FirstEnergy

76 South Main St.
Akron, Ohio 44308

April 30, 2021

Ms. Tanowa Troupe
Commission Secretary
The Public Utilities Commission of Ohio
180 East Broad Street
Columbus, OH 43215

SUBJECT: Case No. 20-1670-EL-RDR
89-6008-EL-TRF

Dear Ms. Troupe:

In response to and compliance with the Commission's Orders in Case No. 14-1297-EL-SSO (ESP IV) dated March 31, 2016 and May 25, 2016, please file the attached tariff pages on behalf of The Toledo Edison Company. These tariff pages reflect changes to Riders RTP, CPP and HLF and their associated pages and associated workpapers.

By filing these tariffs, The Toledo Edison Company is not relinquishing or otherwise diminishing its right to withdraw the ESP IV as permitted under R.C. 4928.143.

Please file one copy of the tariffs in Case No. 20-1670-EL-RDR and one copy in Case No. 89-6008-EL-TRF, and provide two copies to the Staff. Thank you.

Sincerely,

Santino L. Fanelli

Santino L. Fanelli
Director, Rates & Regulatory Affairs

Calculation of Summer Midday Peak Pricing Under Rider CPP*

	(A)	(B)	(C)	(D)	(E)
	Rate GS	TOD Option	Rider CPP		
			CPP Days	Other Days	Total
(1)	Days	66	10	56	66
(2)	Hours / Day	6	6	6	
(3)	Total Hours	396	60	336	396
(4)	Price ($ / kWh)	$0.064995	$0.192000	$0.042328	
(5)	Revenue	$25.74	$11.52	$14.22	$25.74

NOTES

(1) Estimated number of Midday Peak days in a summer. Column C assumes the maximum number of days with Critical Peak Pricing Hours in a given summer.
(2) Number of Midday Peak hours each day
(3) Calculation: Line 1 x Line 2
(4) Column B - Summer Midday Peak price for the GS Time-of-Day Option under Rider GEN.
Column C - Calculation: Line 5 / Line 3.
Column D - Summer Shoulder Peak price for the GS Time-of-Day Option under Rider GEN.
(5) Column B - Calculation: Line 3 x Line 4
Column C - Calculation: Column B - Column D.
Column D - Calculation: Line 3 x Line 4
Revenue calculations assume constant 1 kWh consumption during all hours.

* The capacity pricing under Rider CPP is the same as Rider GEN, therefore the above workpaper only includes the energy charges of Rider CPP.

** Customers taking service under the experimental critical peak pricing rider will pay the shoulder peak price from the Time of Day Option under Rider GEN during summer midday peak hours, excluding Critical Peak Pricing Hours in which case these customers will pay the Midday-Peak CPP charge.

Calculation of Fixed Charges Under Rider RTP

I. Calculation of Weighted Average Forecasted LMP

(A)	(B)	(C)	(D)	(E)	(F)
Procurement		No. of Tranches	Delivery Period	Forecasted LMP ($ / MWH)	
No.	Date			Summer	Winter
1	October 7, 2019	17	June 2020 - May 2022	[redacted]	
2	January 28, 2020	17	June 2020 - May 2022		
3	October 5, 2020	33	June 2021 - May 2022		
4	January 26, 2021	33	June 2021 - May 2022		
		100			

Weighted Average Forecasted LMP ($ / MWH) *	**$26.73**	**$27.80**

NOTES

(A) - (D) Procurement schedule for the Blended Competitive Bid Price for the delivery period June 2021 - May 2022.

(E) Market forward round-the-clock summer LMPs observed at the time of the various solicitations for the delivery period June 2021 - May 2022.

(F) Market forward round-the-clock winter LMPs observed at the time of the various solicitations for the delivery period June 2021 - May 2022.

* The Weighted Average Forecasted LMP for a given Delivery Period is equal to the average forecasted round-the-clock seasonal LMPs that were observed at the time of the various solicitations for the portion of the delivery period that the corresponding retail rate will be in effect, weighted by the number of tranches from each applicable procurement.

