

**BEFORE THE
PUBLIC UTILITIES COMMISSION OF OHIO**

In the Matter of the Application of)	
Ohio Power Company to Establish)	Case No. 13-1937-EL-ATA
An Expiration for its gridSMART)	
Experimental Tariffs)	

AMENDED APPLICATION

1. Ohio Power Company (“Company” or “AEP Ohio”) is an electric light company, as that term is defined in §§4905.03 and 4928.01 (A) (7), Ohio Rev. Code.
2. On September 13, 2013, the Company filed its Application in this proceeding, which proposed to establish an Expiration of its gridSMART Experimental tariffs.
3. On May 30, 2019, in Case No. 17-1234-EL-ATA, the Staff of the Commission filed a Staff Report, reflecting three recommendations that: (a) the Company should proposed an on-peak period that aligns with the seasonal (summer and winter) peak demand periods for the distribution system and that is consistent with the direction of the on-peak periods developed through the gridSMART pilot program offerings, *i.e.*, six hours or less; (b) the input data used to calculate the proposed rates be updated to reflect more current data inputs, *i.e.*, most recent annual load profiles for the RS and GS non-demand metered customer classes and the current GENC rates; and (c) the Commission should then approve the Company’s applications to expire the

experimental TOU and DLC rates (as proposed in Case No. 13-1937-EL-ATA).

4. The Company concurred with the Staff's first two recommendations and submitted updated proposed tariffs in Case No. 17-1234-EL-ATA that conform to those recommendations.
5. Regarding the 13-1937 case and the Staff's third recommendation, the Company proposes that the Commission approve a transition plan for customers currently served on the Company's Smart Shift and Smart Shift Plus tariffs. Customers on these two tariffs, which total approximately 450 at the time of this filing, would be provided communication about the change to the on and off peak periods and provided the opportunity to opt out of the changes, at which time they would be transferred to a non-TOU rate. If the Customers do not opt out, they will be assessed the TOU charge as approved by the Commission. The Company also serves approximately 857 customers on its Smart Cooling tariff. The Company is requesting Commission approval to continue this tariff as there are no alternative tariffs for this program. The Company is updating its proposed tariffs in this docket to reflect this proposed transition plan. The redlined tariffs are included here as attachment A while the proposed clean versions are included here as attachment B. The redlined tariffs will results in removing the Experimental tariffs from the Company's tariff book with the exception of the Direct Load Control. This will leave the RS-TOU, GS-1 TOU as proposed in Case No. 17-1234-EL-ATA as well as the Direct Load control as proposed in this case.

6. In order to utilize existing billing system code, the Company will replace the RS-TOD2 tariff with the updated RS-TOU tariff as filed in Case No. 17-1234-EL-ATA and will replace the current GS-1 TOD with the updated rates upon expiration of the transition period communicated to customers.

WHEREFORE, the Company requests approval of this Amended Application as set forth above.

Respectfully submitted,

/s/ Steven T. Nourse

Steven T. Nourse
American Electric Power Service Corporation
1 Riverside Plaza, 29th Floor
Columbus, Ohio 43215
Telephone: (614) 716-1608
Fax: (614) 716-2950
Email: stnourse@aep.com

Counsel for Ohio Power Company

Attachment A – Redline Tariffs

~~SCHEDULE RS — TOD2~~
(Experimental Residential Time-of-Day Service)

Availability of Service

Available to individual residential customers on a voluntary, experimental basis for residential electric service through one single-phase, multi-register meter capable of measuring electrical energy consumption during variable pricing periods. Availability is restricted to customers served by the circuits designated for the Company's gridSMARTSM pilot program. This tariff will be in effect for a minimum of one (1) year.

Customers may enroll in this Schedule during the period of September 1 — March 1.

This schedule is not available to customers currently taking service under Schedule R-R-1 or the PIPP Plus program.

Monthly Rate (Schedule Code 040)

	Distribution
Customer Charge (\$)	4.52
Energy Charge (¢ per KWH):	
—Low Cost Hours	2.58097
—High Cost Hours	2.58097

Billing Hours

	Low Cost	High Cost
Months	Hours (P1)	Hours (P2)
Approximate Percent (%) of Annual Hours	94%	6%
October 1 to May 31	All Hours	None
June 1 to September 30	Midnight to 1 PM, 7 PM to Midnight	1 PM to 7 PM

NOTE: All kWh consumed during weekends (all hours of the day on Saturdays and Sundays) and the legal holidays of Independence Day and Labor Day are billed at the low-cost (P1) level.

