

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In The Matter of:)
)
THE ANNUAL COST RECOVERY FILING) Case No. 2020-00371
FOR DEMAND SIDE MANAGEMENT BY)
DUKE ENERGY KENTUCKY, INC.)

FILING OF THE ANNUAL STATUS REPORT, ADJUSTMENT OF THE DSM COST RECOVERY MECHANISM, AND AMENDED TARIFF SHEETS FOR GAS RIDER DSMR (SHEET NO. 62) AND ELECTRIC RIDER DSMR (REVISED SHEET NO. 78)

Now comes Duke Energy Kentucky, Inc. (Duke Energy Kentucky or the Company) with the consensus of the Residential Collaborative and the Commercial and Industrial Collaborative, and pursuant to prior Orders of the Kentucky Public Service Commission (Commission) relevant to Duke Energy Kentucky’s Demand Side Management (DSM) strategy,¹ and hereby files its Annual Status Report, Adjustment of the DSM Cost Recovery Mechanisms for both gas and electric service (DSM Riders), and Amended Tariff Sheets for Gas Rider DSMR and Electric Rider DSMR (Application).

1. Pursuant to 807 KAR 5:001, Section 14(2), Duke Energy Kentucky is a Kentucky corporation that was originally incorporated on March 20, 1901, is in good standing and, as a public utility as that term is defined in KRS 278.010(3), is subject to the Commission’s jurisdiction. Duke Energy Kentucky is engaged in the business of furnishing

¹ See November 4, 2004 Order in Case No. 2003-00367, February 14, 2005 Order in Case No. 2004-00389, April 4, 2006 Order in Case No. 2005-00402, May 15, 2007 Order in Case No. 2006-00426, May 14, 2008 Order in Case No. 2007-00369, May 12, 2009 Order in Case No. 2008-00473, March 22, 2010 Order in Case No. 2009-00444, June 7, 2011 Order in Case No. 2010-00445, April 13, 2012 Order in Case No. 2011-00448, June 29, 2012 Order in Case No. 2012-00085, April 11, 2013 Order in Case No. 2012-00495, March 28, 2014 in Case No. 2013-00395, May 7, 2015 in Case No. 2014-00388, April 4, 2016 in Case No 2015-00368, March 28, 2017 in Case No. 2016-00382, September 13, 2018 in Case No. 2017-00427, October 2, 2019 in Case No. 2018-00370, and April 29, 2020 in Case No. 2019-00406 .

natural gas and electric services to various municipalities and unincorporated areas in Boone, Bracken, Campbell, Gallatin, Grant, Kenton, and Pendleton Counties in the Commonwealth of Kentucky.

2. Duke Energy Kentucky's business address is 139 East Fourth Street, Cincinnati, Ohio 45202. The Company's local office in Kentucky is Duke Energy Erlanger Ops Center, 1262 Cox Road, Erlanger, Kentucky 41018. Duke Energy Kentucky's email address is KYfilings@duke-energy.com.

3. On October 26, 2020, the Residential Collaborative² and the Commercial & Industrial Collaborative³ met to review the Application. Unless otherwise stated, the Residential Collaborative and the Commercial & Industrial Collaborative are jointly referred to herein as "Collaborative." The Collaborative has received the Company's proposal and had the opportunity to provide comments.

4. In addition to filing the annual status report in this Application, Duke Energy Kentucky respectfully requests a modification of Duke Energy Kentucky's DSM Riders to reflect the reconciliation of planned and actual expenditures, lost revenues, and shared savings.

5. Pursuant to the Commission's Order dated September 13, 2018, in Case No. 2017-00427, the Company's portfolio of programs in effect during the fiscal year covered by this Application were approved. The Company requested and received approval to continue the approved portfolio with the commitment to file the annual cost recovery DSM

² The Residential Collaborative members in attendance were Larry Cook (Office of the Kentucky Attorney General), Kenya Stump (Office of Energy Policy), Brandon Holmes (Northern Kentucky Community Action Commission), Jock Pitts (People Working Cooperatively), and Trisha Haemmerle (Duke Energy).

³ The Commercial & Industrial Collaborative members in attendance were Larry Cook (Office of the Kentucky Attorney General), Christine Baker (Kenton County School District), Kenya Stump (Office of Energy Policy), and Trisha Haemmerle (Duke Energy).

filing and the annual amendment filing.⁴ As a result, this Application serves as the annual true-up of the fiscal year ending June 30, 2020 of programs.

Background

6. The Company's offering of DSM programs dates back close to two decades.⁵ Throughout the years, the Company has offered many enhancements to its portfolio with the purpose of increasing participation and providing customers new and innovative opportunities to control their consumption and impact their utility bill. The portfolio of programs in place during the fiscal year ending June 30, 2020 and that is the subject of this Application was approved by the Commission's September 13, 2018 Order in Case No. 2017-00427. In its February 14, 2018 Order, the Commission consolidated Case Nos. 2017-00324 and 2017-00427 and suspended the Company's portfolio of programs. In response to the Company's request for Rehearing, on September 13, 2018, the Commission issued an Order modifying the Company's portfolio and lifting the suspension.

7. Like the Company's prior annual DSM filings, this Application specifically addresses the requirements in prior Commission Orders⁶ and is being made consistent with the Commission's September 18, 2007 Order in Case 2007-00369 granting Duke Energy Kentucky's request to file annual DSM applications no later than November 15. In the status

⁴ Order in Case No. 2017-00427

⁵ *In the Matter of the Joint Application Pursuant to 1994 House Bill No. 501 For the Approval of Principles of Agreement, Demand Side Management, The Union Light Heat and Power Company, and for Authority for the Union Light Heat and Power Company to Implement Various Tariffs and Receive Incentives Associated the Demand Side Management Programs*, Case No. 95-312, Order December 1, 1995.

⁶ November 20, 2003 Order in Case No. 2003-00367, February 14, 2005 Order in Case 2004-00389, April 4, 2006 Order in Case No. 2005-00402, May 15, 2007 Order in Case No. 2006-00426, May 14, 2008 Order in Case No. 2007-00369, March 22, 2010 Order in Case No. 2009-00444, June 7, 2011 Order in Case No. 2010-00445, April 13, 2012 Order in Case No. 2011-00448, April 11, 2013 Order in Case No. 2012-495, March 28, 2014 Order in Case No. 2013-00395, May 7, 2015 Order in Case No. 2014-00388, April 4, 2016 Order in Case No 2015-00368, March 28, 2017 in Case No. 2016-00382, September 13, 2018 in Case No. 2017-00427, and October 2, 2019 in Case No. 2018-00370.

and reconciliation portion of this report, expenses are reported for the fiscal year period July 1, 2019 through June 30, 2020.

8. In this Application, Duke Energy Kentucky also requests an Order approving the proposed adjustments to the DSM riders and the revised rate tariffs and updated program tariffs due to a change in the Company’s local office address. (Appendices C – F).

Definitions

For the purposes of this Application, the following terms will have the following meanings:

9. **“DSM Revenue Requirements”** shall mean the revenue requirements associated with all Program Costs, Administrative Costs, Lost Revenues (less fuel savings), and the Shareholder Incentive.

10. **“Program Costs”** shall mean the costs incurred for planning, developing, implementing, monitoring and evaluating the DSM programs that have been approved by the Collaborative

11. **“Administrative Costs”** shall mean the costs incurred by or on behalf of the collaborative process and that are approved by the Collaborative, including, but not limited to, costs for consultants, employees and administrative expenses.

12. **“Lost Revenues”** shall have the same meaning as “LR” as described in Rider DSM - Demand Side Management Cost Recovery Rider, Sheet No. 75.

13. **“Shareholder Incentive”** shall have the same meaning as “PI” as described in Rider DSM - Demand Side Management Cost Recovery Rider, Sheet No. 75.

14. **“DSM Cost Recovery Mechanism”** shall refer to Rider DSM - Demand Side Management Cost Recovery Rider, Sheet No. 75.

Status of Prior Portfolio of DSM Programs

15. Through June 30, 2019, Duke Energy Kentucky offered the following programs, the costs of which are recoverable through the DSM Cost Recovery Rider mechanism approved by the Commission in prior proceedings:

- Program 1: Residential Smart Saver[®] Energy Efficient Residences Program;
- Program 2: Residential Smart Saver[®] Energy Efficient Products Program;⁷
- Program 3: Residential Energy Assessments Program (Residential Home Energy House Call);
- Program 4: Low Income Services Program;
- Program 5: Residential Direct Load Control- Power Manager[®] Program;
- Program 6: Smart Saver[®] Prescriptive Program;
- Program 7: Smart Saver[®] Custom Program;
- Program 8: Peak Load Manager (Rider PLM) - PowerShare[®] Program;
- Program 9: Low Income Neighborhood Program;
- Program 10: My Home Energy Report Program;
- Program 11: Small Business Energy Saver Program;
- Program 12: Non-Residential Pay for Performance;⁸ and

⁷ The Smart Saver[®] Residential Energy Efficient Products Program and the Energy Efficient Residences Program are individual measures that are part of a single and larger program referred to and marketed as Residential Smart Saver[®]. For ease of administration and communication with customers the two measures have been divided into separate tariffs even though they are a single program.

⁸ Marketed as Smart Saver[®] Performance

- Program 13: Peak Time Rebate Pilot Program.

16. This section of the Application provides a brief description of each current program, a review of the status of each program, and information on any changes that may have been made to the programs. The following table provides a summary of the load impacts achieved and level of participation obtained during this filing period.

	1	Summary of Load Impacts July 2019 Through June 2020		
		Incremental Participation	kWh	kW
Residential Programs				
Low Income Neighborhood		371	138,758	41
Low Income Services		86	122,143	27
My Home Energy Report		6,485	1,596,695	441
Residential Energy Assessments		1,955	285,139	50
Residential Smart Saver®		355,219	6,641,410	808
Power Manager®	2	12,960	-	12,930
Total Residential		377,076	8,784,146	14,298
Non-Residential Programs				
		Incremental Participation	kWh	kW
Small Business Energy Saver		2,073,253	2,041,020	373
Smart Saver® Custom		627	2,536,152	178
Smart Saver® Prescriptive		60,859	7,892,877	1,292
Power Manager® for Business		37	1,744	44
PowerShare®	3	17	-	14,609
Total Non-Residential		2,134,793	12,471,794	16,497
Total		2,511,869	21,255,939	30,795
1 - Impacts are net of freeriders, without losses and reflected at the customer meter point. 2 - Cumulative number of controlled devices installed. Impacts reflect average capability over the contract period. 3 - Impacts reflect average capability over the contract period.				

17. Results of the current cost-effectiveness test results for each of the programs are provided in Appendix A.

Programs 1 and 2: Residential Smart Saver® Energy Efficient Residences and Products Programs

18. The purpose of the Residential Smart Saver® Energy Efficient Residences portion of the Residential Smart Saver® Program is to offer customers prescriptive incentives for a variety of energy conservation measures designed to target the largest energy consumption equipment and increase energy efficiency in their homes. The

program utilizes a network of participating contractors to encourage the installation of high efficiency equipment and the implementation of energy efficient home improvements with eligible customers. Equipment and services to be incentivized include:

- Installation of high efficiency air conditioning (AC) and heat pump (HP) systems;
- Implementation of attic insulation and air sealing services;
- Implementation of duct sealing and insulation services; and
- Installation of efficient heat pump water heaters.

19. The Program includes a tier approach to the level of incentives available for AC and HP system replacements based on the efficiency rating of the system, along with an optional additional incentive if a qualifying smart thermostat is included and installed with the replacement. A referral marketing component for eligible trade allies has also been added as a delivery channel to enhance customer experience as the customer is making the energy efficient purchase decision. The Program continues to experience a steady demand from customers participating in the incentives. During the period July 2019 through June 2020, the Program approved over 885 individual rebate applications. The smart thermostat option was included on 650 AC and HP replacement systems, for a total of over 1,525 individual measures.

20. Duke Energy Kentucky currently contracts with Blackhawk Engagement Solutions (BES) to administer this program. BES provides services including application processing and fulfillment, data reporting, call center services, and IT support for program tools such as the trade ally portal which allows trade allies to register, check customer eligibility, and submit applications online. These Residential Smart Saver[®] services are

jointly implemented with the Duke Energy Indiana, Duke Energy Ohio, and Duke Energy Carolinas territories to reduce administrative costs and leverage promotion. BES has experience in delivering similar utility energy efficiency programs.

21. The purpose of the Residential Smart Saver[®] Energy Efficient Products portion of the Residential Smart Saver[®] Program is to provide high efficiency lighting through various channels, along with other high efficiency products in new or existing residences, including pool pumps, water measures for single family, and water measures for multifamily.

