

LG&E/KU Program Scoring Matrix: Scoring Summary

Scoring
Each category corresponds to the numbered item in the Review Checklist. Score each proposal 0-2 for each category.
0 = Does not meet criteria or proposal does not include adequate information to evaluate
1 = Partially meets criteria
2 = Fully meets criteria

SCORE represents the total of the checklist criteria weighted by priority

Proposed Program Name	Program Type	Segment	Program Description	Score - Average	Evaluator1	Evaluator2	Evaluator3	Evaluator4	Evaluator5	Evaluator6	Comments	
1	LMI WeCare	Efficiency	Limited Income single family residential	Increase eligibility to 300% FPL (w/ increased Inflation Reduction Act administration dollars which will help find increased health & safety funding)	72.17	70.00	58.00	79.00	76.00	74.00	76.00	
2	WeCare with Shade Trees	Efficiency	Limited Income single family residential	Current WeCare program design with the addition of planting one tree	61.00	54.00	52.00	80.00	72.00	32.00	76.00	
3	WeCare V2	Efficiency	Limited Income single family residential	WeCare that is focused on high impact measures (whole building measures- data-driven targeting) (w/ increased Inflation Reduction Act administration dollars which will help find increased health & safety funding)	70.00	72.00	52.00	70.00	76.00	78.00	72.00	
4	LI Multifamily- whole building	Efficiency	Limited Income multifamily residential	Address tenant units with direct install measures + common areas with all analyst recommended improvements (requires both residential and nonresidential measures)	70.83	80.00	52.00	83.00	72.00	66.00	72.00	
5	Shade Trees	PR/education	Limited Income single family residential	Incentives for planting trees that shade home/building	41.67	44.00	46.00	52.00	36.00	28.00	44.00	
6	WeCare Audit Direct Enrollment (Smart Thermostat DR)	PR for DR	Limited Income single family residential	Automatic enrollment in smart thermostat DR when a smart thermostat is installed in a WeCare home	76.33	72.00	66.00	92.00	82.00	74.00	72.00	
7	WeCare Audit Direct Enrollment (PTR)	PR for DR	Limited Income single family residential	Automatic enrollment in peak time rebates DR program when a smart thermostat is installed in a WeCare home	76.67	72.00	74.00	86.00	82.00	74.00	72.00	
8	Appliance Recycling	Efficiency	Market Rate Residential Sector	Free pick up of functioning, older refrigerators and freezers + incentive	77.67	78.00	68.00	84.00	78.00	72.00	86.00	
9	Midstream HVAC Rebates (dual)	Efficiency	Market Rate Residential and Small Nonresidential Sector	Incentives provided to HVAC distributors to stock and sell high efficiency units	64.00	52.00	56.00	76.00	66.00	66.00	68.00	
10	Downstream Rebates	Efficiency	Market Rate Residential Sector	HVAC, Thermostats, Air Sealing, Insulation, efficient EV chargers, water heating w/DR enablement (includes gas rebate options)	65.33	60.00	50.00	78.00	66.00	66.00	72.00	
11	Online Transactional Marketplace	Efficiency	Market Rate Residential Sector	Thermostats (with direct enrollment to DR), smart plugs, holiday lighting	70.50	74.00	70.00	81.00	76.00	64.00	58.00	
12	Energy Financing	Efficiency	Market Rate Residential Sector	example: 5 year cap 0% interest (third-party financing, not on-bill)	52.00	56.00	48.00	70.00	46.00	46.00	46.00	Model for Cost-Effectiveness
13	Behavioral/HERs	Efficiency	Market Rate Residential Sector	Home energy reports program (paper/mail and email); behavioral savings; communication direct with customer	68.83	66.00	76.00	77.00	74.00	58.00	62.00	
14	Fuel switching Electric to Gas	Fuel switching	Market Rate Residential Sector	Incentives to switch customers from electric HVAC to gas HVAC	48.17	66.00	42.00	85.00	12.00	40.00	44.00	
15	Residential Energy Audit Online - w/ water heater and HVAC rebates	Efficiency	Market Rate Residential Sector	Includes enhanced Wx and HVAC rebates where recommended	70.83	74.00	68.00	89.00	74.00	52.00	68.00	
16	Residential Energy Audit Online - w/o rebates	Efficiency	Market Rate Residential Sector	No rebates	47.00	42.00	62.00	76.00	46.00	24.00	32.00	
17	Rebates for New Home Construction	Efficiency	Market Rate Residential Sector	Incentives for building above code as well as specific incentives for targeted controllable measures/ heat pumps	68.67	72.00	54.00	86.00	66.00	72.00	62.00	
18	Student Education (w/ marketplace coupons)	PR/education	Market Rate Residential Sector	Curriculum and materials + marketplace coupons for energy saving measures	56.00	58.00	36.00	68.00	74.00	48.00	52.00	
19	Load Disaggregation Software w/ Alerts	Efficiency	Market Rate Residential Sector	Sense, Bidgely	61.50	68.00	66.00	73.00	60.00	40.00	62.00	
20	DLC-AC, Water Heaters and Pool Pumps (Current Program)	DR	All residential and small nonresidential	Current program using old switch technology. Greater focus on summer peak (water heaters are year round) (ramp down participation with switch failures)	56.83	54.00	44.00	73.00	66.00	52.00	52.00	Consider if this should be modeled for cost-effectiveness
21	DLC-AC and Water Heaters and pool pumps (increased budget for device replacement- 15,000 CSV devices)	DR	All residential and small nonresidential	Replace failing cellular devices with paging. Greater focus on summer peak (water heaters are year round) (ramp down participation with switch failures)	57.83	62.00	40.00	81.00	54.00	54.00	56.00	Consider if this should be modeled for cost-effectiveness
22	Smart Thermostat Rebate and Managed (BYOT)	Efficiency and DR	All residential and small nonresidential	Incentive for purchase of smart thermostat when customers enrolls in Smart Thermostat or Peak Time rebates DR programs	74.50	76.00	66.00	91.00	80.00	72.00	62.00	
23	Bring-Your-Own-Device Program	DR	All residential and small nonresidential	Direct control of smart devices supplied by customers including Smart thermostats, pool pumps, generators, smart plugs, smart outlets, water heaters, room AC, hotel HVAC units	70.00	68.00	64.00	88.00	78.00	66.00	56.00	
24	Nonres Demand Response	DR	Large Nonresidential	Current program- which is more of a manual DR	64.17	50.00	72.00	77.00	56.00	60.00	70.00	
25	Nonres Demand Response Enhancement	DR	Large Nonresidential	Add industrial and other interested customers- change incentive structure- target energy intensive customers (still manual DR)	62.17	50.00	72.00	77.00	52.00	60.00	62.00	Model for Cost-Effectiveness
26	Peak Time Rebates	DR	All residential and small nonresidential	Behavioral/ voluntary DR	68.83	60.00	76.00	87.00	50.00	72.00	68.00	Model for Cost-Effectiveness