Minimum Charge

The minimum monthly charge for service shall be the Customer Charge

Payment

Bills are due and payable in full by mail, checkless payment plan, electronic payment plan or at an authorized payment agent of the Company within 15 days after the mailing of the bill.

Filed pursuant to Order dated February 25, 2015 in Case No. 13-2385-EL-SSO

Issued: April 24, 2015

Effective: June 1, 2015

Issued by
Pablo Vegas, President
AEP Ohio

~~SCHEDULE RS — TOD2~~
~~(Experimental Residential Time-of-Day Service)~~

Applicable Riders

~~Monthly Charges computed under this schedule shall be adjusted in accordance with the Commission-approved riders on Sheet Number 104-1.~~

Term of Contract

~~Annual. Customers selecting this schedule must take service under this schedule for a minimum of one (1) year. A written agreement may, at the Company's option, be required.~~

Special Terms and Conditions

~~This schedule is subject to the Company's Terms and Conditions of Service.~~

~~This schedule is intended for single phase service. Where the residential customer requests three-phase service, this schedule will apply if the residential customer pays to the Company the difference between constructing single-phase service and 3 phase service. Where motors or heating equipment are used for commercial or industrial purposes, the applicable general service schedule will apply to such service.~~

~~Customers with cogeneration and/or small power production facilities which qualify under Section 210 of the Public Utility Regulatory Policies Act of 1978 shall take service under Schedule COGEN/SPP, Schedule NEMS, or by special agreement with the Company. All other customers having sources of electrical energy supply other than the Company shall take service under the applicable Residential Schedule or Schedule NEMS.~~

~~For customers with cogeneration and/or small power production facilities which do not qualify for service under Schedule COGEN/SPP or Schedule NEMS, detents shall be used on the necessary metering to prevent reverse rotation. At its discretion, the Company may require that Company-owned metering be installed to monitor the customer's generation. The Company reserves the right to inspect the customer's relays and protective equipment at all reasonable times.~~

~~At the end of the initial one (1) year trial period under the Schedule, the customer will be held harmless from charges in excess of the energy charges they would have incurred under the otherwise applicable service schedule. After the one (1) year trial period, the customer will be required to pay the actual energy charges incurred under this Schedule.~~

~~The Company shall collect data during the course of this experiment. Customer-specific information will be held as confidential and data presented in any analysis will protect the identity of the individual customer.~~

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P.U.C.O. NO. 20

Rider DLC
(Experimental Direct Load Control Rider)

Availability of Service

Available to individual residential customers on a voluntary, experimental basis for residential electric service. Availability is restricted to customers served by the circuits designated for the Company's gridSMARTSM program. Customers taking service under Schedule CPP are not eligible for this rider. This rider will be in effect for a minimum of one (1) year.

For non-owner occupied dwellings, the Company may require permission from the owner to install auxiliary communicating equipment, smart thermostat device, or load control switch. Customers will not be eligible for this rider if the owner does not allow installation of the equipment.

The customer may chose to participate in the electric cooling unit program only. Customers participating in the electric cooling unit program may also choose to participate in the electric water heating unit control, electric pool pump or electric hot tub programs.

Service under this rider is limited based upon the availability of smart thermostat devices and load control switch devices. The Company plans to have approximately 8,500 smart thermostat devices in total to distribute in the gridSMARTSM area for all programs. The Company plans to have a total of 1,000 load control switches available for the electric water heating unit, pool pump, or hot tub program. At the Company's option, this rider may be made available to additional customers. Upon request by the Company and approval by the Commission in a future filing, additional customers may be responsible for the Commission-approved cost of the smart thermostat device and load control switch.

Program Description

To participate, customers must allow the Company, or its authorized agents, to install a smart thermostat device, load control switch(es) and, if necessary, auxiliary communicating devices to control the customer's central electric cooling unit(s) and / or electric water heater unit(s), pool pump(s), or hot tub(s). All such devices shall be installed at a time that is consistent with the orderly and efficient deployment of this program.

The Company will utilize the smart thermostat device and the load control switch(es) to reduce customer's energy use during load management events. The smart thermostat device may employ either a temperature setback or cycling methodology.

Under a temperature setback methodology, the Company may increase the preset temperature on the customer's thermostat by no more than four (4) degrees during load management events.

Under a cycling methodology, the Company may cycle off the central electric cooling unit(s) generally for up to one-half of every hour of a load management event.

The load control device will switch off the electric water heating unit, pool pump, and/or hot tub during a load management event.