II. Calculation of Fixed Charges

(G)	(H)	(I)	(J)	(K)	(L)	(M)
Rate	Forecasted LMP ($ / kWh)		Rider GEN SSO (incl capacity)		Rider RTP Fixed Charge	
Schedule	Summer	Winter	Summer	Winter	Summer	Winter
GS	$0.026728	$0.027799	$0.056316	$0.048672	$0.029588	$0.020873
GP	$0.026728	$0.027799	$0.053481	$0.046103	$0.026753	$0.018304
GSU	$0.026728	$0.027799	$0.049511	$0.042340	$0.022783	$0.014541
GT	$0.026728	$0.027799	$0.047714	$0.040550	$0.020986	$0.012751

NOTES

(H) - (I) Weighted Average Forecasted LMP from Section I above.

(J) - (K) Seasonal Total Energy and Capacity Charges from Rider GEN ($ / kWh)

(L) Calculation: Column J - Column H ($ / kWh)

(M) Calculation: Column K - Column I ($ / kWh)

Calculation of Fixed Charges Under Rider RTP

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Schedule	Summer	Winter	Summer	Winter	Summer	Winter
GS	$0.026728	$0.027799	$0.056257	$0.048613	$0.029529	$0.020814
GP	$0.026728	$0.027799	$0.051977	$0.044599	$0.025249	$0.016800
GSU	$0.026728	$0.027799	$0.050090	$0.042919	$0.023362	$0.015120
GT	$0.026728	$0.027799	$0.044053	$0.036889	$0.017325	$0.009090

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(L) Calculation: Column J - Column H ($ / kWh)

(M) Calculation: Column K - Column I ($ / kWh)

Calculation of Fixed Charges Under Rider RTP

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II. Calculation of Fixed Charges

(G)	(H)	(I)	(J)	(K)	(L)	(M)
Rate Schedule	Forecasted LMP ($ / kWh)		Rider GEN SSO (incl capacity)		Rider RTP Fixed Charge	
	Summer	Winter	Summer	Winter	Summer	Winter
GS	$0.026728	$0.027799	$0.056911	$0.049267	$0.030183	$0.021468
GP	$0.026728	$0.027799	$0.052358	$0.044980	$0.025630	$0.017181
GSU	$0.026728	$0.027799	$0.047544	$0.040373	$0.020816	$0.012574
GT	$0.026728	$0.027799	$0.047949	$0.040785	$0.021221	$0.012986

NOTES

(H) - (I) Weighted Average Forecasted LMP from Section I above.

(J) - (K) Seasonal Total Energy and Capacity Charges from Rider GEN ($ / kWh)

(L) Calculation: Column J - Column H ($ / kWh)

(M) Calculation: Column K - Column I ($ / kWh)

RATE CALCULATION FOR RIDER HLF (June 2021 - May 2022)

(1) **Capacity Charge Calculation**
(2)

(3)	Capacity ($/MW-Day)	$150.00	Source: Case No. 14-1297-EL-SSO
(4)	Load Factor	[redacted]	Based on wholesale sales [1] and PLC Contribution [2]
(5)	Annual Capacity ($/MWH)	$12.69	Calculation: Ln 3 x 365 / 8,760 / Ln 4
(6)			
(7)	Summer Midday Peak Hours	396	Applicable hours for 2021/22 delivery year
(8)	Summer Midday Peak Capacity ($/MWH)	$138.26	Calculation: Ln 5 x 8,760 / Ln 7 x Ln 4
(9)			

	Rate Schedule	Loss Factor	Rate ($/kWh)	
(10)				
(11)	Rate GS	0.0628	$0.147909	Calculation: Ln 8 / (1 - LF) / (1 - CAT) / 1,000; CAT = 0.26%
(12)	Rate GP	0.0291	$0.142775	Calculation: Ln 8 / (1 - LF) / (1 - CAT) / 1,000; CAT = 0.26%

(13) **Energy Charge Calculation**
(14)