22. The Free Lighting component of the program was discontinued on 6/30/2020 as a result of potential efficiency standards for general service bulbs that may be imposed as a part of the Energy Independence and Security Act (EISA). Although, there is still uncertainty as to how and when this legislation will be imposed, Duke Energy moved forward with its sunseting strategy. Prior to its discontinuation, the program was designed to increase the energy efficiency of residential customers by offering customers 9-Watt LEDs to install in high-use fixtures within their homes. The LED offer was available through an on-demand ordering platform, enabling customers to request LEDs and have them shipped directly to their homes. Customers had the ability to order in quantities of 3, 6, 8, 12, and 15 packs. Quantities offered by the platform are dependent on past participation in free lighting programs that contribute to their free bulb limit.⁹

23. Through the ordering platform, customers had the flexibility to order and track their shipments through three separate channels; telephone, Duke Energy web site and My Account (formally Online Services).

⁹ As approved in Case No. 2016-00112.

- Telephone
 - Customers had the ability to call a toll-free number to access the IVR (Interactive Voice Response) system which provided prompts to facilitate the ordering process. Both English and Spanish speaking customers may easily validate their account, determining their eligibility and place their order over the phone.
- Duke Energy Web Site
 - Customers could go online to complete the ordering process. Eligibility rules and frequently asked questions were made available for reference.
- My Account (Formally Online Services (OLS))
 - Customers who were enrolled in the My Account authenticated portal could place their order through this channel if they were eligible. New customer registrations and eligible customers were intercepted upon logging in to make them aware of the program.

24. The benefits of providing these three distinct channels include; improved customer experience, advanced inventory management, simplified program coordination, enhanced reporting, increased program participation and reduced program costs. Overall in the 2019-2020 fiscal year, over 308,000 LEDs were ordered resulting in the program meeting its kWh impact goal.

25. The Residential Smart Saver[®] lighting program launched an online Saving Store for specialty lighting on April 26, 2013. The Savings Store is an extension of the on-demand ordering platform enabling eligible customers to purchase specialty bulbs and have

them shipped directly to their homes. The program offers a variety of LEDs including: Reflectors (indoor and outdoor), Globes, Candelabra, 3 ways, Dimmables and certain A-line type bulbs of wattages not included in the Free LED offer. The incentive levels vary by bulb type and the customer pays the difference, including shipping.

26. In 2020, the program was approved to add smart thermostats, water products, LED fixtures, & small appliance- dehumidifiers & air purifiers. Customer purchase limits are as follows:

- Smart thermostats, 2 total;
- Water measures, 3 total;
- LED fixtures (direct wires, portable, & outdoor photocell), limit 8 total;
and
- Small appliance, dehumidifiers & air purifiers, limit 2 each total.

27. Customers can check eligibility and shop for a variety of energy efficient products through the Company Web Site and My Account (formally OLS). The Savings Store is managed by a third-party vendor, Energy Federation Inc. (EFI). EFI is responsible for maintaining the Savings Store and fulfilling all customer purchases. The Saving Store landing page provides information about the store, energy efficient products, account information and order history. Support features include a toll- free number, Live Chat, package tracking and frequently asked questions.

28. Educational information is available to help assist customers with their purchasing decisions. The information discusses bulb types, application types, benefits of energy efficient products, understanding watts versus lumens and recycling/safety tips.

29. The Online Savings Store program carefully tracks towards budget by monitoring our marketing activities to customers. The program sold approximately 6,117 bulbs equating to approximately 535 unique orders.

30. The Multifamily Energy Efficiency Program is an extension of the Residential Smart Saver[®] lighting program and allows Duke Energy Kentucky to use an alternative delivery channel which targets multifamily apartment complexes. The measures are directly installed in permanent fixtures by the program vendor, Franklin Energy. The target audience for the program is property managers who have properties that are served on an individually metered residential rate schedule. To receive water measures, apartments must have electric water heating. Properties that have already been served by the Property Manager CFL program are only eligible for water measures and specialty bulbs.

31. The program helps property managers upgrade lighting with energy efficient LEDs and saves energy by offering water measures such as bath and kitchen faucet aerators, water saving showerheads and pipe wrap. The quantity of lighting measures installed may vary by apartment size but there are no limits on LED installations in permanent fixtures. These measures assist with reducing maintenance costs while improving tenant satisfaction by lowering energy bills.

32. As program implementer, Franklin Energy is responsible for all marketing and outreach for the program. This is primarily done through outbound calls and on-site visits to solicit initial interest in the program from property managers in the Company's service territory. Additionally, program information and supporting documents are available on the Duke Energy web site for property managers to learn more about the

program and request applications to participate in the program.

33. Duke Energy Kentucky received approval to replace CFLs with LEDs for the lighting offering associated with the Multi-Family Program.¹⁰ Beginning in July 2017, the program began installing LED lighting. The program also added two additional bulb types to bring the LED offering to three types with unlimited quantities per unit. The three bulbs (A-Line, Candelabras, Globes) provide more options for tenants, are more aesthetically appealing and create more bill savings. In 2019, the program added new 4000K LED bulb options for A-lines. These bulbs provide a brighter, whiter light which has been requested by several property management companies. Property managers and owners also receive benefits with the longer lasting bulbs, which reduce maintenance costs for the properties and make the units more marketable to tenants.

34. Multifamily activity for the July 1, 2019 through June 30, 2020 fiscal year totaled 6,231 measure installations, achieving 90.8% of the 2019-2020 fiscal year goal of 6,860 measures. The program was suspended in mid-March due to the COVID-19 pandemic and concerns for the safety of customers and program staff. The program remained suspended through the end of the fiscal year.

35. The Save Energy and Water Kit (SEWK) program is designed to increase the energy efficiency of residential customers by offering customers low flow water devices and insulating pipe tape to install within their homes. The SEWK offer is available through a business reply card (BRC) or through direct email solicitation, enabling customers to request a kit and have it shipped directly to their homes. A website has been established to provide customers with additional information about the program and

¹⁰ *In the Matter of the Application of Duke Energy Kentucky, Inc., to Amend its Demand Side Management Programs*, Case No. 2016-00289, KY. P.S.C. Order January 24, 2017.

instructional videos to assist in the installation of items from the do it yourself (DIY) kit.

36. To be eligible, customers must have an electric water heater, have not already participated in SEWK or another Duke Energy Kentucky program offering water saving devices, and live in a single-family, owner-occupied home. Eligible customers, who respond to the BRC or email offer, will receive a kit free of charge. There are two kit sizes to accommodate homes with one or more full bathrooms. The kit size available to the customer is predetermined based on the square footage of the home. Customers in homes less than or equal to 1,500 square feet receive a one (1) bath kit. Customers in homes greater than 1,500 square feet receive a two (2) bath kit. The kits contain varying quantities of shower heads, bath aerators, kitchen aerators and insulated pipe tape.

37. The SEWK program is an invitation only program where customers are prequalified and then directly solicited for participation. This allows the program to carefully track performance against budget and adjust marketing efforts as needed. The program shipped 1,291 kits containing 3,873 kitchen and bath aerators, 1,873 showerheads, and 6,455 feet of insulating pipe wrap for a total of 12,201 measures or 147% of a budget of 8,304 measures.

38. Per the September 13, 2018 Order from the Commission Duke Energy Kentucky will not be implementing a Retail Lighting marketing channel as planned. This upstream, buy-down retail-based lighting program would have worked through lighting manufacturers and retailers to offer discounts to Duke Energy customers selecting incentivized LEDs and energy-efficient fixtures at the shelf for purchase at the register.

Program 3: Residential Energy Assessments Program

39. The primary goal for Home Energy House Call (HEHC) is to empower customers to better manage their energy usage and cost. Duke Energy Kentucky partners with several key vendors to administer the program which an energy specialist completes a 60 to 90-minute walk through assessment of the home and analyzes energy usage to identify energy savings opportunities. The Building Performance Institute (BPI) building certified energy specialist discusses behavioral and equipment modifications that can save energy and money with the customer. The program targets Duke Energy Kentucky residential customers that own a single family has electric water heater and/or electric heat, or central air. The energy specialist analyzes energy usage, checks air infiltration, examines insulation levels, checks appliances and inspects the heating/cooling system(s). The report focuses on the building envelope improvements as well as low-cost and no-cost improvements to save energy. At the time of the home audit, the customer receives a free efficiency kit containing a variety of energy saving measures energy efficient lighting, low flow shower head, low flow faucet aerators, outlet/switch gaskets and weather stripping. The auditors will install these measures, if approved by the customer, so the customer can begin saving immediately, and to help insure proper installation and use. Example recommendations might include the following:

- Turning off vampire load equipment when not in use;
- Turning off lights when not in the room;
- Using energy efficient lighting in light fixtures;

- Using a programmable/smart thermostat to better manage heating and cooling usage;
- Replacing older equipment with more energy efficient equipment; and
- Adding insulation and sealing the home.

40. The program primarily targets through online channels, electronic mail and direct mail to acquire the participation for this program.

41. The program temporarily paused for the remainder of the fiscal year and discontinued marketing outreach effective March 16 due to the pandemic. During this time, existing appointments were cancelled or rescheduled based on customer preference. 260 customers were impacted in the duration of the pandemic related pause. The program proactively rescheduled 35% of those appointments in March when making the cancellation contact. Adapting to the impacts of the pandemic, the program evaluated and coordinated with the current implementor to integrate new safety protocols and effectively relaunched the program in July. As customers were rescheduled, Q3 has kicked off to a strong start and ahead of plan completing 143 assessments since July. The program continues to evaluate customer and employee feedback as it relates to the pandemic to ensure the team is adapting as soon as possible to customer needs as well as maximizing safety awareness. The program completed 334 assessments and installed 1,350 additional LED bulbs, 63 additional bathroom aerators and 208 feet of pipe insulation.

Program 4: Low Income Services Program

Weatherization

42. The Weatherization program portion of Low-Income Services is designed to help income-qualified customers that are below 200% of the federal poverty level to reduce their energy consumption and lower their energy cost. The program works with local weatherization agencies using Federal DOE/LIHEAP funds as well as other community outreach initiatives for participation. The program provides the agencies incentives for installing energy efficient measures in qualified customers' homes. Agencies also educate customers on their energy usage and other opportunities that can help reduce energy consumption and lower energy costs. The program has provided weatherization services to the following number of customers:

Fiscal Year	Customers Served
1999 - 2000	251
2000 - 2001	283
2001 - 2002	203
2002 - 2003	252
2003 - 2004	252
2004 - 2005	130
2005 - 2006	232
2006 - 2007	252
2007 - 2008	265
2008 - 2009	222
2009 - 2010	199
2010 - 2011	234
2011 - 2012	220
2012 - 2013	228
2013 - 2014	143
2014 - 2015	203
2015 - 2016	162
2016 - 2017	166
2017 - 2018	127
2018 - 2019	120
2019 - 2020	99

43. The program is structured so that homes needing the most work, and having the highest energy use per square foot, receive the most funding. The program accomplishes this by placing each home into one of two “Tiers.” For each home, the field auditor uses the National Energy Audit Tool (NEAT) to determine which specific measures are cost effective for that home.

The tier structure is defined as follows:

	Therm / square foot	kWh use/ square foot	Investment Allowed
Tier 1	0 < 1 therm / ft2	0 < 7 kWh / ft2	Up to \$600
Tier 2	1 + therms / ft2	7 + kWh / ft2	All SIR* \geq 1.5 up to \$4K

*SIR = Savings - Investment Ratio

Tier One Services

44. Tier 1 services are provided to customers through weatherization agencies. Customers are considered Tier 1 if they use less than 1 therm per square foot per year or less than 7-kilowatt hour (kWh) per square foot per year, based on a year’s usage of Company supplied fuels. Square footage of the dwelling is based on conditioned space only, whether occupied or unoccupied. It does not include unconditioned or semi-conditioned space (non-heated basements). The total program dollars allowed per home for Tier One services is \$600.00 per home. Tier One services are as follows:

- Furnace / Heating system Tune-up & Cleaning;
- Furnace repair up to \$600;
- Venting check & repair;
- Water Heater Wrap and Pipe Wrap;
- Cleaning of refrigerator coils;
- Cleaning of dryer vents;

- Energy Efficient Light Bulbs;
- Low-flow shower heads and aerators;
- Weather-stripping doors & windows;
- Limited structural corrections that affect health, safety, and energy up to \$150; and,
- Energy Education.

Tier Two Services

45. Duke Energy Kentucky will provide Tier Two services to a customer if they use at least 1 therm or at least 7 kWh per square foot per year based on the annual usage of Duke Energy Kentucky supplied fuels.