Filed pursuant to Orders dated December 14, 2011 in Case Nos. 13-1937-EL-ATA14-346-EL-SSO and 11-351-EL-AIR

Issued: December 22, 2011

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Rajagopalan Sundararajan Pablo Vegas, President
AEP Ohio

P.U.C.O. NO. 20

Rider DLC
(Experimental Direct Load Control Rider)

Company planned load management events shall not exceed five (5) hours per day. Such non-emergency load management events shall not exceed 15 events and shall occur only during the months of May through September between Noon and 8 pm.

Electric water heating units and hot tubs would be subject to 15 additional non-emergency load management events during the months of October through April between 5 am and 11 pm.

For emergency purposes, load management events shall not exceed 10 events per PJM planning year (June through May) and not last longer than six (6) hours duration. Emergencies shall be determined by PJM as defined in PJM Manual 13 – Emergency Operations. Emergency load management events can only occur between Noon and 8 pm on weekdays during May through September and 2 pm to 10 pm on weekdays during October through April.

Rate Credit

Electric Cooling Unit (Summer Only)

Customers taking service under Schedules R-R, RLM, RS-ES, RS-TOD, and RS-TOD2 shall receive the following monthly billing credits in June through October for each electric cooling unit controlled during the calendar months of May through September:

- \$ 8.00 for any calendar month where the customer does not override an event signal
- \$ 4.00 for any calendar month where the customer overrides one (1) event signal
- \$ 0.00 for any calendar month where the customer overrides more than one (1) event signal

Customers taking service under Schedule R-R-1 shall receive the following monthly billing credits in June through October for each electric cooling unit controlled during the calendar months of May through September:

- \$ 3.00 for any calendar month where the customer does not override an event signal
- \$ 1.50 for any calendar month where the customer overrides one (1) event signal
- \$ 0.00 for any calendar month where the customer overrides more than one (1) event signal

Pool Pump (Summer Only)

Residential customers shall receive a \$6.00 billing credit per month in June through October for each pool pump controlled during the calendar months of May through September.

Filed pursuant to Orders dated December 14, 2011 in Case Nos. 13-1937-EL-ATA11-346-EL-SSO and 11-351-EL-AIR

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Rider DLC
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Electric Water Heating Unit and Hot Tub (Year-Round)

Residential customers shall receive the following monthly billing credits for each electric water heating unit or hot tub controlled:

Electric Water Heating Unit	\$ 1.00 per calendar month
Hot Tub	\$ 2.00 per calendar month

Such credits shall not reduce the customer's bill below the minimum charge as specified in the schedule under which the customer takes service.

Equipment

The Company will furnish and install, in the customer's presence, a smart thermostat device, load control switch(es) and, if necessary, an auxiliary communicating device inside the customer's residence. All equipment will be owned and maintained by the Company until such time as the experimental direct load control program is discontinued or the customer requests to be removed from the program after completing the initial mandatory period of one (1) cooling season (May through September) for electric cooling units and pool pumps or one (1) year for electric water heating units and hot tubs. At that time, ownership of the smart thermostat will transfer to the customer and the auxiliary communicating device will be picked up or returned to the Company at the Company's expense in good working order. The customer is not required to pay a deposit for this equipment; however, failure to return the auxiliary communicating device in good working order may result in additional charges in the amount of the current prevailing cost of the auxiliary equipment.

Should the customer lose or damage the smart thermostat device, load control switch(es) or auxiliary communicating equipment, the customer will be responsible for the cost of repairing or replacing the device(s). If the device(s) malfunctions through no fault of the customer, the Company will replace or repair the device(s) at its expense.

Contract

Electric Cooling Unit and Pool Pump

Participating customers must agree to participate for an initial period of one (1) cooling season (May through September) and thereafter may discontinue participation by contacting the Company.

Electric Water Heating Unit and Hot Tub

Participating customers must agree to participate for an initial period of one (1) year and thereafter may discontinue participation by contacting the Company.

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Rider DLC
(Experimental Direct Load Control Rider)

Special Terms and Conditions

This Rider is subject to the Company's Terms and Conditions of Service and all provisions of the schedule under which the Customer takes service, including all payment provisions.

The Company shall not be required to install load management equipment if the installation cannot be justified for reasons such as: technological limitations, safety concerns, or abnormal utilization of equipment, including vacation or other limited occupancy residences.

The Company and its authorized agents shall be permitted access to the customer's premises during normal business hours to install, inspect, test, or maintain the load management device(s). The Company shall also be allowed access to the customer's premise to repair or remove faulty load management device(s).