Scoring												
Each category corresponds to the numbered item in the Review Checklist. Score each proposal 0-2 for each category.												
0 = Does not meet criteria or proposal does not include adequate information to evaluate												
1 = Partially meets criteria												
2 = Fully meets criteria												
SCORE represents the total of the checklist criteria weighted by priority												
Proposed Program Name	Program Type	Segment	Program Description	Score - Average	Evaluator1	Evaluator2	Evaluator3	Evaluator4	Evaluator5	Evaluator6	Comments	
27	Managed Charging (Passenger-Residential)	DR	All residential	No charger rebate included. Telematics method- charging location does not matter	52.17	54.00	46.00	63.00	52.00	50.00	48.00	Model for Cost-Effectiveness
28	Managed Charging (School Buses)	DR	All Nonresidential	No charger rebate included	46.00	54.00	42.00	56.00	30.00	46.00	48.00	
29	Business Rebates	Efficiency	All Nonresidential	Current program - prescriptive, custom (with incentive cap), new construction, and small biz kits	71.83	54.00	64.00	85.00	78.00	70.00	80.00	
30	Business Rebates V2	Efficiency	All Nonresidential	Redesigned program with incentives for kWh and kW on custom; higher/no incentive cap on custom; increase eligibility cap for participation; remove look back allowances (submission for incentives after project start/completion); increased budget for more focused implementation/targeting	75.17	70.00	70.00	83.00	78.00	70.00	80.00	
31	Energy Financing	Efficiency	All Nonresidential	example: 5 year cap 0% interest (third-party financing, not on-bill)	51.50	54.00	40.00	79.00	46.00	40.00	50.00	Model for Cost-Effectiveness
32	Green Roofs	Efficiency	All Nonresidential	Incentives for installing green roofs	35.50	42.00	40.00	49.00	20.00	12.00	50.00	
33	Small business- Audit/ DI	Efficiency	Small nonresidential	Small business audits with direct install low cost measures	70.17	64.00	56.00	83.00	76.00	70.00	72.00	
34	Small business Behavioral (HERs)	Efficiency	Small nonresidential	Small business energy reports (printed and email)	53.83	44.00	60.00	75.00	62.00	28.00	54.00	
35	Strategic Energy Management	Efficiency	Large Nonresidential	Process optimization education for continuous energy improvement with a targeted cohort of participants (3-5 businesses within similar industry); long term savings achievement goals	58.50	70.00	68.00	55.00	40.00	56.00	62.00	
36	Nonresidential Midstream Lighting	Efficiency	All Nonresidential	Incentives provided to lighting distributors to stock and sell high efficiency equipment	68.67	56.00	60.00	82.00	66.00	74.00	74.00	Model for Cost-Effectiveness
37	LED Streetlighting	Efficiency	Nonresidential	Requires ramp up time for conversion- requires hand holding for implementation- Company owned streetlights with bill payers (is it recoverable by DSM?)	61.00	58.00	54.00	64.00	64.00	72.00	54.00	
38	Bidirectional Flow on EVs (Fleets, School Buses and Passenger)	DR	All customers	Must be utility-supplied resource (not on-site generation)	37.67	42.00	38.00	52.00	32.00	24.00	38.00	
39	Energy Storage	DR	All Nonresidential	Incentives for batteries with direct enrollment in DR	44.00	52.00	38.00	56.00	32.00	40.00	46.00	

Program Review Checklist					
Review Checklist					Evaluation method
No.	Program Criteria	Does the Program?	Objective	Priority	
1	Value: Demand Reduction	Reduce Demand?	Is there evidence the program offers significant firm demand reduction including during (winter) peak periods?	High	Program description; literature review indicates program produces kW savings in other jurisdictions
2	Value: Energy Savings (Baseload Reduction)	Save Energy?	Is there evidence the program offers significant energy savings?	High	Program description; literature review indicates program produces kWh savings in other jurisdictions
3	Value: Cost-effectiveness	Have a History of Cost-Effectiveness?	Is there evidence that the program could be cost-effective?	High	Program description; literature review indicates program is cost effective in other jurisdictions
4	Value: Disadvantaged Communities	Benefit Disadvantaged Communities?	Does the program benefit disadvantaged customers/communities?	High	Program description/eligible customers
5	Complexity: Internal Resources	Require Few Cross-Departmental Resources to Deliver Higher Customer Value?	Does the program minimize complexity and maximize value?	Med	Complexity/Value Matrix- top left Quadrant=2; bottom right quadrant = 1, others = 0
6	Complexity: acquisition cost	Have Minimal External and/or Software Start Up Costs?	Can the program be successfully started without substantial DSM investment unrelated to saving energy/demand? (e.g., training and outreach investment that increases acquisitions costs and negatively impacts cost effectiveness)	Med	Program description/delivery mechanism
7	Value: Embracing Technology	Use Market Proven Technology?	Does the program prioritize market ready technologies?	Med	Program description; measure list; Measure included in MidAtlantic TRM
8	Complexity: Customer Burden	Allow for Easy Customer Participation?	Is the program easy for customers to participate in (i.e., minimizes barriers)?	Med	Program description/delivery mechanism
9	Value: Education	Educate Customers?	Does the program provide energy education to customers?	Med	Program description/delivery mechanism
10	Complexity: Parent	Exist at PPL Companies?	Is the program successful in any PPL territories (PA, KY, RI, VA)?	Low	Literature review - program offered by other PPL company and achieves goals (kW or kWh savings)
11	Value: Economic	Promote Local Workforce?	Does the program promote/rely on an established local workforce (thus stimulating economic benefits for KY)?	Low	Program description/delivery mechanism
12	Value: Non-Energy Benefits	Improve Indoor Health and Comfort?	Does the program intend to improve the comfort and indoor health of homes and buildings throughout the Companies' territories?	Low	Program description; measure list

Proposal Scoring Matrix: Evaluator 1

Scoring

Each category corresponds to the numbered item in the Review Checklist. Score each proposal 0-2 for each category.