Tier Two services are as follows:

- All Tier One services; plus
- Additional cost-effective measures (with $SIR \geq 1.5$) based upon the results of the NEAT audit. Through the NEAT audit, the agency can determine if energy saving measures pay for themselves over the life of the measure as determined by a standard heat loss/economic calculation (NEAT audit) utilizing the cost of gas and electric as provided by Duke Energy Kentucky. Such items can include but are not limited to attic insulation, wall insulation, crawl space insulation, floor insulation and sill box insulation. Safety measures applying to the installed technologies can be included within the scope of work considered in the NEAT audit if the SIR is greater than 1.5 including the safety changes; and

- Replacement of heating system if cannot be repaired.

Regardless of placement in a specific tier, Duke Energy Kentucky provides energy education to all customers in the program.

46. Refrigerator replacement is also a component of this program. To determine replacement, the program weatherization provider performs a two-hour meter test of the existing refrigerator unit. If it is a high-energy consuming refrigerator, as determined by this test, the unit is replaced. Replacing with a new Energy Star qualified refrigerator, with an estimated annual usage of 400 kWh, results in an overall savings to the average customer typically more than 1,000 kWh per year.

Refrigerators tested and replaced:

Year	Refrigerators Tested	Refrigerators Replaced
2002 – 2003	116	47
2003 – 2004	163	73
2004 – 2005	115	39
2005 – 2006	116	52
2006 – 2007	136	72
2007 – 2008	173	85
2008 – 2009	153	66
2009 – 2010	167	92
2010 – 2011	112	76
2011 – 2012	107	64
2012 – 2013	206	69
2013 – 2014	112	37
2014 – 2015	42	24
2015 – 2016	60	22
2016 – 2017	92	54
2017 - 2018	48	18
2018 – 2019	43	12
2019 – 2020	66	15

The existing refrigerator being replaced is removed from the home and recycled in an environmentally appropriate manner to assure that the units are not used as a second refrigerator in the home or do not end up in the secondary appliance market.

Payment Plus

47. The Payment Plus portion of Low-Income Services program is designed to impact participants' behavior (*e.g.*, encourages utility bill payment and reducing arrearages) and to generate energy conservation impacts.

The program is made up of three components:

- Energy Education & Budget Counseling – to help customers understand how to control their energy usage and how to manage their household bills, a combined education/counseling approach is used;
- Weatherization – to increase the energy efficiency in customers' homes, participants are required to have their homes weatherized as part of the normal Residential Conservation and Energy Education (low-income weatherization) program unless weatherized in past program years; and,
- Bill Assistance – to provide an incentive for these customers to participate in the education and weatherization, and to help them get control of their bills. Payment assistance credits are provided to each customer once they complete each aspects of the program. The credits are: \$200 for participating in the EE counseling, \$150 for participating in the budgeting counseling, and \$150 for participating in the Residential Conservation and Energy Education program (weatherization services). If all the requirements are completed, a household could receive up to a total of \$500 towards their arrearage. This allows for approximately 200 homes to participate per year. Some customers do not complete all three steps or may have already had

weatherization services completed prior to the program.

48. This program is offered twice over six winter months per year (October-March).

49. Duke Energy Kentucky utilizes a community action agency to recruit customers to participate in the Payment Plus program. The Payment Plus program is designed to help income-qualified customers that are below 200% of the federal poverty level to reduce their energy consumption and lower their energy cost. Using a list of potential customers provided by Duke Energy Kentucky, the agency sends a letter describing the program to eligible customers. Included in this letter are various dates, times, and locations of scheduled classes. The courses are designed to accommodate customers with varied schedules and widespread locations. The customer contacts the agency to register for a course. Make-up courses are also offered to those customers who may have missed their initial scheduled time.

50. For the filing period, 0 participants attended energy education counseling, 21 participants attended budget counseling and 21 participants' homes have been weatherized. The participation was significantly down in October and the classes were suspended in March due to COVID-19 resulting in lower participation from previous years.

Program 5: Residential Direct Load Control - Power Manager® Program

51. The purpose of the Power Manager® program is to reduce demand by controlling residential air conditioning usage during periods of peak demand, high wholesale price conditions and/or generation emergency conditions during the summer months. It is available to residential customers with central air conditioning. Duke Energy Kentucky attaches a load control device to the outdoor unit of a customer's air conditioner.

This enables Duke Energy Kentucky to cycle the customer's air conditioner off and on under appropriate conditions.

52. Customers selecting the option that moderately cycles their air conditioner, receive a \$25 credit at installation. Customers selecting the longer cycling option, receive a \$35 credit at installation.

53. Customers also receive annual credits during the months of May - September depending on the program they signed-up for. Customers that signed-up for the moderate control option receives an annual event credit of \$2.40 per month for each year they are on the program and customers that signed-up for the longer control option receive an annual event credit of \$3.60 per month each year they are on the program.

54. Duke Energy Kentucky continues to use load control devices manufactured by Eaton's Cooper Power Systems for new installations and replacement of existing load control devices. The load control devices have built-in safeguards to prevent the "short cycling" of the air-conditioning system. The air-conditioning system will always run the minimum amount of time required by the manufacturer. The cycling simply causes the air-conditioning system to run less, which is no different than what it does on milder days. Additionally, the indoor fan will continue to run and circulate air during the cycling event.

55. The Company continued its primary Power Manager[®] marketing during the past fiscal year through outbound telephone calling. Providing customers with an opportunity to ask questions before deciding to participate has proven to be a significant attribute in making this the most effective sales channel.

56. Ongoing evaluation, measurement and verification (EM&V) is conducted through a sample of Power Manager[®] customers with devices that record hourly run-time

of the air conditioner unit and with load research interval meters that measure the household kWh usage. Operability studies are also used to measure the performance of Power Manager[®] load control devices in Kentucky. In addition, Duke Energy Kentucky has reviewed the statistical sampling requirements of PJM Interconnection, LLC (PJM) for demand response resources of this type. The Duke Energy Kentucky studies comply with all PJM requirements.

57. There were five Power Manager[®] events that took place from July 2019 through June 2020 event season. There was a PJM required one-hour test on September 10, 2019.

58. The events on average saved 11 Megawatts per event during peak periods of demand.

Program 6: Smart Saver[®] Prescriptive Program

59. The Smart Saver[®] Non-residential Prescriptive Incentive Program provides incentives to commercial and industrial consumers for installation of high efficiency equipment in applications involving new construction, retrofit, and replacement of failed equipment. The program also uses incentives to encourage maintenance of existing equipment in order to reduce energy usage. Incentives are provided based on Duke Energy Kentucky's cost effectiveness modeling to assure cost effectiveness over the life of the measure.

60. Commercial and industrial consumers can have significant energy consumption but may lack knowledge and understanding of the benefits of high efficiency alternatives. The program provides financial incentives to help reduce the cost differential between standard and high efficiency equipment, offer a quicker return on investment, save

money on customers' utility bills that can be reinvested in their business, and foster a cleaner environment. In addition, the program encourages dealers and distributors (or market providers) to stock and provide these high efficiency alternatives to meet increased demand for the products.

61. The program promotes prescriptive incentives for the following technologies – lighting, HVAC, pumps, variable frequency drives, food services, and process equipment. The eligible measures, incentives and requirements for both equipment and customer eligibility are listed in the applications posted on Duke Energy's website.

62. The program has developed multiple approaches to reaching the very broad and diverse audience of business customers. In 2019-20, this consisted of incentive payment applications, with paper and online options, and instant incentives offered through the Online Energy Savings Store. 2019-20 results include:

- Program participation tracked well in the first three quarters of the 2019-20 fiscal year. However, participation volume declined in all program channels due to the negative effects of COVID-19 on non-residential customers in the last quarter of the fiscal year. But customers continue to show interest in energy efficiency to save money for their businesses and are leveraging incentives from the Smart Saver® Prescriptive Program when possible;
- Outreach continues to support Trade Allies virtually working within the program;
- Program marketing efforts were scaled back in the second half of the fiscal year due to COVID-19 considerations; and

- A dedicated team of representatives answering customer questions via phone and email continue to provide high levels of customer service.

63. The Non-residential Prescriptive program finished the 2019-2020 fiscal year at 72% of the budget spend limit and 88% of the kWh impacts goal. Application volume was down slightly this fiscal year, with 172 applications in total paid for Duke Energy Kentucky prescriptive incentives. 85% of applications were submitted via the online application portal this fiscal year, which is an increase from the 2018-19 fiscal year. The average payment per paid application was \$4,866. Sixty-six percent of the applications were paid in the first half of the 2019-20 fiscal year.

64. Duke Energy continues to offer the Business Savings Store on the Duke Energy website, with orders fulfilled by the third-party Energy Federation Inc. (EFI). The site provides customers the opportunity to take advantage of a limited number of incentive measures by purchasing qualified products from an on-line store and receiving an instant incentive that reduces the purchase price of the product. The incentives offered in the store are consistent with current program incentive levels. The online application store has been well received by the DIY niche market and allows customer a path for instant incentives without the burden of paperwork.

65. Over the years, the program has worked closely with Trade Allies (TA) to promote the program to our business customers at the critical point in time when customers are considering standard or high efficiency equipment options. The Smart Saver[®] outreach team provides training and technical support to the TA network. The outreach team also recruits new TAs to participate in the program. TA company names and contact information appears on the TA search tool located on the Smart Saver[®] website. This tool was designed

to help customers who do not already work with a TA, to find someone in their location who can serve their needs. The Company continues to look for ways to engage the TAs in promotion of the program as well as more effective targeting of TAs based on market opportunities.

66. Duke Energy Kentucky continues to evaluate changes to existing measures, to take into consideration changes to market conditions and energy efficiency standards, and the addition of measures to offer customers additional options for energy savings. Any future measure changes will be presented to the Commission in accordance with the applicable review and approval processes and procedures.

67. To ensure that program expenditures will not exceed the budget cap, a reservation system was implemented in 2018 and continues to be very beneficial for program planning purposes. Customers and trade allies seeking a prescriptive reservation can now submit a pre-application in advance of starting an energy efficiency project. The pre-application determines equipment qualification and reserves program funds, if available. Applications received that were not previously reserved are still reviewed and paid if unreserved funds are available.

68. The Company continues to work with outside consultants and internal resources to develop strategies to understand equipment supply/value chains and increase awareness of these measures going forward.

69. Non-residential customers are informed of programs via targeted marketing material and communications. Information about incentives is also distributed to TAs, who in turn sell equipment and services to all sizes of nonresidential customers. Large business or assigned accounts are targeted primarily through assigned Duke Energy Kentucky

account managers. Accounts that do not have an assigned account manager typically receive information about the program through direct mail, electronic mail and other direct marketing efforts including outbound call campaigns. Program marketing efforts were scaled back in the second half of the fiscal year due to COVID-19 considerations.

70. The internal marketing channel is comprised of assigned Large Business Account Managers, Segment Managers, and Local Government and Community Relations, and Business Energy Advisors, who all identify potential opportunities as well as distribute program collateral and informational material to customers and TAs. In addition, the Economic and Business Development groups also provide a channel to customers who are new to the service territory.

71. The Company sought approval¹¹ to increase the program budget for the underspent non-residential budget for this true-up timeframe by \$1,396,010. In anticipation of increased customer demand, the Company requested to add the unspent \$1,396,010 to the current Smart Saver[®] Prescriptive budget of \$548,785¹² for July 2020 – June 2021 as approved in Case No. 2019-00406. The case is still under review.

Program 7: Smart Saver[®] Custom Program

72. The purpose of this program is to encourage the installation of high efficiency equipment in new and existing non-residential establishments. The program provides incentive payments to offset a portion of the higher cost of energy efficient equipment.

73. Duke Energy Kentucky contracts with a third party to perform technical review of applications as part of implementation of this program. This program is jointly

¹¹ Case No. 2020-0026 filed on August 17, 2020.

¹² Program costs only. Does not include lost revenues or shared savings.

implemented with the Duke Energy Indiana, Duke Energy Ohio, and Duke Energy Carolinas territories to reduce administrative costs and leverage promotion.

74. During the current reporting period of July 2019 through June 2020, the Kentucky Smart Saver[®] Custom Incentive program provided incentives totaling \$154,861 to approximately 5 customers. The level of participation in terms of incentives and impacts decreased sharply from the previous year.

75. Although participation was lower than the prior year, the Custom Incentive program continues to utilize a reservation system to allocate available incentive dollars for each fiscal year. Currently, the majority of the funds for 2020-2021 incentive dollars are reserved due to higher levels of participation to start the year.

76. During the current reporting period of July 2019 through June 2020, the Kentucky Smart Saver[®] Custom Incentive program was found to have a Total Resource Cost (TRC) cost-effectiveness score of 1.20.

77. Upon receiving a Custom Incentive application, Duke Energy Kentucky reviews the application and performs a technical evaluation as necessary to validate energy savings. Measures submitted by the customer are then modeled to ensure cost effectiveness to the program overall, given the energy savings, and improves a customer's payback to move them to invest in energy efficiency. Third party evaluation follow-up and review includes: application review, site visits and/or onsite metering and verification of baseline energy consumption, customer interviews, and/or use of loggers/sub-meters.

