\$122,592,596</b>	<b>N/A.</b>	<b>8,617,216</b>	<b>2,354.83</b>	<b>122,592,596</b>	<b>\$1.02</b>	<b>\$0.07</b>	<b>\$8,750,668</b>	<b>66,296</b>	<b>N/A.</b>
Market Transformation	SEDAC	N/A.	N/A.	N/A.	N/A.	N/A.	1,974,920	274.52	23,320,484	\$0.79	\$0.07	\$1,555,130	131	Project
	K-12 Energy Efficiency	84%	30,315	2.76	\$210,340	84%	25,334	2.24	175,780	\$11.30	\$1.63	\$286,191	1,376	Measure
	Building Operator Certification	N/A.	N/A.	N/A.	N/A.	N/A.	1,230,408	239.15	12,451,618	\$0.13	\$0.01	\$162,506	104	Project
	Data Center	N/A.	0	0.00	N/A.	N/A.	0	0.00	0	\$0.00	\$0.00	\$287,236	0	Project
	<b>Total</b>	<b>N/A.</b>	<b>30,315</b>	<b>2.76</b>	<b>\$210,340</b>	<b>N/A.</b>	<b>3,230,663</b>	<b>515.90</b>	<b>35,947,882</b>	<b>\$0.71</b>	<b>\$0.06</b>	<b>\$2,291,063</b>	<b>1,611</b>	<b>N/A.</b>
Portfolio Non-Program Costs												<b>\$3,692,731</b>		
<b>Grand Total</b>		<b>N/A.</b>	<b>91,321,320</b>	<b>8,984.31</b>	<b>1,254,382,918</b>	<b>N/A.</b>	<b>85,124,306</b>	<b>9,100.56</b>	<b>1,160,249,379</b>	<b>\$0.39</b>	<b>0.03</b>	<b>\$32,796,561</b>	<b>78,759</b>	<b>N/A.</b>

Table A-27 Ameren Gas Ex Post First Year and Lifetime Savings and Costs by Program

Sector	Program	Realization Rate (Therms)	Verified Ex Post Gross		Net-to-Gross Ratio (Therms)	Verified Ex Post Net				Program Costs	Participation (Unit)	Unit Definition
			First Year Therms Savings	Lifetime Therms Savings		First Year Therms Savings	Lifetime Therms Savings	First Year Cost per First Year Therms Savings	First Year Cost per Lifetime Therms Savings			
Public Sector	Custom	75%	180,621	\$2,510,476	84%	151,788	2,109,722	\$3.98	\$0.29	\$603,441	24	Project
	Standard	101%	30,810	\$517,650	64%	19,787	332,449	\$9.00	\$0.54	\$178,167	9,580	Measure
	New Construction	115%	31,326	\$626,521	19%	5,803	116,053	\$17.38	\$0.87	\$100,823	9	Project
	Retro-Commissioning	104%	101,973	\$1,267,630	97%	99,109	1,232,027	\$1.65	\$0.13	\$163,604	2	Project
	Boiler System Efficiency	93%	253,782	\$2,281,482	87%	221,279	1,989,278	\$1.49	\$0.17	\$329,653	627	Measure
	STEP	89%	38,070	\$317,985	87%	33,301	278,152	\$0.73	\$0.09	\$24,398	5,003	Measure
	<b>Total</b>	<b>N/A.</b>	<b>636,583</b>	<b>\$7,521,744</b>	<b>N/A.</b>	<b>531,067</b>	<b>6,057,680</b>	<b>\$2.64</b>	<b>\$0.23</b>	<b>\$1,400,085</b>	<b>15,245</b>	<b>N/A.</b>
Low Income	Residential Retrofit	N/A.	250,297	\$4,629,485	100%	250,297	4,629,485	\$2.65	\$0.14	\$663,175	1,177	Measure
	Affordable New Construction	55%	3,982	\$76,336	100%	3,982	76,336	\$26.37	\$1.38	\$105,001	800	Measure
	Public Housing Authority	101%	36,282	\$701,624	100%	36,282	701,624	\$7.89	\$0.41	\$286,190	162	Measure
	<b>Total</b>	<b>N/A.</b>	<b>290,562</b>	<b>\$5,407,446</b>	<b>N/A.</b>	<b>290,562</b>	<b>5,407,446</b>	<b>\$3.63</b>	<b>\$0.19</b>	<b>\$1,054,366</b>	<b>2,139</b>	<b>N/A.</b>
Market Transformation	SEDAC	N/A.	N/A.	N/A.	N/A.	3,186	50,540	\$43.46	\$2.74	\$138,466	52	Project
	K-12 Energy Efficiency	N/A.	0	N/A.	N/A.	0	0	\$0.00	\$0.00	\$0	0	Measure
	Building Operator Certification	N/A.	N/A.	N/A.	N/A.	0	0	\$0.00	\$0.00	\$13,531	0	Project
	Data Center	N/A.	0	N/A.	N/A.	0	0	\$0.00	\$0.00	\$0	0	Project
	<b>Total</b>	<b>N/A.</b>	<b>0</b>	<b>\$0</b>	<b>N/A.</b>	<b>3,186</b>	<b>50,540</b>	<b>\$47.71</b>	<b>\$3.01</b>	<b>\$151,996</b>	<b>52</b>	<b>N/A.</b>
Portfolio Non-Program Costs										\$465,892		
<b>Grand Total</b>		<b>N/A.</b>	<b>927,145</b>	<b>12,929,190</b>	<b>N/A.</b>	<b>824,815</b>	<b>11,515,666</b>	<b>\$3.72</b>	<b>0.27</b>	<b>\$3,072,339</b>	<b>17,436</b>	<b>N/A.</b>