0 = Does not meet criteria or proposal does not include adequate information to evaluate

1 = Partially meets criteria

2 = Fully meets criteria

SCORE represents the total of the checklist criteria weighted by priority

Proposed Program Name	Segment	Program Description	Score	Comments	Does the Program...												Comments	Recommendation			
					Reduce Demand?	Save Energy?	Have a History of Cost-Effectiveness?	Benefit Disadvantaged Communities?	Require Few Cross-Departmental Resources to Deliver Higher Customer Value?	Have Minimal External and/or Software Start Up Costs?	Use Market Proven Technology?	Allow for Easy Customer Participation?	Educate Customers?	Exist at PPL Companies?	Promote Local Workforce?	Improve Indoor Health and Comfort?					
1	LMI WeCare	Limited Income single family residential	70.00	0.00	Increase eligibility to 300% FPL (w/ increased Inflation Reduction Act administration dollars which will help find increased health & safety funding)	0	1	0	2	2	2	2	2	2	2	2	2	2	2		
2	WeCare with Shade Trees	Limited Income single family residential	54.00	0.00	Current WeCare program design with the addition of planting one tree	0	1	0	1	1	2	2	2	2				2	1		
3	WeCare V2	Limited Income single family residential	72.00	0.00	WeCare that is focused on high impact measures (whole building measures- data-driven targeting) (w/ increased Inflation Reduction Act administration dollars which will help find increased health & safety funding)	0	2	0	2	2	1	2	2	2	2	2	2	2	2		
4	LI Multifamily- whole building	Limited Income multifamily residential	80.00	0.00	Address tenant units with direct install measures + common areas with all analyst recommended improvements (requires both residential and nonresidential measures)	1	2	1	2	1	1	2	2	2	2	2	2	2	2		
5	Shade Trees	Limited Income single family residential	44.00	0.00	Incentives for planting trees that shade home/building	0	1	0	1	1	1	2	2	1			2	0			
6	WeCare Audit Direct Enrollment (Smart Thermostat DR)	Limited Income single family residential	72.00	0.00	Automatic enrollment in smart thermostat DR when a smart thermostat is installed in a WeCare home	2	2	2	1	1	1	2	2	1			1	0	requires wifi		
7	WeCare Audit Direct Enrollment (PTR)	Limited Income single family residential	72.00	0.00	Automatic enrollment in peak time rebates DR program when a smart thermostat is installed in a WeCare home	2	0	2	2	1	1	2	2	2			2	0			
8	Appliance Recycling	Market Rate Residential Sector	78.00	0.00	Free pick up of functioning, older refrigerators and freezers + incentive	1	2	2	2	2	2	2	2	0	2	0	0				
9	Midstream HVAC Rebates (dual fuel)	Market Rate Residential and Small Nonresidential Sector	52.00	0.00	Incentives provided to HVAC distributors to stock and sell high efficiency units	0	2	2	0	2	1	2	2	0			0				
10	Downstream Rebates	Market Rate Residential Sector	60.00	0.00	HVAC, Thermostats, Air Sealing, Insulation, efficient EV chargers, water heating w/DR enablement (includes gas rebate options)	2	2	2	0	2	1	2	1	0			0	0			
11	Online Transactional Marketplace	Market Rate Residential Sector	74.00	0.00	Thermostats (with direct enrollment to DR), smart plugs, holiday lighting	2	2	2	1	2	1	2	2	0	2	0	0				
12	Energy Financing	Market Rate Residential Sector	56.00	0.00	example: 5 year cap 0% interest (third-party financing, not on-bill)	0	2	2	0	2	1	2	2	1			0	0			
13	Behavioral/HERs	Market Rate Residential Sector	66.00	0.00	Home energy reports program (paper/mail and email); behavioral savings; communication direct with customer	0	2	2	1	2	1	2	2	2			0	0			
14	Fuel switching Electric to Gas	Market Rate Residential Sector	66.00	0.00	Incentives to switch customers from electric HVAC to gas HVAC	2	2	0	2	1	2	2	0	0	2	2	1				
15	Residential Energy Audit Online - w/ water heater and HVAC rebates	Market Rate Residential Sector	74.00	0.00	Includes enhanced Wx and HVAC rebates where recommended	1	2	2	0	2	1	2	2	2	2	1	1				
16	Residential Energy Audit Online w/o rebates	Market Rate Residential Sector	42.00	0.00	No rebates	0	0	1	0	2	1	2	2	2			0	0			
17	Rebates for New Home Construction	Market Rate Residential Sector	72.00	0.00	Incentives for building above code as well as specific incentives for targeted controllable measures/ heat pumps	1	2	2	1	2	2	2	2	0	2	0	0				
18	Student Education (w/ marketplace coupons)	Market Rate Residential Sector	58.00	0.00	Curriculum and materials + marketplace coupons for energy saving measures	0	1	0	2	2	2	2	2	2			0	0			
19	Load Disaggregation Software w/ Alerts	Market Rate Residential Sector	68.00	0.00	Sense, Bidgely	1	1	2	2	2	1	2	1	2			0	0			