Program 8: Peak Load Manager (Rider PLM) - PowerShare[®] Program

78. PowerShare[®] is the brand name given to Duke Energy Kentucky's Peak Load Management Program (Rider PLM, Peak Load Management Program KY.P.S.C.

Electric No. 2, Sheet No. 77). Rider PLM was approved pursuant as part of the settlement agreement in Case No. 2006-00172. In the Commission's Order in Case No. 2006-00426, approval was given to include the PowerShare[®] program within the DSM programs. The PLM program is voluntary and offers customers the opportunity to reduce their electric costs by managing their electric usage during the Company's peak load periods. Customers and the Company will enter into a service agreement under Rider PLM, specifying the terms and conditions under which the customer agrees to reduce usage. There are two product options offered for PowerShare[®] - CallOption[®] and QuoteOption[®]:

- CallOption[®]:
 - A customer served under a CallOption[®] product agrees, upon notification by the Company, to reduce its demand;
 - Each time the Company exercises its option under the agreement, the Company will provide the customer a credit for the energy reduced;
 - For the 2019/2020 program year, there was one type of event;
 - Emergency events are implemented due to reliability concerns. Participants are required to curtail during emergency events.
 - In addition to the energy credit, customers on the CallOption[®] will receive an option premium credit;
 - For the 2019/20 PowerShare[®] programs associated with the fiscal year of this filing, there were three enrollment choices for customers relative to CallOption. The first choice, "Limited Summer", required participants to be able to curtail during the months of June

through September 2019, with a maximum event length of 6 hours and maximum number of curtailments of 10 during the program year. The second choice, “Summer Only”, required participants to be able to curtail during the months of June through September 2019, with a maximum event length of 10 hours and no maximum number of curtailment events. The third choice, “Annual”, requires participants to be able to curtail during the full contract term of June 2019 through May 2020, with a maximum event length of 12 hours during the months of June through October 2019 and May 2020, and with a maximum event length of 15 hours during the months of November 2019 through April 2020 and no maximum number of curtailment events.

- Only customers able to provide a minimum of 100 kW load response qualify for CallOption[®].
- QuoteOption[®]:
 - Under the QuoteOption[®] products, the customer and the Company agree that when the average wholesale market price for energy during the notification period is greater than a pre-determined strike price, the Company may notify the customer of a QuoteOption[®] event and provide a price quote to the customer for each event hour;
 - The customer will decide whether to reduce demand during the event period. If they decide to do so, the customer will notify the Company and provide an estimate of the customer’s projected load

reduction;

- Each time the Company exercises the option, the Company will provide the participating customer who reduces load an energy credit;
- There is no option premium for the QuoteOption[®] product since customer load reductions are voluntary; and
- Only customers able to provide a minimum of 100 kW load response qualify for QuoteOption[®].

PowerShare[®] 2019-2020 Summary

79. Duke Energy Kentucky’s customer participation goal for 2019 was to retain all customers that currently participate and to promote customer migration to the CallOption[®] program. The table below displays monthly account participation levels for July 2019 through June 2020, as well as MWs enrolled in the program.

Kentucky PowerShare[®] Participation Update				
Month	CallOption [®]		QuoteOption [®]	
	Enrolled Customers*	Summer Capability**	Enrolled Customers*	Summer Capability**
Jul-19	17	19.09	0	0
Aug-19	17	19.09	0	0
Sep-19	17	19.09	0	0
Oct-19	17	19.09	0	0
Nov-19	17	19.09	0	0
Dec-19	17	19.09	0	0
Jan-20	17	19.09	0	0
Feb-20	17	19.09	0	0
Mar-20	17	19.09	0	0
Apr-20	17	19.09	0	0
May-20	17	19.09	0	0
Jun-20	17	19.28***	0	0

*Enrolled Customers represents the number of parent accounts participating.

**Summer Capability is consistent with the associated program year. Numbers reported are adjusted for losses.
 ***Estimated Summer capability

(Note that Duke Energy Kentucky has signed 17 contracts for the 2020/2021 PowerShare® CallOption®. Measured and verified MW values for the summer of 2019 will be available and presented in the update filing.)

80. During the July 2019 through June 2020 period, there were zero PowerShare® events for economic or emergency reasons and one QuoteOption event. There were also curtailment tests performed to meet PJM requirements. The table below summarizes event participation.

Duke Energy Kentucky - PowerShare CallOption and QuoteOption Economic, Emergency, and Test Events June 2019 - May 2020 Activity - Reduction Values in MWs							
Date	Event Hours (EDT)	Event Type	Event Participants	Participants Reducing Load Partially or Fully	Average Hourly Load Reduction Expected - At the Meter	Average Hourly Load Reduction - At the Meter	Average Hourly Load Reduction - At the Plant
9/10/2019	4 pm to 5 pm	PJM Test	16	16	15.340	18.355	19.772
9/26/2019	4 pm to 5 pm	PJM Re-Test	1	1	0.750	0.917	0.988
10/2/2019	3 pm to 7 pm	QuoteOption	1	1	0.500	0.281	0.303

(Note that for the summer period of June 2019 through September 2019, zero PowerShare® events have been called. The annual, required, PJM test event was conducted on September 10, 2019 at 4 pm. Information on these events will be available and presented in next year's update filing.)

Program 9: Low Income Neighborhood Program

81. The Duke Energy Kentucky (DEK) Neighborhood Energy Saver (NES) Program takes a non-traditional approach to serve income-qualified areas of the Duke Energy

Kentucky service territory through the direct installation of energy efficiency measures in customer homes. This customer-facing program allows for the direct engagement in a familiar setting to reduce energy consumption with the installation of energy efficient measures. In addition, Duke Energy Kentucky uses this opportunity to educate and work with customers to efficiently manage and lower their energy bills. Examples of direct installed measures include energy efficient light bulbs, water heater and pipe wrap, low flow shower heads/faucet aerators, window and door air sealing and a year supply of HVAC filter replacements.

82. As low-income neighborhoods are identified for the program, if at least 50% of the households are at or below 200% of the federal poverty guidelines, a community with an average size of about 900 customers is selected. Duke Energy Kentucky analyzes census and internal data to select and prioritize neighborhoods that have the greatest need and propensity to participate. While the goal is to serve neighborhoods where most residents are low income, the program is available to all Duke Energy Kentucky customers within the selected boundary. This program is available to both homeowners and renters occupying single family and multi-family dwellings in the target neighborhoods that have electric service provided by Duke Energy Kentucky.

83. In the past, community-based kick-off events have been held in targeted neighborhoods. Kick-off events have featured local community leaders, community-based organization representatives, local weatherization program managers, the installation vendor and the technical crew. The Duke Energy program manager and vendor provide attendees detailed information about NES along with a tentative neighborhood schedule.

84. The purpose of the kick-off event has been to rally the neighborhood around energy efficiency and educate customers on actions they can take to help lower their energy

bills and save energy. Additionally, attendees have had the opportunity to meet technical staff and view measures. In days, or a few weeks, shortly following the kick-off event, customers are contacted by the technical crew to receive the free in-home energy assessments (walk-through) and the appropriate energy saving measures are installed if the customer elects to have the work completed. Direct mail and call center support supplement community-based outreach efforts.

85. In recognition of the COVID-19 environment that now exists, proper safety protocols shall be adhered to, to ensure everyone's safety always. Future kick-off events are anticipated to look different which shall at minimum include an outdoor venue (weather permitting), masks, attendees socially/physically distanced at 6 feet apart, etc. Future community customer engagement opportunities shall be regularly reviewed on a case-by-case basis.

86. For fiscal year 2019-2020, with a participation goal of 600 homes, we have completed 372 homes in Duke Energy Kentucky territory. The existence of a new COVID-19 environment led to work stoppage due to a local government mandate to engage in customer-facing activities when most safe to do so. With this challenge, Duke Energy Kentucky continues to collaborate with organizations such as the Northern Kentucky Community Action Commission, People Working Cooperatively and other local agencies, businesses and government-backed programs to rally around efforts of the NES program. Duke Energy's NES program provides residents information about the service and helps leverage additional services available in their communities. The program has been well-received, and neighbors regularly share the benefits of their experience with others.

Program 10: My Home Energy Report Program

87. The My Home Energy Report (MyHER) compares household electric usage to similar, neighboring homes, and provides recommendations and actionable tips to lower energy consumption. The report also informs a customer of the Company's other energy efficiency programs when applicable. These normative comparisons are intended to induce customers to adopt more efficient energy consumption behavior. MyHER is delivered in printed and email form. The reports are distributed up to 12 times per year (2 printed reports and 12 electronic reports if the customer provides their email address). Currently, to qualify to receive the report, customers must be living in a single metered, single family home with 13 months usage history.

88. The MyHER program, originally an opt out program, has been changed to an opt in program beginning in 2019-2020, the next fiscal term following the Commission's September 13, 2018 Order. The Company provides information on every report as to how a customer may update their information or request to stop receiving the reports. In 2020, the program has only had 2 opted in customers decide to opt out of the program after receiving reports. As of June 30, 2020, there were 6,485 Kentucky MyHER customers receiving reports.

89. The Company has designed an interactive portal and enabled email technology to further engage with customers with the intention of increasing the level of engagement with customers and hence their efficiency. This portal is available online and through mobile channels. The portal was rolled out in March 2015 with a small email campaign for MyHER customers for whom we have an email address. As of June 30, 2020, there were 4,464 Kentucky MyHER customers enrolled in the portal.

90. The Company had developed a MyHER program for multifamily dwellings that was available in January 2017. However, the multifamily program was not implemented in KY due to restrictions on program spending.

91. The Company had developed a dual fuel report for Duke Energy Kentucky customers who receive electricity and gas from the Company. Due to restrictions on program spending, KY customers longer receive the dual fuel report and have reverted to receiving the electric usage only report. The Company rolled out a new and improved design of the report including a view of disaggregated usage in third quarter 2017.

92. The Company launched the MyHER program in the Duke Energy mobile app starting in 2019. Customers who have opted into the program are now able to see their My Home Energy Report monthly comparisons and usage disaggregation on the Duke Energy mobile app.

Program 11: Small Business Energy Saver Program

93. The purpose of Duke Energy's Small Business Energy Saver program (SBES Program) is to reduce energy usage through the direct installation of energy efficiency measures within qualifying small non-residential Duke Energy Kentucky customer facilities. All aspects of the SBES Program are administered by a single Company-authorized vendor. The SBES Program measures address major end-uses in lighting, refrigeration, and HVAC applications.

94. The SBES Program participants receive a free, no-obligation energy assessment of their facility followed by a recommendation of energy efficiency measures to be installed in their facility along with the projected energy savings, costs of all materials and installation, and up-front incentive amount from Duke Energy Kentucky. Upon

receiving the results of the energy assessment, if the customer decides to move forward with the proposed energy efficiency project, the customer makes the final determination of which measures will be installed. The energy efficiency measure installation is then scheduled at a convenient time for the customer and the measures are installed by electrical subcontractors of the Duke Energy Kentucky-authorized vendor.

95. The SBES Program is designed as a pay-for-performance offering, meaning that the Duke Energy Kentucky-authorized vendor administering the SBES Program is only compensated for kWh energy savings produced through the installation of energy efficiency measures.

96. The SBES Program is available to existing Duke Energy Kentucky non-residential customer accounts with an actual average annual electric demand of 180 kW or less. An individual business entity's participation is limited to no more than five premises on the Company's system during a calendar year.

97. The SBES Program launched in late February 2015, after receiving the Order of Approval from the Commission on January 28, 2015.¹³ SmartWatt Energy Inc. (SmartWatt), a company that specializes in administering utility energy efficiency programs nationwide like Small Business Energy Saver, was awarded the contract to administer the Program in the Duke Energy Ohio & Kentucky territories after a lengthy competitive bid and vendor evaluation process. In June of 2019, the contract for the program was transitioned from SmartWatt to Lime Energy. Lime Energy is a leader in the direct install pay for performance market and implements the SBES Program in Duke Energy's other regulated markets.

¹³ Case No. 2014-00280

98. For the July 2018 to June 2019 period, 36 SBES projects were completed in Kentucky, which was a volume lower than what was projected, but those 36 projects resulted in savings of over 1,773,000 kWh at the meter.

99. While LED lighting measures are expected to remain the primary driver of kWh savings in the Program for the foreseeable future, the Company has been actively working with the new vendor Lime Energy to implement initiatives focused on increasing refrigeration and HVAC measure adoption.

100. Duke Energy Kentucky will continue to evaluate the opportunity to add incentivized measures suitable for the small business market to the approved Program which fit the direct install program model. The Company would ultimately like to ensure that small business customers are given the opportunity to maximize their energy savings by being offered a comprehensive energy efficiency project through the SBES Program wherever possible.