The Company shall collect data during the course of this experiment. Customer-specific information will be held as confidential and data presented in any analysis will protect the identity of the individual customer.

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SCHEDULE CPP
(Experimental Critical Peak Pricing Service)

Availability of Service

Available to individual residential customers on a voluntary, experimental basis for residential electric service. Availability is restricted to customers served by the circuits designated for the Company's gridSMARTSM program. Customers taking service under this schedule are not eligible for Rider DLC. This schedule will be in effect for a minimum of one (1) year.

For non-owner occupied multi-family dwellings, the Company may require permission from the owner to install auxiliary communicating equipment. Customers will not be eligible for this schedule if the owner does not allow installation of auxiliary communicating equipment.

Customers may enroll in this Schedule during the period of October 1—April 1.

This schedule is not available to customers participating in the PIPP Plus program.

Service under this schedule is limited based upon the availability of in-home displays and/or programmable communicating thermostats. The Company plans to have 1,000 in-home displays or programmable communicating thermostats available through 2013. At the Company's option, this schedule may be made available to additional customers. Upon request by the Company and approval by the Commission in a future filing, additional customers may be responsible for the Commission approved cost of the in-home display and programmable communicating thermostat.

Monthly Rate (Schedule Code 043)

Winter Months: October 1 through May 31	Billing Hours	Distribution
Customer Charge (\$)		4.52
Energy Charge (\$ per KWH):		
—First 800 KWH (excluding Critical Peak —kWh)		2.98899
—Over 800 KWH (excluding Critical —Peak kWh)		0.57028
Critical Peak Hours	When Notified	0.57028

Summer Months: June 1 through September 30	Billing Hours	Distribution
Customer Charge (\$)		4.52
Energy Charge (\$ per KWH):		
—Low Cost Hours	Midnight—7 AM, 9 PM—Midnight	2.98899
—Medium Cost Hours	7 AM—1 PM, 7 PM—9 PM	2.98899
—High Cost Hours	1 PM—7 PM	2.98899
—Critical Peak Hours	When Notified	2.98899

NOTE: Unless a critical peak event is called, all kWh consumed during the Summer Months on weekends (all hours of the day on Saturdays and Sundays) and the legal holidays, Independence Day and Labor Day, are billed

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~~SCHEDULE CPP
(Experimental Critical Peak Pricing Service)~~

~~at the low cost level.~~

~~Critical Peak Events~~

~~———— Critical peak events shall be called at the sole discretion of the Company. Critical peak events shall not exceed five (5) hours per day and 15 events per calendar year.~~

~~Critical Peak Event Notification~~

~~———— Customers will be notified by the Company by 7 PM the evening prior to a critical peak event through the in-home display, programmable communicating thermostat, and / or email. The Company may utilize text messaging to a cellular device when the enabling technology becomes available. In the event of an emergency, the Company may invoke a critical peak event by providing notice no less than two (2) hours prior to the start of the event.~~

~~Minimum Charge~~

~~The minimum monthly charge shall be the Customer Charge.~~

~~Payment~~

~~———— Bills are due and payable in full by mail, checkless payment plan, electronic payment plan or at an authorized payment agent of the Company within 15 days after the mailing of the bill.~~

~~Applicable Riders~~

~~———— Monthly Charges computed under this schedule shall be adjusted in accordance with the Commission-approved riders on Sheet Number 104-1.~~

~~Equipment~~

~~———— The Company will furnish and install, in the customer's presence, either an in-home display or a programmable communicating thermostat. If necessary, the Company may also furnish and install an auxiliary communicating equipment inside the customer's residence. All equipment will be owned and maintained by the Company until such time as the experimental critical peak pricing service is discontinued or the customer requests to be removed from the program after completing the initial mandatory period of one (1) year. At that time, ownership of the programmable communicating thermostat will transfer to the customer. Upon request, the in-home display and/or auxiliary communicating equipment will be picked up or returned to the Company at the Company's expense in good working order. The customer is not required to pay a deposit for this equipment; however, failure to return the in-home display and auxiliary communicating equipment in good working order may result in additional charges in the amount of the current prevailing cost of the in-home display and auxiliary communicating equipment.~~

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~~SCHEDULE CPP
(Experimental Critical Peak Pricing Service)~~

~~Should the customer lose or damage the in-home display, programmable communicating thermostat, and/or auxiliary communicating equipment, the customer will be responsible for the cost of repairing or replacing the device(s). If the device(s) malfunctions through no fault of the customer, the Company will replace or repair the device(s) at its expense.~~