	Auction Price ($/MWH)		
(15)			
(16)	Total	$46.46	Source: Blended CBP clearing price for 2021/22 delivery year[3]
(17)	Capacity	$12.69	Source: Line 5
(18)	Energy	$33.77	Calculation: Ln 16 - Ln 17
(19)			

	Rate Schedule	Loss Factor	Auction Costs ($/kWh) [4]	Energy Charge ($/kWh) *
(20)				
(21)	Rate GS	0.0628	$0.000168	$0.036294
(22)	Rate GP	0.0291	$0.000168	$0.035040

* Calculation: [(Line 18) / (1 - Loss Factor) / (1 - CAT) / 1,000] + Auction Costs; CAT = 0.26%

(23) **Total Rider HLF Charge ($/kWh)**
(24)

	Rate Schedule	Summer Midday *	All Other Hours **	
(25)				
(26)	Rate GS	$0.184203	$0.036294	* Line 11 Rate ($/kWh) + Line 21 Energy Charge ($/kWh)
(27)	Rate GP	$0.177815	$0.035040	* Line 12 Rate ($/kWh) + Line 22 Energy Charge ($/kWh)

** Source: Energy Charge from lines (21) and (22)

Note(s):
1 Source: 2021/22 Rider GEN Workpapers - Case No. 21-0237-EL-RDR - Pg 6 (Total OH Wholesale kWh Sales / 1,000)
2 Source: 2021/22 Rider GEN Workpapers - Case No. 21-0237-EL-RDR - (Pg 4, Ln 13, (Col D - Col H)) x (Pg 4, Ln 1 Col K)
3 Source: 2021/22 Rider GEN Workpapers - Case No. 21-0237-EL-RDR - Pg 2, Ln 5 (Blended Competitive Bid Price)
4 Source: 2021/22 Rider GEN Workpapers - Case No. 21-0237-EL-RDR - Pg 8, Ln 11 ($/kWh (grossed up for CAT))

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RIDER RTP
Experimental Real Time Pricing Rider

RTP Energy Charge:

The RTP Energy Charge (RTPEC) is equal to the customers hourly energy usage applied to the hourly energy price quotes made publicly available by PJM, as defined in the LMP_t definition below.

The RTPEC is calculated as follows:

$$RTPEC = \sum_{t=1}^{n} (kWh_t \times LMP_t)$$

Where:

kWh_t	=	Customer's kilowatt-hour usage in hour t
t	=	An hour in the billing period
n	=	Total number of hours in the billing period
LMP_t	=	the "Day-Ahead" Locational Marginal Price, or "LMP" in hour t as defined and specified by PJM at the appropriate pricing node, as this node may be changed or superseded from time to time by PJM. In the event there is an error in the LMP reported by PJM, the Company shall apply such prices as corrected by PJM in monthly billings.

The Company shall not be responsible for failure of the customer to receive and act upon market based quotes. The customer is responsible for its access to the Internet for access to PJM pricing.

RTP Fixed Charges:

The following RTP Fixed Charges will apply, by rate schedule, for all kWhs per kWh:

	Summer	Winter
GS	3.0183¢	2.1468¢
GP	2.5630¢	1.7181¢
GSU	2.0816¢	1.2574¢
GT	2.1221¢	1.2986¢

For billing purposes, the winter rates shall be applicable during each winter billing period as defined in the Electric Service Regulations. The summer rates shall apply in all other billing periods.

RIDER CPP
Experimental Critical Peak Pricing Rider

AVAILABILITY:

This Rider is not available to customers during the period the customer takes electric generation service from a certified supplier. This Rider is not available to customers during the period the customer is taking service under Rider ELR, Rider HLF, or Rider RTP.

The Experimental Critical Peak Pricing Rider (CPP) shall be applied in lieu of the Generation Service Rider (GEN) to customers participating in this voluntary experimental program.