101. In March, the program was shut down due to the spread of the COVID-19 virus. The program uses on site marketing to reach customers and then follows up with an on-site free energy assessment for customers that agree to have one. These activities are considered high risk for getting and spreading the COVID-19 virus. The Program remained suspended through the end of the fiscal year. The program will restart per the guidelines of the State of Kentucky as appropriate.

Program 12. Smart \$aver[®] Performance

102. Duke Energy Kentucky received approval of this non-residential program: Smart \$aver[®] Non-Residential Performance Incentive Program in Case No 2016-00289. The purpose of this program is to encourage the installation of high efficiency equipment

in new and existing non-residential establishments. The program will provide incentive payments to offset a portion of the higher cost of energy efficient installations that are not offered under either the Smart Saver[®] Prescriptive or Custom programs. The types of measures covered by the program include retro-commissioning and projects with some combination of unknown building conditions or system constraints, coupled with uncertain operating, occupancy, or production schedules. The specific type of measures is included in the contract with the Customer.

103. The Company did not market the program due to the high success of our Prescriptive and Custom programs. The result was a lack of participation during the 2019-2020 filing period. Similarly, for 2020-2021, unless participation in other Non-Residential programs declines, the Company does not plan to offer the Performance Incentive program.

Program 13. Peak Time Rebate Pilot Program

104. The PTR pilot program offers participating customers the opportunity to lower their electric bill by reducing their electric usage during Company-designated peak load periods known as Critical Peak Events (“CPE”). The Company has branded the program to customers under the name of Peak Time Credits and describes CPEs to participants as Peak Day events. Unfortunately, the development of this pilot program did not start in January 2020 as expected. After Commission approval, development started in April 2020 but shared resources with other marketing and communications staff working on COVID-19 communications. As a result, the program was developed later than anticipated. At the end of June, 2020, the program was under development. but launched on July 27, 2020.

105. On July 27, 2020, in total, 55,265 customers received email offering participation in the pilot. The Company enrolled 899 participants before closing the enrollment process. This enrollment level exceeded the recommended enrollment from the pilot's EM&V vendor, Nexant, but stayed under the 100 customer enrollment buffer approved by the Commission. Nexant's power analysis suggested a required enrollment of 820 customers. This level of enrollment was met and exceeded on August 7, 2020. Per stipulation, August 7, 2020 marks the official start date of the 2-year pilot.

106. Two Peak Day events have been implemented since the launch of the program. The events occurred on August 25 and August 26, 2020. Currently, these are the only events the Company anticipates until winter. Nexant is not scheduled to review the impacts from these events until next year.

107. Finally, the Company would like to update the Commission on efforts to lower the PJM load forecast with the pilot using PJM's Peak Shaving Adjustment mechanism (PSA). The Company has submitted information to PJM requesting a PSA. At this time, the Company has not received a PJM decision on the PSA request.

Evaluation, Measurement, and Verification

108. The EM&V schedule for each program for program years 2020 – 2022 is available in Appendix E.

Cost Effectiveness

109. In an effort to acknowledge the Commission's concerns about offering cost effective measures, the Company has conducted a review of all the measures within the DSM portfolio. Appendix F provides the scores of all the measures. Of the 108 measures included in the portfolio, only 16 are not passing the TRC at a score of 1.0 or higher. Most

of the non-passing measures are included in the Residential Smart Saver[®], as well as Low Income and one non-passing measure within the Small Business Energy Saver program. Although the measures are not passing on their own, they are strategic from an efficiency standpoint and are cost effective at the program level.

110. Within the Residential Smart Saver[®] the long-standing HVAC measures are currently not showing as cost-effective from a TRC perspective due to various reasons including increased federal efficiency standards and decreasing avoided costs. The Company is continuing to evaluate the program for efficiencies and innovative program delivery channels to maintain that value to our customers for making these long-term investments. The Company is in the process of implementing technology enhancements with our program vendor to gain operating efficiencies and cost savings for rebate application validation and fulfillment. As a result, the Company has recently been able to negotiate cost reductions in contract services for program implementation as of October 2020. The incremental participant cost is another area that directly impacts TRC. Participant incremental cost data in the current filing reflects market information that is several years old. The Company believes that this cost data is conservative and is therefore undertaking an evaluation to update the incremental participant cost for these measures and expect to complete this exercise by year-end. We believe this evaluation, coupled with program cost savings for program implementation will present a more favorable TRC score for these HVAC related program measures. The Company requests to continue these measures for another year to determine if the mentioned changes will increase cost effectiveness.

Calculation of the 2019 DSM Cost Recovery Mechanism, Rider DSMR

111. The reconciliation of the cost recovery mechanism (Rider DSMR) involves a comparison of projected versus actual program expenses, lost revenues, and shared savings, as well as inclusion of the prior year's reconciliation. The actual cost of residential and non-residential program expenditures, lost revenues, and shared savings for this reporting period was \$7.97 million. The projected level of program expenditures was \$10.43 million. The primary drive of the variance in projections versus the actual costs was due to program suspension from COVID-19.

112. Lost revenues are computed using the applicable marginal block rate net of fuel costs and other variable costs times the estimated kWh savings for a three-year period from installation of the DSM measure. The estimate of kWh savings is based upon the results from any recently completed impact evaluation studies and actual customer participation. Lost revenues accumulate over a three-year period from the installation of each measure, unless a general rate case has occurred.

113. With respect to shared savings, Duke Energy Kentucky utilized the shared incentive of 10% of the total savings net of the costs of measures, incentives to customers, marketing, impact evaluation, and administration. The savings are estimated by multiplying the program spending times the Utility Cost Test (UCT) value and then subtracting the program costs. Shared savings are only valued for installation of new DSM measures.

Home Energy Assistance Program

114. In years past the Home Energy Assistance program was included as part of the true-up portion of the filing. By Order dated October 28, 2019, in Case No 2019-00366, the Commission initiated an administrative review of all HEA programs offered by

jurisdictional utilities. After several months of investigation, the Commission issued its decision on May 4, 2020 establishing a more unified approach to administering HEA programs and reporting. The Company is following the Commission's new directives and is no longer including the HEA program as part of its annual DSM true-up and reporting. As a result of the Commission's HEA directives, the monthly charge to customers was increased from \$0.10 per meter-per month, to \$0.30 per-meter-per month. Accordingly, the Company, with the input of Community Action of Kentucky and the Norther Kentucky Community Action Agency has amended the Company's HEA program to provide a more-effective use of the program funding and is now offering both a monthly subsidy and a crisis-relief component to qualifying customer.

2019 DSM Riders

115. Duke Energy Kentucky submits the proposed adjustments to its Rider DSMR for both electric and gas programs (Appendices C and D respectively). The two Rider DSMRs are intended to recover projected July 1, 2021 – June 30, 2022¹⁴ (2021) program costs, lost revenues and shared savings and to reconcile the actual DSM revenue requirement, as previously defined, to the revenue recovered under the riders for the period July 1, 2019 through June 30, 2020. The spreadsheet model contained in Appendix B has been used by the Company for a number of years in its Rider DSMR update filings.

116. Appendix B, page 1 of 7, tabulates the reconciliation of the DSM revenue requirement associated with the prior reconciliation, Duke Energy Kentucky's program costs, lost revenues, and shared savings between July 1, 2019 and June 30, 2020, and the revenues collected through the DSMR Riders over the same period. The true-up adjustment

¹⁴ The projected July 1, 2020 – June 30, 2021 program expenditures used in this filing will be trued-up as part of the 2021 annual status report and will be described as 2021 throughout the document.

is based upon the difference between the actual DSM revenue requirement and the revenues collected during the period July 1, 2019 through June 30, 2020.

117. The DSM revenue requirement for the period July 1, 2019 through June 30, 2020 consists of: (1) program expenditures, lost revenues, and shared savings; and (2) amounts approved for recovery in the previous reconciliation filing.

118. Appendix B, page 6 of 7, contains the calculation of the 2019 – 2020 residential cost allocation factors for gas and electric, as approved in Case No. 2014-00388. These factors are the Electric Percent of Total Percent of Sales, and the Gas Percent of Total Percent of Sales, and are calculated by program. The calculation includes the residential kWh and ccf sales for July 2019 – June 2020, along with the kWh and ccf savings achieved for July 2019 – June 2020. The factors are used in Appendix B, page 1 of 7, columns 5 and 6.

119. Appendix B, page 7 of 7, contains the calculation of the 2021 – 2022 residential cost allocation factors for gas and electric, as approved in Case No. 2014-00388. These factors are the Electric Percent of Total Percent of Sales, and the Gas Percent of Total Percent of Sales, and are calculated by program. The calculation includes the projected Rate RS kWh and ccf sales found in Appendix B, page 4 of 7, along with the projected kWh and ccf savings for July 2021 – June 2022. The factors are used in Appendix B, page 2 of 7, Residential Program Summary, columns G and H (Allocations of Costs).

120. Appendix B, page 5 of 7 contains the calculation of the 2020 Residential DSMR Riders. The calculation includes the reconciliation adjustments calculated in Appendix B, page 1 of 7 and the Residential DSM revenue requirement for 2022. The Projected Residential DSM revenue requirement for 2021 includes the costs associated with the Residential DSM programs: My Home Energy Report, Low Income Neighborhood, Low

Income Services, Residential Energy Assessments, Residential Smart Saver[®], Power Manager[®], and any applicable net lost revenues and shared savings (Appendix B, pages 2 and 3 of 7). Total revenue requirements are incorporated along with the projected electric and gas volumes (Appendix B, page 4 of 7) in the calculation of the Residential DSM Rider.

121. Appendix B, page 5 of 7 also contains the calculation of the 2020 Commercial and Industrial DSM Rider. The calculation includes the reconciliation adjustments calculated in Appendix B, page 1 of 7 and the DSM revenue requirement for 2022. The Commercial & Industrial DSM revenue requirement for 2021 includes the costs associated with the Commercial and Industrial DSM programs: Smart Saver[®] Custom, Smart Saver[®] Prescriptive, Small Business Energy Saver, Smart Saver[®] Non-Residential Performance Incentive Program, and PowerShare[®] the associated net lost revenues and shared savings (Appendix B, pages 2 and 3 of 7). The 2020 Commercial and Industrial DSMR Rider is calculated in two parts. One part (Part A) is based upon the revenue requirements for Smart Saver[®] Custom, Smart Saver[®] Prescriptive, Small Business Energy Saver, Power Manager[®] for Business and PowerShare[®]. This part is only recovered from all non-residential rate classes except rate TT. The other part (Part B) is based upon the revenue requirements for the PowerShare[®] program and is recovered from all non-residential rate classes including rate TT.

122. Total revenue requirements are incorporated along with the projected electric volumes (Appendix B, page 4 of 7) in the calculation of the Commercial and Industrial DSM Rider.

123. The Company's proposed DSMR Riders, shown as Appendices C and D, replace the current DSMR Riders. The latest version of DSMR was issued on May 15, 2020

per an Order by the Commission dated May 4, 2020 in Case No. 2019-00366. It was also modified on April 30, 2020 in Case No. 2019-00406. The electric DSMR rider, proposed to be effective with the first billing cycle in the month following Commission approval, is applicable to service provided under Duke Energy Kentucky's electric service tariffs as follows:

- Residential Electric Service provided under:
 - Rate RS, Residential Service, Sheet No. 30.
- Non-Residential Electric Service provided under:
 - Rate DS, Service at Secondary Distribution Voltage, Sheet No. 40;
 - Rate DT, Time-of-Day Rate for Service at Distribution Voltage, Sheet No. 41;
 - Rate EH, Optional Rate for Electric Space Heating, Sheet No. 42;
 - Rate SP, Seasonal Sports, Sheet No. 43;
 - Rate GS-FL, Optional Unmetered General Service Rate for Small Fixed Loads, Sheet No. 44;
 - Rate DP, Service at Primary Distribution Voltage, Sheet No. 45;
 - Rate RTP-M, Real Time Pricing – Market-Based Pricing, Sheet No. 59;
 - Rate RTP, Experimental Real Time Pricing Program, Sheet

No. 99; and,

- Rate TT, Service at Transmission Voltage, Sheet No. 51.

The gas DSM rider is applicable to service provided under the following residential gas service tariff:

- Rate RS, Residential Service, Sheet No. 30.

Calculation of the Residential Charge

124. The proposed residential charge per kWh for 2020 was calculated by dividing the sum of: (1) the reconciliation amount calculated in Appendix B, page 1 of 7; and (2) the DSM revenue requirement associated with the DSM programs projected for 2022, by the projected sales for calendar year 2021. DSM program costs for 2022 include the total implementation costs plus program rebates, lost revenues, and shared savings. The calculations in support of the residential recovery mechanism are provided in Appendix B, page 5 of 7. Based on the updated rider amounts, the estimated annual cost for the average residential customer of about \$24.97 for electric, and a charge of about \$30.70 for gas.¹⁵ The estimated average annual cost for electric per customer increased due to a slight over collection for electric of approximately \$122,000 plus the next fiscal year's program costs and an under collection for gas of approximately \$2.5 million.