Table A-28 Nicor Ex Post First Year and Lifetime Savings and Costs by Program

Sector	Program	Realization Rate (Therms)	Verified Ex Post Gross		Net-to-Gross Ratio (Therms)	Verified Ex Post Net				Program Costs	Participation (Unit)	Unit Definition
			First Year Therms Savings	Lifetime Therms Savings		First Year Therms Savings	Lifetime Therms Savings	First Year Cost per First Year Therms Savings	First Year Cost per Lifetime Therms Savings			
Public Sector	Custom	77%	480,991	\$7,087,682	78%	377,312	5,559,911	\$5.65	\$0.38	\$2,132,386	98	Project
	Standard	116%	139,431	\$2,650,547	49%	68,113	1,294,810	\$14.53	\$0.76	\$989,903	5,639	Measure
	New Construction	115%	197,832	\$3,956,635	74%	146,810	2,936,197	\$2.93	\$0.15	\$430,135	6	Project
	Retro-Commissioning	96%	424,029	\$4,975,907	95%	403,824	4,738,805	\$1.20	\$0.10	\$484,399	6	Project
	Boiler System Efficiency	98%	707,323	\$5,042,180	84%	597,253	4,257,543	\$0.93	\$0.13	\$555,682	1,442	Measure
	STEP	102%	31,550	\$297,101	89%	28,198	265,544	\$2.43	\$0.26	\$68,387	3,654	Measure
	<b>Total</b>	<b>N/A.</b>	<b>1,981,156</b>	<b>\$24,010,052</b>	<b>N/A.</b>	<b>1,621,511</b>	<b>19,052,809</b>	<b>\$2.87</b>	<b>\$0.24</b>	<b>\$4,660,892</b>	<b>10,845</b>	<b>N/A.</b>
Low Income	Residential Retrofit	N/A.	324,876	\$5,906,772	100%	324,876	5,906,772	\$2.15	\$0.12	\$700,000	3,895	Measure
	Affordable New Construction	166%	55,960	\$1,067,970	100%	55,960	1,067,970	\$9.58	\$0.50	\$536,042	8,638	Measure
	Public Housing Authority	100%	71,891	\$1,701,089	100%	71,891	1,701,089	\$5.04	\$0.21	\$362,436	72	Measure
	<b>Total</b>	<b>N/A.</b>	<b>452,727</b>	<b>\$8,675,831</b>	<b>N/A.</b>	<b>452,727</b>	<b>8,675,831</b>	<b>\$3.53</b>	<b>\$0.18</b>	<b>\$1,598,478</b>	<b>12,605</b>	<b>N/A.</b>
Market Transformation	SEDAC	N/A.	N/A.	N/A.	N/A.	12,371	131,466	\$35.11	\$3.30	\$434,404	88	Project
	K-12 Energy Efficiency	N/A.	0	N/A.	N/A.	0	0	\$0.00	\$0.00	\$0	0	Measure
	Building Operator Certification	N/A.	N/A.	N/A.	N/A.	0	0	\$0.00	\$0.00	\$49,087	0	Project
	Data Center	N/A.	0	N/A.	N/A.	0	0	\$0.00	\$0.00	\$0	0	Project
	<b>Total</b>	<b>N/A.</b>	<b>0</b>	<b>\$0</b>	<b>N/A.</b>	<b>12,371</b>	<b>131,466</b>	<b>\$39.08</b>	<b>\$3.68</b>	<b>\$483,492</b>	<b>88</b>	<b>N/A.</b>
Portfolio Non-Program Costs										\$1,201,306		
<b>Grand Total</b>		<b>N/A.</b>	<b>2,433,883</b>	<b>32,685,883</b>	<b>N/A.</b>	<b>2,086,609</b>	<b>27,860,107</b>	<b>\$3.81</b>	<b>0.29</b>	<b>\$7,944,168</b>	<b>23,538</b>	<b>N/A.</b>