~~Term of Contract~~

~~Annual. Customers selecting this schedule must take service under this schedule for a minimum of one (1) year. A written agreement may, at the Company's option, be required.~~

~~Special Terms and Conditions~~

~~This schedule is subject to the Company's Terms and Conditions of Service.~~

~~This schedule is intended for single phase service. Where the residential customer requests three-phase service, this schedule will apply if the residential customer pays to the Company the difference between constructing single-phase service and 3-phase service. Where motors or heating equipment are used for commercial or industrial purposes, the applicable general service schedule will apply to such service.~~

~~Customers with cogeneration and/or small power production facilities which qualify under Section 210 of the Public Utility Regulatory Policies Act of 1978 shall take service under Schedule COGEN/SPP, Schedule NEMS, or by special agreement with the Company. All other customers having sources of electrical energy supply other than the Company shall take service under the applicable Residential Schedule or Schedule NEMS.~~

~~For customers with cogeneration and/or small power production facilities which do not qualify for service under Schedule COGEN/SPP or Schedule NEMS, detents shall be used on the necessary metering to prevent reverse rotation. At its discretion, the Company may require that Company-owned metering be installed to monitor the customer's generation. The Company reserves the right to inspect the customer's relays and protective equipment at all reasonable times.~~

~~At the end of the initial one (1) year trial period under the Schedule, the customer will be held harmless from charges in excess of the energy charges they would have incurred under the otherwise applicable service schedule. After the one (1) year trial period, the customer will be required to pay the actual energy charges incurred under this Schedule.~~

~~The Company shall collect data during the course of this experiment. Customer-specific information will be held as confidential and data presented in any analysis will protect the identity of the individual customer.~~

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SCHEDULE RS - RTP
(Experimental Residential Real-Time Pricing Service)

Availability of Service

~~Available to individual residential customers on a voluntary, experimental basis for electric service through one single-phase, multi-register meter capable of measuring electrical energy consumption during variable pricing periods. Availability is restricted to customers served by the circuits designated for the Company's gridSMART[®] pilot program. This tariff will be in effect for a minimum of one (1) year. Schedule RS-RTP will be marketed as the SMART ChoiceSM program.~~

~~For non-owner occupied multi-family dwellings, the Company may require permission from the owner to install auxiliary communicating equipment. Customers will not be eligible for this schedule if the owner does not allow installation of auxiliary communicating equipment.~~

~~This schedule is not available to customers currently taking service under Schedule R-R-1 or the PIPP Plus program.~~

~~Service under this schedule is limited based upon the availability of smart demand response control devices. The Company plans to have no more than 1,000 smart demand response control devices by the end of calendar year 2011. At the Company's option, this Schedule may be made available to additional customers. Upon request by the Company and approval by the Commission in a future filing, additional customers may be responsible for the Commission-approved cost of the smart demand response control device.~~

~~Smart demand response control devices allow customers to automatically adjust their energy usage in response to real-time prices based on customer established preferences.~~

Real-time Rate (Schedule Code 045)

	Distribution
Customer Charge (\$)	4.52
Fixed Energy Charge	--
Variable Energy Charge (¢ per KWH):	
— Summer (June — September)	2.98899
— Winter (October — May)	
— First 800 kWh	2.98899
— Over 800 kWh	0.57028

Minimum Charge

~~The minimum monthly charge shall be the Customer Charge.~~

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~~SCHEDULE RS - RTP~~
~~(Experimental Residential Real-Time Pricing Service)~~

Payment

~~_____ Bills are due and payable in full by mail, checkless payment plan, electronic payment plan or at an authorized payment agent of the Company within 15 days after the mailing of the bill.~~

Applicable Riders

~~_____ Monthly Charges computed under this schedule shall be adjusted in accordance with the Commission-approved riders on Sheet Number 104-1.~~

Equipment

~~The Company will furnish and install, in the customer's presence, one or more smart demand response control devices and, if necessary, one or more auxiliary communicating devices inside the customer's premises. All equipment will be owned and maintained by the Company until such time as the experimental real-time price program is discontinued or the customer requests to be removed from the program after completing the initial trial period of one (1) year.~~

~~The Company will not be required to install the smart demand response devices if the installation can not be justified for reasons such as: technological limitations, safety concerns, or abnormal utilization of equipment, including vacation or other limited occupancy residences.~~

~~Should the customer lose or damage the smart demand device(s) and/or auxiliary communicating equipment, the customer will be responsible for the cost of repairing or replacing the device(s). If the device(s) malfunctions through no fault of the customer, the Company will replace or repair the device(s) at its expense.~~