				Does the Program...														
Scoring																		
Each category corresponds to the numbered item in the Review Checklist. Score each proposal 0-2 for each category.																		
0 = Does not meet criteria or proposal does not include adequate information to evaluate																		
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SCORE represents the total of the checklist criteria weighted by priority																		
Proposed Program Name	Segment	Program Description	Score	Comments	Reduce Demand?	Save Energy?	Have a History of Cost-Effectiveness?	Benefit Disadvantaged Communities?	Require Few Cross-Departmental Resources to Deliver Higher Customer Value?	Have Minimal External and/or Software Start Up Costs?	Use Market Proven Technology?	Allow for Easy Customer Participation?	Educate Customers?	Exist at PPL Companies?	Promote Local Workforce?	Improve Indoor Health and Comfort?	Comments	Recommendation
20	DLC-AC, Water Heaters and Pool Pumps (Current Program)	All residential and small nonresidential	54.00	Current program using old switch technology. Greater focus on summer peak (water heaters are year round) (ramp down participation with switch failures)	1	0	2	0	2	2	2	2	0	2	0	0		
21	DLC-AC and Water Heaters and pool pumps (increased budget for device replacement- 15,000 CSV devices)	All residential and small nonresidential	62.00	Replace failing cellular devices with paging. Greater focus on summer peak (water heaters are year round) (ramp down participation with switch failures)	2	0	2	0	2	2	2	2	0	2	1	0		
22	Smart Thermostat Rebate and Managed (BYOT)	All residential and small nonresidential	76.00	Incentive for purchase of smart thermostat when customers enrolls in Smart Thermostat or Peak Time rebates DR programs	2	2	2	0	2	2	2	2	1	2	0	0		
23	Bring-Your-Own-Device Program	All residential and small nonresidential	68.00	Direct control of smart devices supplied by customers including Smart thermostats, pool pumps, generators, smart plugs, smart outlets, water heaters, room AC, hotel HVAC units														
24	Nonres Demand Response	Large Nonresidential	50.00	Current program- which is more of a manual DR	1	0	2	0	2	2	2	0	2		0	0	RI energy connected devices	
25	Nonres Demand Response Enhancement	Large Nonresidential	50.00	Add industrial and other interested customers- change incentive structure- target energy intensive customers (still manual DR)	1	0	2	0	2	2	2	0	2		0	0		
26	Peak Time Rebates	All residential and small nonresidential	60.00	Behavioral/ voluntary DR	1	0	2	1	2	1	2	2	2		0	0		
27	Managed Charging (Passenger-Residential)	All residential	54.00	No charger rebate included. Telematics method- charging location does not matter	2	0	1	0	2	1	2	2	2		0	0		
28	Managed Charging (School Buses)	All Nonresidential	54.00	No charger rebate included	2	0	1	0	2	1	2	2	2		0	0		
29	Business Rebates	All Nonresidential	54.00	Current program - prescriptive, custom (with incentive cap), new construction, and small biz kits	0	1	2	0	2	2	2	2	1		0	0		
30	Business Rebates V2	All Nonresidential	70.00	Redesigned program with incentives for kWh and kW on custom; higher/no incentive cap on custom; increase eligibility cap for participation; remove look back allowances (submission for incentives after project start/completion); increased budget for more focused implementation/targeting	1	2	2	0	2	2	2	2	1	2	0	0		
31	Energy Financing	All Nonresidential	54.00	example: 5 year cap 0% interest (third-party financing, not on-bill)	0	2	2	0	1	2	2	2	0		1	0		
32	Green Roofs	All Nonresidential	42.00	Incentives for installing green roofs	0	1	0	0	2	2	2	2	0		2	0		
33	Small business- Audit/ DI	Small nonresidential	64.00	Small business audits with direct install low cost measures	0	2	2	0	1	1	2	2	2	2	2	0	PPL SB Direct Install Program	
34	Small business Behavioral (HERs)	Small nonresidential	44.00	Small business energy reports (printed and email)	0	1	1	0	1	1	2	2	2		0	0		
35	Strategic Energy Management	Large Nonresidential	70.00	Process optimization education for continuous energy improvement with a targeted cohort of participants (3-5 businesses within similar industry); long term savings achievement goals	1	2	2	0	2	2	2	2	2		0	0		
36	Nonresidential Midstream Lighting	All Nonresidential	56.00	Incentives provided to lighting distributors to stock and sell high efficiency equipment	0	2	2	0	2	2	2	2	0		0	0		
37	LED Streetlighting	Nonresidential	58.00	Requires ramp up time for conversion- requires hand holding for implementation- Company owned streetlights with bill payers (is it recoverable by DSM?)	0	2	1	2	1	2	2	2	0		0	0		

Proposal Scoring Matrix: Evaluator 2																			
Scoring																			
Each category corresponds to the numbered item in the Review Checklist. Score each proposal 0-2 for each category.																			
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Proposed Program Name	Segment	Program Description	Score	Comments	Does the Program...												Comments	Recommendation	
					Reduce Demand?	Save Energy?	Have a History of Cost Effectiveness?	Benefit Disadvantaged Communities?	Require Few Cross-Departmental Resources to Deliver Higher Customer Value?	Have Minimal External and/or Software Start-Up Costs?	Use Market Proven Technology?	Allow for Easy Customer Participation?	Educate Customers?	Exist at PPL Companies?	Promote Local Workforce?	Improve Indoor Health and Comfort?			
1	LMI WeCare	Limited Income single family residential	58.00	0.00	Increase eligibility to 300% FPL (w/ increased Inflation Reduction Act administration dollars which will help find increased health & safety funding)	0	1	0	2	1	1	1	2	2	2	2	2		
2	WeCare with Shade Trees	Limited Income single family residential	52.00	0.00	Current WeCare program design with the addition of planting one tree	0	1	0	2	1	1	0	2	2	1	2	2		
3	WeCare V2	Limited Income single family residential	52.00	0.00	WeCare that is focused on high impact measures (whole building measures- data-driven targeting) (w/ increased Inflation Reduction Act administration dollars which will help find increased health & safety funding)	0	1	0	2	1	1	0	2	2	1	2	2		
4	LI Multifamily- whole building	Limited Income multifamily residential	52.00	0.00	Address tenant units with direct install measures + common areas with all analyst recommended improvements (requires both residential and nonresidential measures)	0	1	0	2	1	1	0	2	2	1	2	2		
5	Shade Trees	Limited Income single family residential	46.00	0.00	Incentives for planting trees that shade home/building	0	1	0	1	1	1	0	2	2	1	2	2		
6	WeCare Audit Direct Enrollment (Smart Thermostat DR)	Limited Income single family residential	66.00	0.00	Automatic enrollment in smart thermostat DR when a smart thermostat is installed in a WeCare home	2	0	1	2	1	1	2	1	2	1	2	1		
7	WeCare Audit Direct Enrollment (PTR)	Limited Income single family residential	74.00	0.00	Automatic enrollment in peak time rebates DR program when a smart thermostat is installed in a WeCare home	2	0	2	2	2	1	2	1	2	1	1	1		
8	Appliance Recycling	Market Rate Residential Sector	68.00	0.00	Free pick up of functioning, older refrigerators and freezers + incentive	1	2	2	0	2	2	1	2	1	1	2	0		
9	Midstream HVAC Rebates (dual fuel)	Market Rate Residential and Small Nonresidential Sector	56.00	0.00	Incentives provided to HVAC distributors to stock and sell high efficiency units	1	2	1	0	1	2	1	2	1	1	0	1		
10	Downstream Rebates	Market Rate Residential Sector	50.00	0.00	HVAC, Thermostats, Air Sealing, Insulation, efficient EV chargers, water heating w/DR enablement (includes gas rebate options)	1	2	1	0	1	1	2	1	1	1	0	0		
11	Online Transactional Marketplace	Market Rate Residential Sector	70.00	0.00	Thermostats (with direct enrollment to DR), smart plugs, holiday lighting	1	2	2	0	2	2	2	2	1	2	0	0		
12	Energy Financing	Market Rate Residential Sector	48.00	0.00	example: 5 year cap 0% interest (third-party financing, not on-bill) Model for Cost-Effectiveness	0	2	0	2	0	1	1	0	2	0	2	2		
13	Behavioral/HERs	Market Rate Residential Sector	76.00	0.00	Home energy reports program (paper/mail and email); behavioral savings; communication direct with customer	1	2	2	1	1	2	2	2	2	1	0	1		
14	Fuel switching Electric to Gas	Market Rate Residential Sector	42.00	0.00	Incentives to switch customers from electric HVAC to gas HVAC	1	1	1	0	1	1	1	0	1	2	1	1		
15	Residential Energy Audit Online - w/ water heater and HVAC rebates	Market Rate Residential Sector	68.00	0.00	Includes enhanced Wx and HVAC rebates where recommended	1	2	2	1	1	0	2	2	2	1	0	1		
16	Residential Energy Audit Online - w/o rebates	Market Rate Residential Sector	62.00	0.00	No rebates	1	2	1	1	1	0	2	2	2	1	0	1		
17	Rebates for New Home Construction	Market Rate Residential Sector	54.00	0.00	Incentives for building above code as well as specific incentives for targeted controllable measures/ heat pumps	1	2	1	0	1	2	1	0	2	1	0	2		
18	Student Education (w/ marketplace coupons)	Market Rate Residential Sector	36.00	0.00	Curriculum and materials + marketplace coupons for energy saving measures	0	1	1	0	1	1	2	0	2	0	0	0		
19	Load Disaggregation Software w/ Alerts	Market Rate Residential Sector	66.00	0.00	Sense, Bidgely	2	2	1	1	1	0	2	1	2	1	0	2		