*Table A-29 North Shore Ex Post First Year and Lifetime Savings and Costs by Program*

Sector	Program	Realization Rate (Therms)	Verified Ex Post Gross		Net-to-Gross Ratio (Therms)	Verified Ex Post Net				Program Costs	Participation (Unit)	Unit Definition
			First Year Therms Savings	Lifetime Therms Savings		First Year Therms Savings	Lifetime Therms Savings	First Year Cost per First Year Therms Savings	First Year Cost per Lifetime Therms Savings			
Public Sector	Custom	77%	134,264	\$2,027,186	78%	104,182	1,572,993	\$4.84	\$0.32	\$504,417	25	Project
	Standard	118%	6,769	\$133,586	49%	3,291	64,948	\$17.95	\$0.91	\$59,079	13	Measure
	New Construction	N/A.	0	N/A.	N/A.	0	0	\$0.00	\$0.00	\$3,492	0	Project
	Retro-Commissioning	111%	10,216	\$51,080	100%	10,216	51,080	\$4.13	\$0.83	\$42,243	0	Project
	Boiler System Efficiency	88%	14,842	\$216,568	77%	11,413	166,537	\$3.70	\$0.25	\$42,218	321	Measure
	STEP	79%	1,402	\$11,761	91%	1,272	10,671	\$6.10	\$0.73	\$7,759	697	Measure
	<b>Total</b>	<b>N/A.</b>	<b>167,494</b>	<b>\$2,440,181</b>	<b>N/A.</b>	<b>130,375</b>	<b>1,866,228</b>	<b>\$5.06</b>	<b>\$0.35</b>	<b>\$659,208</b>	<b>1,056</b>	<b>N/A.</b>
Low Income	Residential Retrofit	N/A.	36,328	\$609,661	100%	36,328	609,661	\$2.75	\$0.16	\$100,000	42	Measure
	Affordable New Construction	100%	0	\$0	100%	0	0	\$0.00	\$0.00	\$0	0	Measure
	Public Housing Authority	100%	6,035	\$30,174	100%	6,035	30,174	\$6.36	\$1.27	\$38,408	149	Measure
	<b>Total</b>	<b>N/A.</b>	<b>42,363</b>	<b>\$639,834</b>	<b>N/A.</b>	<b>42,363</b>	<b>639,834</b>	<b>\$3.27</b>	<b>\$0.22</b>	<b>\$138,408</b>	<b>191</b>	<b>N/A.</b>
Market Transformation	SEDAC	N/A.	N/A.	N/A.	N/A.	356	1,036	\$135.85	\$46.71	\$48,389	15	Project
	K-12 Energy Efficiency	N/A.	0	N/A.	N/A.	0	0	\$0.00	\$0.00	\$0	0	Measure
	Building Operator Certification	N/A.	N/A.	N/A.	N/A.	0	0	\$0.00	\$0.00	\$5,349	0	Project
	Data Center	N/A.	0	N/A.	N/A.	0	0	\$0.00	\$0.00	\$0	0	Project
	<b>Total</b>	<b>N/A.</b>	<b>0</b>	<b>\$0</b>	<b>N/A.</b>	<b>356</b>	<b>1,036</b>	<b>\$150.87</b>	<b>\$51.87</b>	<b>\$53,738</b>	<b>15</b>	<b>N/A.</b>
<b>Portfolio Non-Program Costs</b>										<b>\$62,471</b>		
<b>Grand Total</b>		<b>N/A.</b>	<b>209,857</b>	<b>3,080,015</b>	<b>N/A.</b>	<b>173,094</b>	<b>2,507,098</b>	<b>\$5.28</b>	<b>0.36</b>	<b>\$913,825</b>	<b>1,262</b>	<b>N/A.</b>