~~The Company and its authorized agents will be permitted access to the customer's premises during normal business hours in the customer's presence to install, inspect, test, or maintain the smart demand response control device(s) and / or auxiliary communicating equipment. The Company will also be allowed access to the customer's premises to repair or remove faulty smart demand response control device(s).~~

Term of Contract

~~Annual. Customers selecting this schedule must take service under this schedule for a minimum of one (1) year. A written agreement may, at the Company's option, be required.~~

Special Terms and Conditions

~~This schedule is subject to the Company's Terms and Conditions of Service.~~

~~This schedule is intended for single phase service. Where the residential customer requests three-phase service, this schedule will apply if the residential customer pays to the Company the difference between constructing single-phase service and 3-phase service. Where~~

~~SCHEDULE RS - RTP~~
~~(Experimental Residential Real-Time Pricing Service)~~

~~motors or heating equipment are used for commercial or industrial purposes, the applicable general service schedule will apply to such service.~~

~~Customers with cogeneration and/or small power production facilities which qualify under Section 210 of the Public Utility Regulatory Policies Act of 1978 shall take service under Schedule COGEN/SPP, Schedule NEMS, or by special agreement with the Company. All other customers having sources of electrical energy supply other than the Company shall take service under the applicable Residential Schedule or Schedule NEMS.~~

~~For customers with cogeneration and/or small power production facilities which do not qualify for service under Schedule COGEN/SPP or Schedule NEMS, detents shall be used on the necessary metering to prevent reverse rotation. At its discretion, the Company may require that Company-owned metering be installed to monitor the customer's generation. The Company reserves the right to inspect the customer's relays and protective equipment at all reasonable times.~~

~~At the end of the initial one (1) year trial period under the Schedule, the customer will be held harmless from charges in excess of the energy charges they would have incurred under the otherwise applicable service schedule. After the one (1) year trial period, the customer will be required to pay the actual energy charges incurred under this Schedule.~~

~~The Company shall collect data during the course of this experiment. Customer-specific information will be held as confidential and data presented in any analysis will protect the identity of the individual customer.~~

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~~SCHEDULE GS1—TOD
(Experimental Small General Service Time-of-Day)~~

Availability of Service

~~Available on a voluntary, experimental basis for general service to customers with maximum demands less than 10 kW through one single-phase, multi-register meter capable of measuring electrical energy consumption during variable pricing periods. Availability is restricted to customers served by the circuits designated for the Company's gridSMARTSM program. This tariff will be in effect for a minimum of one (1) year.~~

~~Customers may enroll in this Schedule during the period of September 1—March 1.~~

Monthly Rate (Schedule Code: 284)

	Distribution
Customer Charge (\$)	6.47
Energy Charge (¢ per KWH):	
—Low Cost Hours	1.47707
—High Cost Hours	1.47707

Billing Hours

	Low Cost Hours	High Cost Hours
Months		
Approximate Percent (%) of Annual Hours	94%	6%
October 1 to May 31	All Hours	None
June 1 to September 30	Midnight to 1 PM, 7 PM to Midnight	1 PM to 7 PM

~~NOTE: All kWh consumed during weekends (all hours of the day on Saturdays and Sundays) and the legal holidays of Independence Day and Labor Day are billed at the low cost level.~~

Minimum Charge

~~The minimum monthly charge shall be the Customer Charge.~~

Delayed Payment Charge

~~Bills are due and payable in full by mail, checkless payment plan, electronic payment plan or at an authorized payment agent of the Company within 21 days after the mailing of the bill. On all accounts not so paid, an additional charge of 5% of the total amount billed will be made. Federal, state, county, township and municipal governments and public school systems not served under special contract are subject to the Public Authority Payment provision, Supplement No. 21.~~

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~~SCHEDULE GS1—TOD~~
(Experimental Small General Service Time-of-Day)

Applicable Riders

~~Monthly Charges computed under this schedule shall be adjusted in accordance with the Commission-approved riders on Sheet Number 104-1.~~

Term of Contract

~~Annual. Customers selecting this schedule must take service under this schedule for a minimum of one (1) year. A written agreement may, at the Company's option, be required.~~

Special Terms and Conditions

~~This schedule is subject to the Company's Terms and Conditions of Service.~~

~~Customers with cogeneration and/or small power production facilities which qualify under Section 210 of the Public Utility Regulatory Policies Act of 1978 shall take service under Schedule COGEN/SPP, Schedule NEMS, or by special agreement with the Company. All other customers having sources of electrical energy supply other than the Company shall take service under the applicable General Service Schedule or Schedule NEMS.~~