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Proposed Program Name	Segment	Program Description	Score	Comments	Does the Program...										Comments	Recommendation	
					Reduce Demand?	Save Energy?	Have a History of Cost-Effectiveness?	Benefit Disadvantaged Communities?	Require Few Cross-Departmental Resources to Deliver Higher Customer Value?	Have Minimal External and/or Software Start-Up Costs?	Use Market Proven Technology?	Allow for Easy Customer Participation?	Educate Customers?	Exist at PPL Companies?			Promote Local Workforce?
39 Energy Storage	All Nonresidential	Incentives for batteries with direct enrollment in DR	38.00	0.00	2	0	1	0	1	1	2	0	1	0	0	0	confirm save energy is no?

Proposal Scoring Matrix: Evaluator 4																			
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					Reduce Demand?	Save Energy?	Have a History of Cost-Effectiveness?	Benefit Disadvantaged Communities?	Require Few Cross-Departmental Resources to Deliver Higher Customer Value?	Have Minimal External and/or Software Start Up Costs?	Use Market Proven Technology?	Allow for Easy Customer Participation?	Educate Customers?	Exist at PPL Companies?	Promote Local Workforce?	Improve Indoor Health and Comfort?			
1	LMI WeCare	Limited Income single family residential	76.00	0.00	1	2	0	2	2	2	2	2	1	2	1	2	2	Gave 1 for programs that achieve coincident peak demand reduction (2 for deliberate peak reduction)	
2	WeCare with Shade Trees	Limited Income single family residential	72.00	0.00	1	2	0	2	1	2	2	1	2	1	2	2	2	Shade Trees will not add savings for the program and will add cost, but C/E is not a deal breaker for LI programs	
3	WeCare V2	Limited Income single family residential	76.00	0.00	1	2	0	2	2	1	2	2	2	1	2	2	2	Increased start up costs for geo-targeting; greater savings overall	
4	LI Multifamily- whole building	Limited Income multifamily residential	72.00	0.00	1	2	0	2	2	2	2	1	1	1	2	2			
5	Shade Trees	Limited Income single family residential	36.00	0.00	0	0	0	2	2	2	0	1	0	0	2	0			
6	WeCare Audit Direct Enrollment (Smart Thermostat DR)	Limited Income single family residential	82.00	0.00	2	2	0	2	2	2	2	1	2	1	2	2			
7	WeCare Audit Direct Enrollment (PTR)	Limited Income single family residential	82.00	0.00	2	2	0	2	2	2	2	1	2	1	2	2			
8	Appliance Recycling	Market Rate Residential Sector	78.00	0.00	1	2	2	2	2	1	2	2	0	2	2	0	If implementation is turnkey, I scored it as complexity is low		
9	Midstream HVAC Rebates (dual fuel)	Market Rate Residential and Small Nonresidential Sector	66.00	0.00	1	2	2	0	1	1	2	2	0	2	2	2			
10	Downstream Rebates	Market Rate Residential Sector	66.00	0.00	1	2	2	0	1	1	2	1	1	2	2	2			
11	Online Transactional Marketplace	Market Rate Residential Sector	76.00	0.00	2	2	2	0	2	1	2	2	1	2	0	2			
12	Energy Financing	Market Rate Residential Sector	46.00	0.00	1	2	0	0	2	2	2	0	0	0	1	1	Model for Cost-Effectiveness		
13	Behavioral/HERs	Market Rate Residential Sector	74.00	0.00	1	2	0	2	2	1	2	2	2	2	0	2			
14	Fuel switching Electric to Gas	Market Rate Residential Sector	12.00	0.00	0	0	0	0	1	1	0	0	0	0	2	0			
15	Residential Energy Audit Online - w/ water heater and HVAC rebates	Market Rate Residential Sector	74.00	0.00	1	2	2	0	1	1	2	2	2	2	2	2			
16	Residential Energy Audit Online - w/o rebates	Market Rate Residential Sector	46.00	0.00	1	2	0	0	1	1	0	2	2	1	0	1			
17	Rebates for New Home Construction	Market Rate Residential Sector	66.00	0.00	1	2	2	0	1	1	2	2	0	2	2	2			
18	Student Education (w/ marketplace coupons)	Market Rate Residential Sector	74.00	0.00	1	2	2	0	1	1	2	2	2	2	2	2	Historical cost-effectiveness may be dependent on lighting measures that are no longer applicable		
19	Load Disaggregation Software w/ Alerts	Market Rate Residential Sector	60.00	0.00	2	2	2	0	0	0	2	2	2	0	0	0			