Calculation of the Non-Residential Charge

125. The proposed non-residential charge per kWh for 2020 was calculated in two parts. The first part (Part A), applicable to all non-residential rate classes except Rate TT, is calculated by dividing the sum of: (1) the reconciliation amount calculated in Appendix B,

¹⁵ The cost for average customer was calculated by using the 2021 forecasted sales of Appendix B page 4 divided by the number of residential electric or gas customers multiplied by the cost per kWh or cost per CCF respectively of Appendix B page 5. The costs are estimates and will vary by customer based on usage.

page 1 of 7; and (2) the DSM revenue requirement associated with the Smart Saver[®] Custom, Smart Saver[®] Prescriptive, and Small Business Energy Saver, programs projected for 2021, by the respective projected sales for calendar year 2021. The second part (Part B), applicable to all non-residential rate classes including Rate TT, is calculated by dividing the DSM revenue requirement associated with the PowerShare[®] program projected for 2022, by total non-residential projected sales for calendar year 2021. DSM program cost for 2022 includes the total implementation costs plus program rebates, lost revenues and shared savings.

126. The rider applicable to all non-residential rate classes except Rate TT is the sum of Part A and Part B. The rider applicable to all non-residential rate classes including Rate TT is only Part B.

Allocation of the DSM Revenue Requirement

127. As required by KRS 278.285(3), the DSM Cost Recovery Mechanism attributes the costs to be recovered to the respective class that benefits from the programs. The costs for the Power Manager program are fully allocated to the residential electric class, since this is the class benefiting from the implementation of the program. As required, qualifying industrial customers are permitted to “opt-out” of participation in, and payment for, Smart Saver[®] Custom and Smart Saver[®] Prescriptive and Small Business Energy Saver. All of Duke Energy Kentucky’s Rate TT customers met the “opt-out” requirements prior to the implementation of the DSM riders in May 1996, and are not subject to this portion of the DSM Cost Recovery Mechanism (*i.e.* Rider DSMR). However, all non-residential customers, including Rate TT customers, will be charged for the PowerShare[®] program.

WHEREFORE, Duke Energy Kentucky respectfully requests that the Commission review and approve this Application and Duke Energy Kentucky gives notice that the new rates will take effect 30 days from the date of this Application.

Respectfully submitted,

/s/Rocco O. D'Ascenzo

Rocco O. D'Ascenzo (92796)

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CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing filing was served on the following via email, this 16th day of November 2020:

Larry Cook
The Office of the Attorney General
Utility Intervention and Rate Division
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/s/Rocco O. D'Ascenzo
Rocco O. D'Ascenzo

Appendix A Cost Effectiveness Test Results

Program Name	UCT	TRC	RIM	PCT
Residential Programs				
Low Income Neighborhood	0.51	0.55	0.35	2.19
Low Income Services	0.20	0.28	0.17	2.66
My Home Energy Report	1.09	1.09	0.52	
Residential Energy Assessments	1.41	1.42	0.60	23.57
Residential Smart \$aver®	1.98	1.69	0.62	3.91
Power Manager®	3.29	5.22	3.29	
Total	1.81	1.81	0.74	3.99
Non-Residential Programs				
Small Business Energy Saver	2.52	1.57	0.78	2.65
Smart \$aver® Custom	4.62	1.20	0.72	2.17
Smart \$aver® Prescriptive	5.15	3.42	0.91	5.20
Power Manager® for Business	5.25	36.85	3.63	
PowerShare®	3.15	9.79	3.15	
Total	4.09	2.66	0.99	3.78
Overall Portfolio Total	2.79	2.27	0.88	3.87

Kentucky DSM Rider

Comparison of Revenue Requirement to Rider Recovery

Residential Programs	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	Projected Program Costs 7/2019 to 6/2020 (A)	Projected Lost Revenues 7/2019 to 6/2020 (A)	Projected Shared Savings 7/2019 to 6/2020 (A)	Program Expenditures 7/2019 to 6/2020 (B)	Program Expenditures Gas	Program Expenditures (C) Electric	Lost Revenues 7/2019 to 6/2020 (B)	Shared Savings 7/2019 to 6/2020 (B)	2019 Reconciliation		Rider Collection (F) Gas	Rider Collection (F) Electric	(Over)/Under Gas (G)	Collection Electric (H)
Low Income Neighborhood	\$ 371,468	\$ 7,935	\$ (15,844)	\$ 158,232	\$ -	\$ 158,232	\$ 3,394	\$ (7,678)						
Low Income Services	\$ 810,628	\$ 11,128	\$ (30,069)	\$ 477,566	\$ 275,989	\$ 201,577	\$ 4,095	\$ (28,151)						
My Home Energy Report	\$ 165,696	\$ 161,739	\$ 13,511	\$ 82,028	\$ -	\$ 82,028	\$ 34,406	\$ 707						
Residential Energy Assessments	\$ 326,678	\$ 15,180	\$ 7,262	\$ 152,247	\$ -	\$ 152,247	\$ 12,090	\$ 6,203						
Residential Smart Saver®	\$ 1,949,221	\$ 260,300	\$ 252,080	\$ 2,064,345	\$ -	\$ 2,064,345	\$ 178,042	\$ 195,043						
Power Manager®	\$ 564,560	\$ -	\$ 131,418	\$ 607,753	\$ -	\$ 607,753	\$ -	\$ 117,092						
Peak Time Rebate Program	\$ 207,736	\$ -	\$ -	\$ 36,811	\$ -	\$ 36,811	\$ -	\$ -						
Revenues collected														
Total	\$ 4,395,987	\$ 456,282	\$ 358,358	\$ 3,578,982	\$ 275,989	\$ 3,302,993	\$ 232,028	\$ 283,216	\$ 1,746,882	\$ (7,212,847)	\$ (509,633)	\$ (3,272,047)	\$ 2,532,504	\$ (122,563)

(A) Amounts identified in report filed in Case No. 2018-00370

(B) Actual program expenditures, lost revenues (for this period and from prior period DSM measure installations), and shared savings for the period July 1, 2019 through June 30, 2020.

(C) Allocation of program expenditures to gas and electric in accordance with the Commission's Order in Case No. 2014-00388.

(D) Recovery allowed in accordance with the Commission's Order in Case No. 2012-00085.

(E) Recovery allowed in accordance with the Commission's Order in Case No. 2012-00085.

(F) Revenues collected through the DSM Rider between July 1, 2019 and June 30, 2020.

(G) Column (5) + Column (9) - Column(11).

(H) Column (6) + Column (7) + Column (8) + Column (10) - Column(12).

Commercial Programs	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Projected Program Costs 7/2019 to 6/2020 (A)	Projected Lost Revenues 7/2019 to 6/2020 (A)	Projected Shared Savings 7/2019 to 6/2020 (A)	Program Expenditures 7/2019 to 6/2020 (B)	Lost Revenues 7/2019 to 6/2020 (B)	Shared Savings 7/2019 to 6/2020 (B)	2019 Reconciliation (C)	Rider Collection (D)	(Over)/Under Collection (E)
Small Business Energy Saver	\$ 874,529	\$ 36,499	\$ 116,303	\$ 460,326	\$ 94,779	\$ 69,968			
Smart Saver® Custom	\$ 675,415	\$ 36,816	\$ 155,383	\$ 397,763	\$ 190,461	\$ 125,576			
Smart Saver® Prescriptive	\$ 1,676,125	\$ 60,956	\$ 520,952	\$ 1,141,244	\$ 154,998	\$ 452,467			
Power Manager® for Business(F)	\$ -	\$ -	\$ -	\$ 1,283	\$ 80	\$ 545			
Total	\$ 3,226,069	\$ 134,271	\$ 792,638	\$ 2,000,615	\$ 440,319	\$ 648,555	\$ 340,779	\$ 8,702,093	\$ (5,271,825)
PowerShare®	\$ 908,290	\$ -	\$ 153,191	\$ 650,303	\$ -	\$ 139,905	\$ 304,370	\$ 1,514,890	\$ (420,313)

(A) Amounts identified in report filed in Case No. 2018-00370

(B) Actual program expenditures, lost revenues (for this period and from prior period DSM measure installations), and shared savings for the period July 1, 2019 through June 30, 2020.

(C) Recovery allowed in accordance with the Commission's Order in Case No. 2012-00085.

(D) Revenues collected through the DSM Rider between July 1, 2019 and June 30, 2020.

(E) Column (4) + Column (5) + Column (6) + Column (7) - Column (8)

(F) Costs associated with customers still on the program during the fiscal year.

2021-2022 Projected Program Costs, Lost Revenues, and Shared Savings

Residential Program Summary (A)

	Residential Program Summary (A)				Allocation of Costs (B)			Budget (Costs, Lost Revenues, & Shared Savings)		
	<u>Costs</u>	<u>Lost Revenues</u>	<u>Shared Savings</u>	<u>Total</u>	<u>Electric</u>	<u>Gas</u>	<u>Electric Costs</u>	<u>Electric</u>	<u>Gas Costs</u>	
Low Income Neighborhood	\$ 334,354	\$ 15,147	\$ (12,075)	\$ 337,426	100.0%	0.0%	\$ 334,354	\$ 337,426	\$ -	
Low Income Services	\$ 674,774	\$ 13,372	\$ (23,004)	\$ 665,141	57.7%	42.3%	\$ 389,359	\$ 379,726	\$ 285,415	
My Home Energy Report	\$ 92,858	\$ 59,707	\$ 4,925	\$ 157,491	100.0%	0.0%	\$ 92,858	\$ 157,491	\$ -	
Residential Energy Assessments	\$ 259,935	\$ 20,469	\$ 6,026	\$ 286,429	100.0%	0.0%	\$ 259,935	\$ 286,429	\$ -	
Residential Smart \$aver®	\$ 1,009,464	\$ 137,430	\$ 36,691	\$ 1,183,586	100.0%	0.0%	\$ 1,009,464	\$ 1,183,586	\$ -	
Power Manager®	\$ 702,947	\$ -	\$ 113,199	\$ 816,146	100.0%	0.0%	\$ 702,947	\$ 816,146	\$ -	
Peak Time Rebate Program	\$ 197,549	\$ -	\$ -	\$ 197,549	100.0%	0.0%	\$ 197,549	\$ 197,549	\$ -	
Total Costs, Net Lost Revenues, Shared Savings	\$ 3,271,881	\$ 246,125	\$ 125,762	\$ 3,643,768			\$ 2,986,466	\$ 3,358,353	\$ 285,415	

NonResidential Program Summary (A)

	NonResidential Program Summary (A)				Allocation of Costs (B)			Budget (Costs, Lost Revenues, & Shared Savings)		
	<u>Costs</u>	<u>Lost Revenues</u>	<u>Shared Savings</u>	<u>Total</u>	<u>Electric</u>	<u>Gas</u>	<u>Electric Costs</u>	<u>Electric</u>	<u>Gas</u>	
Small Business Energy Saver	\$ 827,238	\$ 40,699	\$ 105,787	\$ 973,725	100.0%	0.0%	\$ 827,238	\$ 973,725	NA	
Smart \$aver® Custom	\$ 938,180	\$ 78,053	\$ 233,546	\$ 1,249,779	100.0%	0.0%	\$ 938,180	\$ 1,249,779	NA	
Smart \$aver® Prescriptive (C)	\$ 504,975	\$ 43,088	\$ 145,368	\$ 693,431	100.0%	0.0%	\$ 504,975	\$ 693,431	NA	
PowerShare®	\$ 857,738	\$ -	\$ 107,428	\$ 965,166	100.0%	0.0%	\$ 857,738	\$ 965,166	NA	
Total Costs, Net Lost Revenues, Shared Savings	\$ 3,128,132	\$ 161,841	\$ 592,128	\$ 3,882,101			\$ 3,128,132	\$ 3,882,101	NA	
Total Program	\$ 6,400,013	\$ 407,966	\$ 717,890	\$ 7,525,869						

(A) Costs, Lost Revenues (for this period and from prior period DSM measure installations), and Shared Savings for Year 9 of portfolio.

(B) Allocation of program expenditures to gas and electric in accordance with the Commission's Order in Case No. 2014-00388.

(C) Smart \$aver® Prescriptive consists of the following technologies: Energy Efficient Food Service Projects, HVAC, Lighting, IT, Pumps and Motors, and Process Equipment.