~~For customers with cogeneration and/or small power production facilities which do not qualify for service under Schedule COGEN/SPP or Schedule NEMS, detents shall be used on the necessary metering to prevent reverse rotation. At its discretion, the Company may require that Company-owned metering be installed to monitor the customer's generation. The Company reserves the right to inspect the customer's relays and protective equipment at all reasonable times.~~

~~At the end of the initial one (1) year trial period under the Schedule, the customer will be held harmless from charges in excess of the energy charges they would have incurred under the otherwise applicable service schedule. After the one (1) year trial period, the customer will be required to pay the actual energy charges incurred under this Schedule.~~

~~The Company shall collect data during the course of this experiment. Customer-specific information will be held as confidential and data presented in any analysis will protect the identity of the individual customer.~~

~~Filed pursuant to Order dated February 25, 2015 in Case No. 13-2385-EL-SSO~~

~~Issued: April 1, 2015~~

~~Effective: June 1, 2015~~

~~Issued by
Pablo Vegas, President
AEP Ohio~~

Attachment B – Clean Tariffs

P.U.C.O. NO. 20

Rider DLC
(Experimental Direct Load Control Rider)

Availability of Service

Available to individual residential customers on a voluntary, experimental basis for residential electric service. Availability is restricted to customers served by the circuits designated for the Company's gridSMARTSM program. Customers taking service under Schedule CPP are not eligible for this rider. This rider will be in effect for a minimum of one (1) year.

For non-owner occupied dwellings, the Company may require permission from the owner to install auxiliary communicating equipment, smart thermostat device, or load control switch. Customers will not be eligible for this rider if the owner does not allow installation of the equipment.

The customer may chose to participate in the electric cooling unit program only. Customers participating in the electric cooling unit program may also choose to participate in the electric water heating unit control, electric pool pump or electric hot tub programs.

Service under this rider is limited based upon the availability of smart thermostat devices and load control switch devices. The Company plans to have approximately 8,500 smart thermostat devices in total to distribute in the gridSMARTSM area for all programs. The Company plans to have a total of 1,000 load control switches available for the electric water heating unit, pool pump, or hot tub program. At the Company's option, this rider may be made available to additional customers. Upon request by the Company and approval by the Commission in a future filing, additional customers may be responsible for the Commission-approved cost of the smart thermostat device and load control switch.

Program Description

To participate, customers must allow the Company, or its authorized agents, to install a smart thermostat device, load control switch(es) and, if necessary, auxiliary communicating devices to control the customer's central electric cooling unit(s) and / or electric water heater unit(s), pool pump(s), or hot tub(s). All such devices shall be installed at a time that is consistent with the orderly and efficient deployment of this program.

The Company will utilize the smart thermostat device and the load control switch(es) to reduce customer's energy use during load management events. The smart thermostat device may employ either a temperature setback or cycling methodology.

Under a temperature setback methodology, the Company may increase the preset temperature on the customer's thermostat by no more than four (4) degrees during load management events.

Under a cycling methodology, the Company may cycle off the central electric cooling unit(s) generally for up to one-half of every hour of a load management event.

The load control device will switch off the electric water heating unit, pool pump, and/or hot tub during a load management event.

Filed pursuant to Orders dated _____ in Case No. 13-1937-EL-ATA

Issued: _____

Issued by
Rajagopalan Sundararajan , President
AEP Ohio

Effective: _____

P.U.C.O. NO. 20

Rider DLC
(Experimental Direct Load Control Rider)

Company planned load management events shall not exceed five (5) hours per day. Such non-emergency load management events shall not exceed 15 events and shall occur only during the months of May through September between Noon and 8 pm.

Electric water heating units and hot tubs would be subject to 15 additional non-emergency load management events during the months of October through April between 5 am and 11 pm.

For emergency purposes, load management events shall not exceed 10 events per PJM planning year (June through May) and not last longer than six (6) hours duration. Emergencies shall be determined by PJM as defined in PJM Manual 13 – Emergency Operations. Emergency load management events can only occur between Noon and 8 pm on weekdays during May through September and 2 pm to 10 pm on weekdays during October through April.