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					Reduce Demand?	Save Energy?	Have a History of Cost-Effectiveness?	Benefit Disadvantaged Communities?	Require Few Cross-Departmental Resources to Deliver Higher Customer Value?	Have Minimal External and/or Software Start Up Costs?	Use Market Proven Technology?	Allow for Easy Customer Participation?	Educate Customers?	Exist at PPL Companies?	Promote Local Workforce?			Improve Indoor Health and Comfort?		
38	Bidirectional Flow on EVs (Fleets, School Buses and Passenger)	All customers	Must be utility-supplied resource (not on-site generation)	32.00	0.00	2	0	0	0	0	1	1	1	2	0	0	0	0		
39	Energy Storage	All Nonresidential	Incentives for batteries with direct enrollment in DR	32.00	0.00	2	0	0	0	1	1	1	2	0	0	0	0	0		

Proposal Scoring Matrix: Evaluator 5																				
Scoring																				
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Proposed Program Name	Segment	Program Description	Score	Comments	Does the Program...											Comments	Recommendation			
					Reduce Demand?	Save Energy?	Have a History of Cost Effectiveness?	Benefit Disadvantaged Communities?	Require Few Cross-Departmental Resources to Deliver Higher Customer Value?	Have Minimal External and/or Software Start-Up Costs?	Use Market Proven Technology?	Allow for Easy Customer Participation?	Educate Customers?	Exist at PPL Companies?	Promote Local Workforce?			Improve Indoor Health and Comfort?		
1	LMI WeCare	Limited Income single family residential	74.00	0.00	Increase eligibility to 300% FPL (w/ increased Inflation Reduction Act administration dollars which will help find increased health & safety funding)	1	2	0	2	2	2	2	2	1	1	2	2	2	uncertain if LGE provides energy education during audits. IRA dollars could add uncertainty regarding ability to distribute funds efficiently.	
2	WeCare with Shade Trees	Limited Income single family residential	32.00	0.00	Current WeCare program design with the addition of planting one tree	0	0	0	2	1	0	0	1	2	0	2	0	implementation uncertainty. No EE/DR benefits. Would reduce WeCare cost effectiveness		
3	WeCare V2	Limited Income single family residential	78.00	0.00	WeCare that is focused on high impact measures (whole building measures- data-driven targeting) (w/ increased Inflation Reduction Act administration dollars which will help find increased health & safety funding)	2	2	0	2	1	2	2	2	1	1	2	2	Assume this targets measures with coincident peak benefits.		
4	LI Multifamily- whole building	Limited Income multifamily residential	66.00	0.00	Address tenant units with direct install measures + common areas with all analyst recommended improvements (requires both residential and nonresidential measures)	1	2	0	2	1	1	2	1	1	2	2	2			
5	Shade Trees	Limited Income single family residential	28.00	0.00	Incentives for planting trees that shade home/building	0	0	0	2	1	0	0	2	1	0	0	0	Assume customers would be educated about proper planting and care. Assume customers would plant trees themselves rather than hiring local workforce.		
6	WeCare Audit Direct Enrollment (Smart Thermostat DR)	Limited Income single family residential	74.00	0.00	Automatic enrollment in smart thermostat DR when a smart thermostat is installed in a WeCare home	2	1	2	2	2	0	2	2	1	0	2	0	Assume this would be CE since the costs are already accounted for in WeCare		
7	WeCare Audit Direct Enrollment (PTR)	Limited Income single family residential	74.00	0.00	Automatic enrollment in peak time rebates DR program when a smart thermostat is installed in a WeCare home	2	1	2	2	2	0	2	2	1	0	2	0			
8	Appliance Recycling	Market Rate Residential Sector	72.00	0.00	Free pick up of functioning, older refrigerators and freezers + incentive	1	2	2	1	2	2	2	2	0	2	0	0			
9	Midstream HVAC Rebates (dual fuel)	Market Rate Residential and Small Nonresidential Sector	66.00	0.00	Incentives provided to HVAC distributors to stock and sell high efficiency units	1	2	2	0	1	1	2	2	0	2	2	2			
10	Downstream Rebates	Market Rate Residential Sector	66.00	0.00	HVAC, Thermostats, Air Sealing, Insulation, efficient EV chargers, water heating w/DR enablement (includes gas rebate options)	1	2	2	0	1	2	2	1	0	2	2	2			
11	Online Transactional Marketplace	Market Rate Residential Sector	64.00	0.00	Thermostats (with direct enrollment to DR), smart plugs, holiday lighting	1	2	2	0	2	1	2	2	0	2	0	1			
12	Energy Financing	Market Rate Residential Sector	46.00	0.00	example: 5 year cap 0% interest (third-party financing, not on-bill)	1	2	1	1	0	0	2	0	0	2	1	1	Model for Cost-Effectiveness		
13	Behavioral/HERs	Market Rate Residential Sector	58.00	0.00	Home energy reports program (paper/mail and email); behavioral savings; communication direct with customer	1	2	0	1	1	1	2	2	2	0	0	1			
14	Fuel switching Electric to Gas	Market Rate Residential Sector	40.00	0.00	Incentives to switch customers from electric HVAC to gas HVAC	2	0	0	0	2	1	2	1	0	0	2	0			
15	Residential Energy Audit Online - w/ water heater and HVAC rebates	Market Rate Residential Sector	52.00	0.00	Includes enhanced Wx and HVAC rebates where recommended	1	1	0	0	2	1	2	1	2	2	1	1	Saves energy and demand, improves comfort only if customers install recommended measures with enhanced rebates		
16	Residential Energy Audit Online - w/o rebates	Market Rate Residential Sector	24.00	0.00	No rebates	0	0	0	0	2	1	0	1	2	0	0	0			
17	Rebates for New Home Construction	Market Rate Residential Sector	72.00	0.00	Incentives for building above code as well as specific incentives for targeted controllable measures/ heat pumps	2	2	2	0	2	2	2	0	0	2	2	2			
18	Student Education (w/ marketplace coupons)	Market Rate Residential Sector	48.00	0.00	Curriculum and materials + marketplace coupons for energy saving measures	0	0	1	1	2	1	1	2	2	2	0	0			
19	Load Disaggregation Software w/ Alerts	Market Rate Residential Sector	40.00	0.00	Sense, Bidgely	1	1	0	0	1	0	2	2	2	0	0	0			