Duke Energy Kentucky
Demand Side Management Cost Recovery Rider (DSMR)
Summary of Calculations for Programs

July 2020 to June 2021

	Program Costs (A)
<u>Electric Rider DSM</u>	
Residential Rate RS	\$ 3,358,353
Distribution Level Rates Part A DS, DP, DT, GS-FL, EH & SP	\$ 2,916,935
Transmission Level Rates & Distribution Level Rates Part B	\$ 965,166
<u>Gas Rider DSM</u>	
Residential Rate RS	\$ 285,415

(A) See Appendix B, page 2 of 7

Duke Energy Kentucky
Demand Side Management Cost Recovery Rider (DSMR)
Summary of Billing Determinants

Year	2021
Projected Annual Electric Sales kWh	
Rate RS	1,487,109,845
Rates DS, DP, DT, GS-FL, EH, & SP	2,237,356,418
Rates DS, DP, DT, GS-FL, EH, SP, & TT	2,475,033,418
Projected Annual Gas Sales CCF	
Rate RS	62,283,830

Duke Energy Kentucky
Demand Side Management Cost Recovery Rider (DSMR)
Summary of Calculations

July 2019 to June 2020

Rate Schedule Riders	True-Up Amount (A)	Expected Program Costs (B)	Total DSM Revenue Requirements	Estimated Billing Determinants (C)	DSM Cost Recovery Rider (DSMR)
<u>Electric Rider DSM</u>					
Residential Rate RS	\$ (124,291)	\$ 3,358,353	\$ 3,234,062	1,487,109,845 kWh	\$ 0.002175 \$/kWh
Distribution Level Rates Part A DS, DP, DT, GS-FL, EH & SP	\$ (5,346,158)	\$ 2,916,935	\$ (2,429,222)	2,237,356,418 kWh	\$ (0.001086) \$/kWh
Transmission Level Rates & Distribution Level Rates Part B TT	\$ (426,239)	\$ 965,166	\$ 538,927	2,475,033,418 kWh	\$ 0.000218 \$/kWh
Distribution Level Rates Total DS, DP, DT, GS-FL, EH & SP					\$ (0.000868) \$/kWh
<u>Gas Rider DSM</u>					
Residential Rate RS	\$ 2,568,212	\$ 285,415	\$ 2,853,627	62,283,830 CCF	\$ 0.045817 \$/CCF
Total Rider Recovery			\$ 4,197,393		

(A) (Over)/Under of Appendix B page 1 multiplied by the average three-month commercial paper rate for 2019 to include interest on over or under-recovery in accordance with the Commission's order in Case No. 95-312. Value is:
 (B) Appendix B, page 2.
 (C) Appendix B, page 4.

Allocation Factors based on July 2019-
June 2020

Summary of Load Impacts July 2019 Through June 2020 (1)

	<u>kWh</u>	<u>% of Total Res Sales</u>	<u>ccf</u>	<u>% of Total Res Sales</u>	<u>Elec % of Total Sales</u>	<u>% of Gas Sales</u>	<u>% of Total Sales</u>
Residential Programs							
Low Income Neighborhood	138,758	0.0092%	-	0.0000%	100%		0%
Low Income Services	122,143	0.0081%	6,549	0.0111%	42%		58%
My Home Energy Report	1,596,695	0.1061%	-	0.0000%	100%		0%
Residential Energy Assessments	285,139	0.0190%	-	0.0000%	100%		0%
Residential Smart \$aver®	6,640,873	0.4414%	-	0.0000%	100%		0%
Power Manager®	-	0.0000%	-		100%		0%
Total Residential	8,783,608	0.5838%	6,549	0.0111%			
 Total Residential (Rate RS) Sales For July 2019 Through June 2020	 1,504,643,154	 100%	 58,919,207	 100%			

(1) Load Impacts Net of Free Riders at Meter

Summary of Load Impacts July 2021 Through June 2022 (1)

Allocation Factors Projected

Residential Programs	kWh	% of Total Res Sales	ccf	% of Total Res Sales	Allocation Factors Projected		
					Elec % of Total Sales	% of Gas Sales	% of Total Sales
Low Income Neighborhood	224,406	0.0151%	-	0.0000%	100%		0%
Low Income Services	255,140	0.0172%	7,833	0.0126%	58%		42%
My Home Energy Report	1,338,472	0.0900%	-	0.0000%	100%		0%
Residential Energy Assessments	384,320	0.0258%	-	0.0000%	100%		0%
Residential Smart \$aver®	2,038,692	0.1371%	-	0.0000%	100%		0%
Power Manager®	-	0.0000%	-	0.0000%	100%		0%
Total Residential	4,241,029	0.2852%	7,833	0.0126%			
Total Residential (Rate RS) Sales Projected	1,487,109,845	100%	62,283,830	100%			

(1) Load Impacts Net of Free Riders at Meter

KY.P.S.C. Gas No. 2
~~Twenty-Ninth~~Thirtieth Revised Sheet

No. 62
Duke Energy Kentucky
1262 Cox Road
No. 62
Erlanger, Kentucky 41018

Cancel and Supersedes
Twenty-~~Eighth~~Ninth Revised Sheet

Page 1 of 1

RIDER DSMR

DEMAND SIDE MANAGEMENT RATE

The Demand Side Management Rate (DSMR) shall be determined in accordance with the provisions of Rider DSM, Demand Side Management Cost Recovery Rider, Sheet No. 61 of this Tariff.

The DSMR to be applied to residential customer bills is \$0.~~030735~~045817 per hundred cubic feet. (I)

A Home Energy Assistance Program (HEA) charge of \$0.30 will be applied monthly to residential customer bills. ~~(I)~~

The DSMR to be applied to non-residential service customer bills is \$0.00 per hundred cubic feet.

Issued by authority of an Order by the Kentucky Public Service
Commission dated May 4, 2020 in Case No. 20192020-0036600371.

Issued: ~~May-November~~ 15, 2020

Effective: ~~June 30~~December 15, 2020

Issued by Amy B. Spiller, President /s/ Amy B. Spiller

Duke Energy Kentucky
1262 Cox Road
Erlanger, Kentucky 41018

KY.P.S.C. Gas No. 2
Thirtieth Revised Sheet No. 62
Cancels and Supersedes
Twenty-Ninth Revised Sheet No. 62
Page 1 of 1

RIDER DSMR

DEMAND SIDE MANAGEMENT RATE

The Demand Side Management Rate (DSMR) shall be determined in accordance with the provisions of Rider DSM, Demand Side Management Cost Recovery Rider, Sheet No. 61 of this Tariff.

The DSMR to be applied to residential customer bills is \$0.045817 per hundred cubic feet.

(I)

A Home Energy Assistance Program (HEA) charge of \$0.30 will be applied monthly to residential customer bills.

The DSMR to be applied to non-residential service customer bills is \$0.00 per hundred cubic feet.

Issued by authority of an Order by the Kentucky Public Service
Commission dated ____ in Case No. 2020-00371.

Issued: November 15, 2020
Effective: December 15, 2020
Issued by Amy B. Spiller, President /s/ Amy B. Spiller

No. 78
Duke Energy Kentucky
1262 Cox Road
No. 78
Erlanger, KY 41018

KY.P.S.C. Electric No. 2
Twenty-~~Eighth~~-Ninth Revised Sheet
Cancels and Supersedes
Twenty-~~Seventh~~-Eighth Revised Sheet
Page 1 of 1

RIDER DSMR
DEMAND SIDE MANAGEMENT RATE

The Demand Side Management Rate (DSMR) shall be determined in accordance with the provisions of Rider DSM, Demand Side Management Cost Recovery Rider, Sheet No. 75 of this Tariff.

The DSMR to be applied to residential customer bills is ~~(\$0.003143)~~\$0.002175 per kilowatt-hour. (R~~I~~)

A Home Energy Assistance Program (HEA) charge of \$0.30 will be applied monthly to residential customer bills. (~~I~~)

The DSMR to be applied to non-residential distribution service customer bills is ~~\$0.001768~~(\$0.000868) per kilowatt-hour. (R)

The DSMR to be applied for transmission service customer bills is ~~\$0.000537~~\$0.000218 per kilowatt-hour. (R)

Issued by authority of an Order by the Kentucky Public Service
Commission dated May 4, 2020 in Case No. 20192020-0036600371.

Issued: ~~May~~-November 15, 2020
Effective: ~~June 30~~December 15, 2020
Issued by Amy B. Spiller, President /s/ Amy B. Spiller

Duke Energy Kentucky
1262 Cox Road
Erlanger, KY 41018

KY.P.S.C. Electric No. 2
Twenty-Ninth Revised Sheet No. 78
Cancels and Supersedes
Twenty-Eighth Revised Sheet No. 78
Page 1 of 1

RIDER DSMR

DEMAND SIDE MANAGEMENT RATE

The Demand Side Management Rate (DSMR) shall be determined in accordance with the provisions of Rider DSM, Demand Side Management Cost Recovery Rider, Sheet No. 75 of this Tariff.

The DSMR to be applied to residential customer bills is \$0.002175 per kilowatt-hour. (I)

A Home Energy Assistance Program (HEA) charge of \$0.30 will be applied monthly to residential customer bills.

The DSMR to be applied to non-residential distribution service customer bills is (\$0.000868) per kilowatt-hour. (R)

The DSMR to be applied for transmission service customer bills is \$0.000218 per kilowatt-hour. (R)

Issued by authority of an Order by the Kentucky Public Service
Commission dated ____ in Case No. 2020-00371.

Issued: November 15, 2020
Effective: December 15, 2020
Issued by Amy B. Spiller, President /s/ Amy B. Spiller

Status Update for Duke Energy Kentucky Energy Efficiency and Demand Response Programs; 2020-2022

Planned¹ Evaluation, Measurement and Verification Activities and Evaluation Reports

Residential Customer Programs	Program/Measure	Last Evaluation completion	Next Evaluation ==>	Q1 2020	Q2 2020	Q3 2020	Q4 2020	Q1 2021	Q2 2021	Q3 2021	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022
Low Income Neighborhood	Neighborhood	2/27/2015							M&V	M&V	M&V	Report			
Low Income Services	Refrigerator Replace		TBD												
	Weatherization/Payment Plus	7/31/2013													
My Home Energy Report	MyHER	2/1/2014						M&V	M&V	Report					
Residential Energy Assessments	HEHC	8/7/2020		M&V	M&V	Report									
Residential Smart Saver®	HVAC	9/21/2015						M&V	M&V	Report					
	Specialty Bulbs/Onsite Savings Store	6/22/2015										M&V	M&V	Report	
	Water Measures	4/6/2020		M&V	Report										
	Multi-Family	12/26/2019												M&V	M&V
Power Manager		5/30/2014		M&V	M&V	Report					M&V	M&V	Report		
Non-Residential Customer Programs															
Non-Residential Customer Programs	Program/Measure			Q1 2020	Q2 2020	Q3 2020	Q4 2020	Q1 2021	Q2 2021	Q3 2021	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022
Small Business Energy Saver		4/7/2017										M&V	Report		
Smart Saver® Non-Res, Custom		3/1/2016			M&V	M&V	M&V	Report							
Smart Saver® Non-Res, Prescriptive		7/24/2019													M&V
PowerShare		2/14/2017									M&V	M&V	Report		
Pay For Performance		N/A	TBD												

¹ Future Evaluation Report dates are projections only. Actual report dates will vary depending on program participation, time to achieve a significant sample and the time needed to collect adequate data.