Table A-30 Peoples Ex Post First Year and Lifetime Savings and Costs by Program

Sector	Program	Realization Rate (Therms)	Verified Ex Post Gross		Net-to-Gross Ratio (Therms)	Verified Ex Post Net				Program Costs	Participation (Unit)	Unit Definition
			First Year Therms Savings	Lifetime Therms Savings		First Year Therms Savings	Lifetime Therms Savings	First Year Cost per First Year Therms Savings	First Year Cost per Lifetime Therms Savings			
Public Sector	Custom	74%	497,205	\$7,426,633	92%	457,174	6,828,700	\$3.33	\$0.22	\$1,523,465	33	Project
	Standard	119%	66,391	\$1,197,127	55%	36,322	654,929	\$9.85	\$0.55	\$357,679	35,840	Measure
	New Construction	N/A.	0	N/A.	N/A.	0	0	\$0.00	\$0.00	\$14,180	0	Project
	Retro-Commissioning	110%	31,509	\$472,640	97%	30,456	456,845	\$6.51	\$0.43	\$198,124	1	Project
	Boiler System Efficiency	86%	461,777	\$5,503,597	90%	413,845	4,932,328	\$0.52	\$0.04	\$215,205	943	Measure
	STEP	78%	95,675	\$944,800	90%	86,435	853,555	\$0.43	\$0.04	\$37,257	2,788	Measure
	<b>Total</b>	<b>N/A.</b>	<b>1,152,557</b>	<b>\$15,544,798</b>	<b>N/A.</b>	<b>1,024,231</b>	<b>13,726,356</b>	<b>\$2.29</b>	<b>\$0.17</b>	<b>\$2,345,910</b>	<b>39,605</b>	<b>N/A.</b>
Low Income	Residential Retrofit	N/A.	440,701	\$8,946,670	100%	440,701	8,946,670	\$1.78	\$0.09	\$784,555	1,983	Measure
	Affordable New Construction	60%	39,163	\$758,518	100%	39,163	758,518	\$16.28	\$0.84	\$637,472	9,669	Measure
	Public Housing Authority	100%	187,028	\$2,604,373	100%	187,028	2,604,373	\$2.30	\$0.17	\$430,852	5,344	Measure
	<b>Total</b>	<b>N/A.</b>	<b>666,892</b>	<b>\$12,309,561</b>	<b>N/A.</b>	<b>666,892</b>	<b>12,309,561</b>	<b>\$2.78</b>	<b>\$0.15</b>	<b>\$1,852,879</b>	<b>16,996</b>	<b>N/A.</b>
Market Transformation	SEDAC	N/A.	N/A.	N/A.	N/A.	7,336	86,230	\$29.89	\$2.54	\$219,253	32	Project
	K-12 Energy Efficiency	N/A.	0	N/A.	N/A.	0	0	\$0.00	\$0.00	\$0	0	Measure
	Building Operator Certification	N/A.	N/A.	N/A.	N/A.	0	0	\$0.00	\$0.00	\$22,341	0	Project
	Data Center	N/A.	0	N/A.	N/A.	0	0	\$0.00	\$0.00	\$0	0	Project
	<b>Total</b>	<b>N/A.</b>	<b>0</b>	<b>\$0</b>	<b>N/A.</b>	<b>7,336</b>	<b>86,230</b>	<b>\$32.93</b>	<b>\$2.80</b>	<b>\$241,594</b>	<b>32</b>	<b>N/A.</b>
<b>Portfolio Non-Program Costs</b>										<b>\$587,606</b>		
<b>Grand Total</b>		<b>N/A.</b>	<b>1,819,449</b>	<b>27,854,359</b>	<b>N/A.</b>	<b>1,698,458</b>	<b>26,122,147</b>	<b>\$2.96</b>	<b>0.19</b>	<b>\$5,027,988</b>	<b>56,633</b>	<b>N/A.</b>