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39 Energy Storage	All Nonresidential	Incentives for batteries with direct enrollment in DR	40.00	0.00	2	0	0	0	2	2	2	1	0	0	0	0			

Proposal Scoring Matrix: Evaluator 6																			
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1	LMI WeCare	Limited Income single family residential	76.00	0.00	1	2	0	2	1	2	2	2	2	1	2	2	Program isn't designed as a primary objective to reduce demand. Not shown to be cost-effective (but doesn't need to be). PPL does not offer moderate to low income at 300% FPL (PPL's OnTrack and LIHEAP is 150% and WRAP and Operation Help is 200%). It may require departmental resources to provide locational services. Concerns of not enough contractors available to meet the demand.		
2	WeCare with Shade Trees	Limited Income single family residential	76.00	0.00	1	2	0	2	1	2	2	2	2	1	2	2	Not demand focused. Not shown to be cost-effective (but doesn't need to be). Aligns well with PPL Wrap program. (PPL's OnTrack and LIHEAP is 150% and WRAP and Operation Help is 200%) PPL does not offer Trees.		
3	WeCare V2	Limited Income single family residential	72.00	0.00	1	2	0	2	1	1	2	2	2	1	2	2	Not demand focused. Not shown to be cost-effective (but doesn't need to be). PPL offers some deep retrofits. It may require departmental resources to provide locational services and may require active implementer to locate and target these customers. Concerns of not enough contractors available to meet the demand.		
4	LI Multifamily- whole building	Limited Income multifamily residential	72.00	0.00	1	2	0	2	1	1	2	2	2	1	2	2	Not designed to reduce demand directly. Not shown to be C-E. May have costs to increase departmental resources and known to have higher implementation cost for these hard to reach segment. PPL has a MF and but not directly focused on LI.		
5	Shade Trees	Limited Income single family residential	44.00	0.00	0	0	0	1	2	2	0	2	2	0	2	1	No shown to have save energy (or at least very minimal). Not shown to be C-E. Not proven. Not in PPL. Has the ability to improve air quality/comfort if large amount of trees are planted.		
6	WeCare Audit Direct Enrollment (Smart Thermostat DR)	Limited Income single family residential	72.00	0.00	1	2	1	2	1	1	2	2	2	0	2	0	Not firm resource. DR component may be cost-effective. Requires some intergation with departmental resources and software for tracking. No PPL. Does not improve comfort or health directly.		
7	WeCare Audit Direct Enrollment (PTR)	Limited Income single family residential	72.00	0.00	1	2	1	2	1	1	2	2	2	0	2	0	Not firm resource. DR component may be cost-effective. Requires some intergation with departmental resources and software for tracking. No PPL. Does not improve comfort or health directly.		
8	Appliance Recycling	Market Rate Residential Sector	86.00	0.00	1	2	2	2	2	1	2	2	2	2	2	0	Not designed to reduce demand directly, but supports base load reduction. Requires implementer costs to restart program. No improvement for comfort or health (only social).		
9	Midstream HVAC Rebates (dual fuel)	Market Rate Residential and Small Nonresidential Sector	68.00	0.00	1	2	2	0	2	1	2	2	1	1	0	2	Depending on perspective, EE HVAC equipment can be considered as a firm resource for demand reduction, just not controllable. Not all midstream programs are C-E initially, but once fully operational can be C-E. Does not support LI very well. Needs implementer to connect vendors. Less connection with customers to be able to educate them. PPL only offers nonres. No real change in workforce.		
10	Downstream Rebates	Market Rate Residential Sector	72.00	0.00	1	2	1	0	2	1	2	2	2	2	2	2	Depending on perspective, EE HVAC equipment can be considered as a firm resource for demand reduction, just not controllable. May not be C-E. Does not support LI very well. Needs some start up costs.		
11	Online Transactional Marketplace	Market Rate Residential Sector	58.00	0.00	1	2	1	0	1	1	1	2	2	1	2	0	Not firm resource. DR component may be cost-effective. Requires some intergation with departmental resources and software for tracking. Does not support LI very well. PPL some of these measures. Does not improve comfort or health directly.		
12	Energy Financing	Market Rate Residential Sector	46.00	Model for Cost-Effectiveness	1	2	0	0	1	1	1	1	1	2	1	1	Can save energy for EE projects. Not C-E. Not great for LI. Requires billing/banking connection. Not proven for all markets.		
13	Behavioral/HERs	Market Rate Residential Sector	62.00	0.00	1	2	0	1	2	1	2	2	2	1	0	0	Not C-E typically. Can help all customers. Requires software and other costs. It used to be a PPL program (currently under consideration again). Not local. May improvement comfort or health but in general not designed to do that.		
14	Fuel switching Electric to Gas	Market Rate Residential Sector	44.00	0.00	2	2	0	0	1	1	1	0	1	0	2	0	Saves energy and can be considered firm. Not C-E. Not clear it will help LI. Requires effort to prove moving customer from electric to gas is beneficial to the customer (and not just the utility).		
15	Residential Energy Audit Online - w/ water heater and HVAC rebates	Market Rate Residential Sector	68.00	0.00	1	2	0	1	1	1	2	2	2	2	2	2	Not C-E but promotes Wx and HVAC. Maybe some benefit for LI. Requires software or resources to customer experience.		
16	Residential Energy Audit Online w/o rebates	Market Rate Residential Sector	32.00	0.00	0	0	0	1	1	1	0	2	2	1	0	0	Not C-E. Maybe some benefit for LI. Requires software or resources to customer experience. Only see this as educational.		
17	Rebates for New Home Construction	Market Rate Residential Sector	62.00	0.00	1	2	1	0	2	1	2	1	1	2	1	2	May not be C-E. Not designed for LI. Program designed for builders.		
18	Student Education (w/ marketplace coupons)	Market Rate Residential Sector	52.00	0.00	0	1	0	1	2	2	1	2	2	2	0	0	Only C-E possible if tied to installed measures in the marketplace. (may save energy if tied to measures)		
19	Load Disaggregation Software w/ Alerts	Market Rate Residential Sector	62.00	0.00	1	2	1	1	1	1	2	2	2	0	0	0	Requires software/external implementer. May not be C-E and may not reduce demand (only energy).		
20	DLC-AC, Water Heaters and Pool Pumps (Current Program)	All residential and small nonresidential	52.00	Consider if this should be modeled for cost-effectiveness	1	0	2	0	2	2	2	1	1	0	1	0	Because the switches are one-way, do not consider firm.		