LEGEND	
M&V	Data collection (surveys, interviews, onsite visits, billing data) and analysis
Report	Evaluation Report

Program	Measure Name	UCT	TRC	RIM	PCT
Low Income Services	475: Low Income Weatherization- Refrigerator Replacement	0.42	0.45	0.31	1.90
Low Income Services	476: Low Income Weatherization- Tier 1	0.49	0.49	0.35	1.80
Low Income Services	477: Low Income Weatherization- Tier 2	0.49	0.49	0.35	1.80
Residential Energy Assessments	12207: Home Energy House Call - Bathroom Aerator	51.60	51.86	0.95	100.14
Residential Energy Assessments	12206: Home Energy House Call - Pipe Wrap	6.38	5.78	0.89	67.80
Residential Energy Assessments	7103: Home Energy House Call - Kit w LEDs	1.21	1.21	0.62	46.44
Residential Smart \$aver®	2981: Heat Pump Water Heater	0.94	0.72	0.48	2.49
Residential Smart \$aver®	2970: Faucet Aerators MF Direct 1.0 GPM - bath	4.60	3.76	0.80	23.23
Residential Smart \$aver®	2971: Faucet Aerators MF Direct 1.0 GPM - kitchen	4.37	3.57	0.76	23.23
Residential Smart \$aver®	2994: Pipe Wrap MF Direct	3.98	3.39	0.82	21.76
Residential Smart \$aver®	2984: LF Showerhead MF Direct 1.5 GPM	3.93	3.55	0.72	28.72
Residential Smart \$aver®	11789: Marketplace Air Purifier	3.32	2.29	0.79	4.70
Residential Smart \$aver®	11790: Marketplace Dehumidifier	2.78	1.98	0.87	3.61
Residential Smart \$aver®	11786: Marketplace LED Fixtures Direct Wire	2.16	1.55	0.69	3.89
Residential Smart \$aver®	11787: Marketplace LED Fixtures Portable	2.31	1.66	0.73	3.89
Residential Smart \$aver®	11788: Marketplace Photocell Outdoor Lights Fixtures	1.43	1.03	0.46	3.89
Residential Smart \$aver®	2998: Pool Pump	1.62	1.31	0.79	2.92
Residential Smart \$aver®	2385: Specialty Bulbs Recessed LED	2.15	2.40	0.62	10.21
Residential Smart \$aver®	4587: RCFLSP - Specialty Bulbs Candelabra LED	2.63	2.94	0.76	10.21
Residential Smart \$aver®	4588: RCFLSP - Specialty Bulbs Recessed Outdoor LED	2.36	2.63	0.68	10.21
Residential Smart \$aver®	5621: RCFLSP - Specialty Bulbs Globe LED	2.46	2.74	0.71	10.21
Residential Smart \$aver®	5622: RCFLSP - Specialty Bulbs 3 Way LED	2.46	2.74	0.71	10.21
Residential Smart \$aver®	8502: RLEDPM-ALINE	2.52	1.72	0.66	6.91
Residential Smart \$aver®	8503: RLEDPM-GLOBE	2.88	1.97	0.75	6.91
Residential Smart \$aver®	8504: RLEDPM-CANDELABRA	3.38	2.31	0.88	6.91
Residential Smart \$aver®	2979: Faucet Aerators SF DIY 1.0 GPM - bath	8.75	7.22	0.80	21.61
Residential Smart \$aver®	2980: Faucet Aerators SF DIY 1.0 GPM - kitchen	8.18	6.76	0.75	21.61
Residential Smart \$aver®	2997: Pipe Wrap SF DIY	6.59	7.73	0.80	40.29
Residential Smart \$aver®	11923: LF Wand Showerhead SF DIY 1.5 GPM.xlsx	7.63	9.64	0.66	29.11
Residential Smart \$aver®	11924: LF Wide Showerhead SF DIY 1.5 GPM.xlsx	7.63	9.64	0.66	29.11
Residential Smart \$aver®	2993: LF Showerhead SF DIY 1.5 GPM	7.72	9.76	0.67	29.11

Residential Smart \$aver®	6466: Smart Saver - Central Air Conditioner Tier 2 - Non-Referred	0.39	0.23	0.32	0.58
Residential Smart \$aver®	6450: Smart Saver - Central Air Conditioner Tier 2 - Referred	0.44	0.24	0.35	0.58
Residential Smart \$aver®	6468: Smart Saver - Central Air Conditioner Tier 3 - Non-Referred	0.39	0.29	0.33	0.79
Residential Smart \$aver®	6452: Smart Saver - Central Air Conditioner Tier 3 - Referred	0.43	0.30	0.35	0.79
Residential Smart \$aver®	6475: Smart Saver - Duct Sealing - Non-Referred	0.72	0.57	0.57	1.38
Residential Smart \$aver®	6459: Smart Saver - Duct Sealing - Referred	0.55	0.46	0.46	1.38
Residential Smart \$aver®	6467: Smart Saver - Heat Pump Tier 2 - Non-Referred	0.39	0.21	0.30	0.59
Residential Smart \$aver®	6451: Smart Saver - Heat Pump Tier 2 - Referred	0.43	0.21	0.32	0.59
Residential Smart \$aver®	6469: Smart Saver - Heat Pump Tier 3 - Non-Referred	0.27	0.18	0.23	0.63
Residential Smart \$aver®	6453: Smart Saver - Heat Pump Tier 3 - Referred	0.27	0.18	0.23	0.63
Residential Smart \$aver®	6471: Smart Thermostat - Non-Referred	1.83	0.73	0.56	1.96
Residential Smart \$aver®	6455: Smart Thermostat - Referred	24.62	1.16	0.78	1.96
Residential Smart \$aver®	6476: Smart Saver - Duct Insulation - Non-Referred	8.00	3.08	2.00	2.51
Residential Smart \$aver®	6460: Smart Saver - Duct Insulation - Referred	8.60	3.13	2.04	2.51
Residential Smart \$aver®	11280: Marketplace Smart Thermostats	2.66	1.31	0.62	3.25
Residential Smart \$aver®	11281: Marketplace Showerhead	10.08	5.43	1.30	7.46
Residential Smart \$aver®	11282: Marketplace Thermostatic Valve Device	10.08	5.43	1.30	7.46
Small Business Energy Saver	10904: SBES HVAC Tune-Up	1.01	0.71	0.38	2.99
Small Business Energy Saver	4906: SBES HVAC AC	3.62	2.54	1.34	2.99
Small Business Energy Saver	4907: SBES HVAC HP	2.78	1.95	1.03	2.99
Small Business Energy Saver	4908: SBES Lighting 8760	1.68	1.18	0.62	2.99
Small Business Energy Saver	4909: SBES Lighting Daylighting	2.32	1.63	0.86	2.99
Small Business Energy Saver	4910: SBES Lighting DusktuDawn	1.88	1.32	0.70	2.99
Small Business Energy Saver	4911: SBES OccSensors	2.32	1.63	0.86	2.99
Small Business Energy Saver	4912: SBES Refrigeration	2.26	1.59	0.84	2.99
Smart \$aver® Custom	517: Custom Rebate	3.82	1.92	0.96	3.42
Smart \$aver® Prescriptive	3123: HT ES Sngl Tank - CNV DW w-Boost Htr (Elec) New -repl on BO	4.22	3.15	1.27	4.94
Smart \$aver® Prescriptive	3124: HT ES Sngl Tank - CNV DW w-Boost Htr (Gas) New -repl on BO	4.21	3.15	1.27	4.94
Smart \$aver® Prescriptive	3125: HT ES Sngl Tank - Door DW w-Boost Htr (Elec) New -repl on BO	3.48	2.60	1.05	4.94
Smart \$aver® Prescriptive	527: Steamer_6 pan	3.46	2.59	1.04	4.94
Smart \$aver® Prescriptive	5660: Zero Energy Doors_Med-Temp Cooler	2.39	1.79	0.72	4.94
Smart \$aver® Prescriptive	5758: Combination Oven_10 pan	3.42	2.55	1.03	4.94
Smart \$aver® Prescriptive	10001: High Volume Low Speed Fan	4.92	3.36	1.40	4.61
Smart \$aver® Prescriptive	10028: HVAC DX AC 65-135kBtuh 11.7 EER (Tier 0_1) - EER only	7.16	4.89	2.03	4.61

Smart Saver® Prescriptive	2999: 0.5 Faucet Aerator (DI) - Commercial, public use	2.02	1.38	0.57	4.61
Smart Saver® Prescriptive	3000: 0.5 gpm Faucet Aerator (DI) - COMM, pvt use	2.77	1.89	0.79	4.61
Smart Saver® Prescriptive	3002: 1.0 Faucet Aerator (DI) - Commercial, public use	2.02	1.38	0.57	4.61
Smart Saver® Prescriptive	3117: Water Heater Pipe Insulation	2.98	2.03	0.85	4.61
Smart Saver® Prescriptive	384: Setback Programmable Thermostat	2.15	1.47	0.61	4.61
Smart Saver® Prescriptive	5700: HVAC DX AC 135-240kBtuh 11.7 EER (Tier 0_1)	8.95	6.11	2.54	4.61
Smart Saver® Prescriptive	5701: HVAC DX AC 135-240kBtuh 12.2 EER (Tier 2)	8.95	6.11	2.54	4.61
Smart Saver® Prescriptive	5703: HVAC DX AC 240-760kBtuh 10.8 EER (Tier 2)	8.98	6.13	2.55	4.61
Smart Saver® Prescriptive	5704: HVAC DX AC 65-135kBtuh 11.7 EER (Tier 0_1)	8.94	6.10	2.54	4.61
Smart Saver® Prescriptive	5705: HVAC DX AC 65-135kBtuh 12.2 EER (Tier 2)	8.94	6.11	2.54	4.61
Smart Saver® Prescriptive	5708: HVAC DX AC less than 65kBtuh 14 SEER (Tier 0_1)	9.66	6.60	2.74	4.61
Smart Saver® Prescriptive	5709: HVAC DX AC less than 65kBtuh 15 SEER (Tier 2)	9.61	6.56	2.73	4.61
Smart Saver® Prescriptive	5717: HVAC DX HP Split less than 65kBtuh 15 SEER 9 HSPF (Tier 2)	5.85	4.00	1.66	4.61
Smart Saver® Prescriptive	6122: Air Cooled Chiller_Any greater than 150 tons	16.18	11.05	4.59	4.61
Smart Saver® Prescriptive	10062: LED Highbay replacing 251-400W HID Lamp	3.79	2.71	0.99	5.46
Smart Saver® Prescriptive	10070: LED Highbay replacing greater than 400W HID Lamp	3.93	2.82	1.02	5.46
Smart Saver® Prescriptive	10074: LED Highbay Fixture replacing 6-lamp 4ft T8 fixture	4.36	3.12	1.13	5.46
Smart Saver® Prescriptive	10075: LED Highbay Fixture replacing 2-lamp 8ft T12 fixture	4.36	3.12	1.14	5.46
Smart Saver® Prescriptive	10077: LED Highbay Fixture replacing 4-lamp 4ft T5HO fixture	4.36	3.12	1.13	5.46
Smart Saver® Prescriptive	10079: LED FLD rplcng or ILO greater than 500W HAL, INCD, or HID	2.19	1.57	0.57	5.46
Smart Saver® Prescriptive	10083: LED 4ft Tube 1-LED, replacing or in lieu of T5HO fluorescent	4.20	3.01	1.09	5.46
Smart Saver® Prescriptive	3067: LED FLD rplcng or ILO GRT 100W HAL, INCD, or HID	2.55	1.82	0.66	5.46
Smart Saver® Prescriptive	3069: LED Highbay replacing 251-400W HID	4.02	2.87	1.05	5.46
Smart Saver® Prescriptive	3070: LED Highbay replacing greater than 400W HID	4.01	2.87	1.04	5.46
Smart Saver® Prescriptive	3072: LED Lowbay replacing up to 175W HID	3.86	2.76	1.01	5.46
Smart Saver® Prescriptive	3073: LED Panel 1x4 replacing or in lieu of T8 FL	4.22	3.02	1.10	5.46
Smart Saver® Prescriptive	3075: LED Panel 2x2 replacing or in lieu of T8 FL	4.25	3.05	1.11	5.46
Smart Saver® Prescriptive	3077: LED Panel 2x4 replacing or in lieu of T8 FL	4.28	3.06	1.11	5.46
Smart Saver® Prescriptive	3128: LED Display Case (rplcng or ILO INCD or FL display case Ltng)	4.19	3.00	1.09	5.46
Smart Saver® Prescriptive	3131: LED Track Ltng (rplcng or ILO INCD, HAL, CFL, or HID track Ltng)	4.40	3.15	1.15	5.46
Smart Saver® Prescriptive	352: LED Exit Signs Electronic Fixtures (Retrofit Only)	3.66	2.62	0.95	5.46
Smart Saver® Prescriptive	8850: LED 2ft Tube 1-LED, replacing or in lieu of T8 fluorescent	4.02	2.88	1.05	5.46
Smart Saver® Prescriptive	8851: LED 4ft Tube 1-LED, replacing or in lieu of T8 fluorescent	4.03	2.88	1.05	5.46
Smart Saver® Prescriptive	8853: LED Decorative, Globe, 3-Way Lamps	4.30	3.08	1.12	5.46

Smart \$aver® Prescriptive	8859: LED PAR, BR, MR Lamps	4.31	3.08	1.12	5.46
Smart \$aver® Prescriptive	3113: VSD Air COMP replacing load no load COMP	4.60	3.30	1.19	5.04
My Home Energy Report	2098: Home Energy Comparison Report - Commercialized	1.80	1.80	0.87	>1.00
My Home Energy Report	5560: My Home Energy Report - Online	1.70	1.70	0.74	>1.00
Power Manager®	9511: Power Manager - Medium	2.81	4.11	2.81	>1.00
PowerShare®	8323: PowerShare - Summer Only	2.00	5.40	2.00	>1.00
PowerShare®	8324: PowerShare - Extended Summer	-	-	-	>1.00
PowerShare®	8325: PowerShare - Annual	2.11	5.70	2.11	>1.00
Low Income Neighborhood	2071: Low Income Neighborhood	0.54	0.58	0.39	2.27