Rate Credit

Electric Cooling Unit (Summer Only)

Customers taking service under Schedules R-R, RLM, RS-ES, RS-TOD, and RS-TOD2 shall receive the following monthly billing credits in June through October for each electric cooling unit controlled during the calendar months of May through September:

- \$ 8.00 for any calendar month where the customer does not override an event signal
- \$ 4.00 for any calendar month where the customer overrides one (1) event signal
- \$ 0.00 for any calendar month where the customer overrides more than one (1) event signal

Customers taking service under Schedule R-R-1 shall receive the following monthly billing credits in June through October for each electric cooling unit controlled during the calendar months of May through September:

- \$ 3.00 for any calendar month where the customer does not override an event signal
- \$ 1.50 for any calendar month where the customer overrides one (1) event signal
- \$ 0.00 for any calendar month where the customer overrides more than one (1) event signal

Pool Pump (Summer Only)

Residential customers shall receive a \$6.00 billing credit per month in June through October for each pool pump controlled during the calendar months of May through September.

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AEP Ohio

Effective: _____

P.U.C.O. NO. 20

Rider DLC
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Electric Water Heating Unit and Hot Tub (Year-Round)

Residential customers shall receive the following monthly billing credits for each electric water heating unit or hot tub controlled:

Electric Water Heating Unit	\$ 1.00 per calendar month
Hot Tub	\$ 2.00 per calendar month

Such credits shall not reduce the customer's bill below the minimum charge as specified in the schedule under which the customer takes service.

Equipment

The Company will furnish and install, in the customer's presence, a smart thermostat device, load control switch(es) and, if necessary, an auxiliary communicating device inside the customer's residence. All equipment will be owned and maintained by the Company until such time as the experimental direct load control program is discontinued or the customer requests to be removed from the program after completing the initial mandatory period of one (1) cooling season (May through September) for electric cooling units and pool pumps or one (1) year for electric water heating units and hot tubs. At that time, ownership of the smart thermostat will transfer to the customer and the auxiliary communicating device will be picked up or returned to the Company at the Company's expense in good working order. The customer is not required to pay a deposit for this equipment; however, failure to return the auxiliary communicating device in good working order may result in additional charges in the amount of the current prevailing cost of the auxiliary equipment.

Should the customer lose or damage the smart thermostat device, load control switch(es) or auxiliary communicating equipment, the customer will be responsible for the cost of repairing or replacing the device(s). If the device(s) malfunctions through no fault of the customer, the Company will replace or repair the device(s) at its expense.

Contract

Electric Cooling Unit and Pool Pump

Participating customers must agree to participate for an initial period of one (1) cooling season (May through September) and thereafter may discontinue participation by contacting the Company.

Electric Water Heating Unit and Hot Tub

Participating customers must agree to participate for an initial period of one (1) year and thereafter may discontinue participation by contacting the Company.

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Rajagopalan Sundararajan , President
AEP Ohio

Effective: _____

P.U.C.O. NO. 20

Rider DLC
(Experimental Direct Load Control Rider)

Special Terms and Conditions

This Rider is subject to the Company's Terms and Conditions of Service and all provisions of the schedule under which the Customer takes service, including all payment provisions.

The Company shall not be required to install load management equipment if the installation cannot be justified for reasons such as: technological limitations, safety concerns, or abnormal utilization of equipment, including vacation or other limited occupancy residences.

The Company and its authorized agents shall be permitted access to the customer's premises during normal business hours to install, inspect, test, or maintain the load management device(s). The Company shall also be allowed access to the customer's premise to repair or remove faulty load management device(s).

The Company shall collect data during the course of this experiment. Customer-specific information will be held as confidential and data presented in any analysis will protect the identity of the individual customer.

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Rajagopalan Sundararajan , President
AEP Ohio

Effective: _____

CERTIFICATE OF SERVICE

In accordance with Rule 4901-1-05, Ohio Administrative Code, the PUCO's e-filing system will electronically serve notice of the filing of this document upon the following parties. In addition, I hereby certify that a service copy of the foregoing *Amended Application* was sent by, or on behalf of, the undersigned counsel to the following parties of record this 16th day of June 2020, via electronic transmission.

/s/ Steven T. Nourse

Steven T. Nourse

EMAIL SERVICE LIST

Terry.Etter@occ.ohio.gov;
Maureen.willis@occ.ohio.gov;
tdougherty@theOEC.org;

Attorney Examiners

Sarah.Parrot@puc.state.oh.us;
Jonathan.tauber@puc.state.oh.us

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Case No(s). 13-1937-EL-ATA

Summary: Amended Application - Amended Application of Ohio Power Company electronically filed by Mr. Steven T Nourse on behalf of Ohio Power Company