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21	DLC-AC and Water Heaters and pool pumps (increased budget for device replacement- 15,000 CSV devices)	All residential and small nonresidential	Replace failing cellular devices with paging. Greater focus on summer peak (water heaters are year round) (ramp down participation with switch failures)	56.00	Consider if this should be modeled for cost-effectiveness	1	0	2	0	2	2	2	2	1	0	1	0	For the new customers, it will educate and will be easy to participate.
22	Smart Thermostat Rebate and Managed (BYOT)	All residential and small nonresidential	Incentive for purchase of smart thermostat when customers enrolls in Smart Thermostat or Peak Time rebates DR programs	62.00	0.00	2	0	2	1	1	1	2	2	2	0	0	0	While not considered a "FIRM" resource, more firm than one-way switches and peak time rebates
23	Bring-Your-Own-Device Program	All residential and small nonresidential	Direct control of smart devices supplied by customers including Smart thermostats, pool pumps, generators, smart plugs, smart outlets, water heaters, room AC, hotel HVAC units	56.00	0.00	2	0	1	1	1	2	2	2	2	0	0	0	While not considered a "FIRM" resource, more firm than one-way switches and peak time rebates. Not all devices will be C-E
24	Nonres Demand Response	Large Nonresidential	Current program- which is more of a manual DR	70.00	0.00	2	1	2	0	2	2	2	2	2	0	0	0	Considered firm even if manual. Can save some energy.
25	Nonres Demand Response Enhancement	Large Nonresidential	Add industrial and other interested customers- change incentive structure- target energy intensive customers (still manual DR)	62.00	Model for Cost-Effectiveness	2	1	2	0	1	1	2	2	2	0	0	0	May require additional resources/departments to locate new customers. Considered firm even if manual. Can save some energy.
26	Peak Time Rebates	All residential and small nonresidential	Behavioral/ voluntary DR	68.00	Model for Cost-Effectiveness	1	1	2	2	1	1	2	2	2	0	0	0	Not completely firm resource. Requires software and AMI.
27	Managed Charging (Passenger-Residential)	All residential	No charger rebate included. Telematics method- charging location does not matter	48.00	Model for Cost-Effectiveness	1	0	1	0	2	1	2	2	2	0	0	0	Not completely firm resource. Requires software. Load shifting.
28	Managed Charging (School Buses)	All Nonresidential	No charger rebate included	48.00	0.00	1	0	1	0	2	1	2	2	2	0	0	0	Not completely firm resource. Requires software. Load shifting.
29	Business Rebates	All Nonresidential	Current program - prescriptive, custom (with incentive cap), new construction, and small biz kits	80.00	0.00	1	2	2	0	2	2	2	2	2	2	2	1	
30	Business Rebates V2	All Nonresidential	Redesigned program with incentives for kWh and kW on custom; higher/no incentive cap on custom; increase eligibility cap for participation; remove look back allowances (submission for incentives after project start/completion); increased budget for more focused implementation/targeting	80.00	0.00	1	2	2	0	2	2	2	2	2	2	2	1	
31	Energy Financing	All Nonresidential	example: 5 year cap 0% interest (third-party financing, not on-bill)	50.00	Model for Cost-Effectiveness	1	2	0	0	1	1	1	2	1	2	1	1	Can be easy for nonresidential customers than residential customers. Can save energy for EE projects. Not C-E. Requires billing/banking connection. Not proven for all markets.
32	Green Roofs	All Nonresidential	Incentives for installing green roofs	50.00	0.00	0	2	0	0	2	2	1	2	1	0	2	1	Not C-E. Requires strong contractor base.
33	Small business- Audit/ DI	Small nonresidential	Small business audits with direct install low cost measures	72.00	0.00	1	2	1	0	2	2	2	2	2	2	2	0	Can be C-E in some cases.
34	Small business Behavioral (HERs)	Small nonresidential	Small business energy reports (printed and email)	54.00	0.00	0	2	1	0	2	1	2	2	2	0	0	0	May require additional resources/departments to locate new customers.
35	Strategic Energy Management	Large Nonresidential	Process optimization education for continuous energy improvement with a targeted cohort of participants (3-5 businesses within similar industry); long term savings achievement goals	62.00	0.00	1	2	1	0	2	1	2	2	2	0	1	0	Small impact but may have long terms savings. Not always C-E
36	Nonresidential Midstream Lighting	All Nonresidential	Incentives provided to lighting distributors to stock and sell high efficiency equipment	74.00	Model for Cost-Effectiveness	1	2	2	0	2	2	2	2	1	2	1	1	Likely higher participation than downstream rebates.
37	LED Streetlighting	Nonresidential	Requires ramp up time for conversion- requires hand holding for implementation- Company owned streetlights with bill payers (is it recoverable by DSM?)	54.00	0.00	0	2	2	0	1	2	2	1	1	0	1	0	Reduces base night loads.
38	Bidirectional Flow on EVs (Fleets, School Buses and Passenger)	All customers	Must be utility-supplied resource (not on-site generation)	38.00	0.00	2	0	0	0	1	1	1	1	2	0	1	0	Not C-E typically. May require other departments.
39	Energy Storage	All Nonresidential	Incentives for batteries with direct enrollment in DR	46.00	0.00	2	0	0	0	1	1	2	2	2	0	1	0	May be C-E under certain applications, but usually TRC (costs are too high)