The CPP Charge shall reflect time-of-day pricing, for all kWh per kWh, for both Summer and Winter seasons, as shown below:

RATE:

In addition to any other charges under all other rate schedules applicable to customer's service, exclusive of Rider GEN, customers taking service under this Rider shall also pay the charges set forth below:

Charges:

Program Administrative Charge: $37.50 per month

Capacity Charges	Summer			Winter		
	Midday Peak	Shoulder Peak	Off-Peak	Midday Peak	Shoulder Peak	Off-Peak
GS	1.5824¢	1.5824¢	1.5824¢	1.5824¢	1.5824¢	1.5824¢
GP	1.2692¢	1.2692¢	1.2692¢	1.2692¢	1.2692¢	1.2692¢
GSU	0.8989¢	0.8989¢	0.8989¢	0.8989¢	0.8989¢	0.8989¢
GT	0.9432¢	0.9432¢	0.9432¢	0.9432¢	0.9432¢	0.9432¢

Energy Charges	Summer			Winter		
	Midday Peak	Shoulder Peak	Off-Peak	Midday Peak	Shoulder Peak	Off-Peak
GS	4.2328¢	4.2328¢	3.2497¢	5.0305¢	3.8546¢	2.5152¢
GP	4.0864¢	4.0864¢	3.1373¢	4.8567¢	3.7215¢	2.4284¢
GSU	3.9719¢	3.9719¢	3.0495¢	4.7207¢	3.6173¢	2.3604¢
GT	3.9680¢	3.9680¢	3.0465¢	4.7161¢	3.6137¢	2.3580¢

Midday-peak time shall be noon to 6 p.m. EST, Monday through Friday, excluding holidays.

Shoulder-peak time shall be 6 a.m. to noon and 6 p.m. to 10 p.m. EST, Monday through Friday, excluding holidays.

Holidays are defined as New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. Off-Peak shall be all other hours.

RIDER CPP
Experimental Critical Peak Pricing Rider

For billing purposes, the winter rates shall be applicable during each winter billing period as defined in the Electric Service Regulations.. The summer rates shall apply in all other billing periods.

* With day-ahead notification by the Company, the applicable Midday-Peak CPP Charge shall change to 19.2000¢ per kWh for up to 10 days for a period of 6 hours each day, noon to 6 p.m. EST, during the summer as determined by the Company ("Critical Peak Pricing Hours").

METERING:

The customer must arrange for interval metering consistent with the Company's Miscellaneous Charges, Tariff Sheet 75.

NOTIFICATION:

Customers served under this Rider shall be provided notification of Critical Peak Pricing Hours by the Company. Customers shall be provided clock times of the beginning and ending of Critical Peak Pricing Hours. Receipt of notifications of Critical Peak Pricing Hours shall be the sole responsibility of the customer.

Notification of Critical Peak Pricing Hours consists of an electronic message issued by the Company to a device or devices such as telephone, facsimile, pager or email, selected and provided by the customer and approved by the Company. Two-way information capability shall be incorporated by the Company and the customer in order to provide confirmation of receipt of notification messages. Operation, maintenance and functionality of such communication devices selected by the customer shall be the sole responsibility of the customer.

TERM:

This Rider shall expire with service rendered through May 31, 2024.

A customer may terminate its participation in this Rider, effective with the next scheduled meter reading following at least 12 days notice to the Company by the customer. Customers who withdraw from participation in this Rider may not return to this Rider at any time.

RIDER HLF
Commercial High Load Factor Experimental Time-of-Use Rider

AVAILABILITY:

Available to qualifying commercial customers with headquarters located in Ohio having at least 30 facilities in the Companies' combined service territory with each facility consuming at least 1,500,000 kWh annually and having refrigeration as a major portion of the load. In addition, each individual facility must have interval metering, must have an average monthly load factor during the preceding 12 months of 70% or higher, and must otherwise be served under the Companies' Rate GS or Rate GP rate schedules. Once a facility qualifies for the Commercial High Load Factor Experimental Time-of-Use Rider (HLF) and is enrolled in Rider HLF, that facility may remain on Rider HLF notwithstanding any subsequent change in the load characteristics of the facility or reduction in energy consumption by the facility.

Rider HLF shall be applied in lieu of the Generation Service Rider (GEN), effective for service rendered beginning June 1, 2021, for customers participating in this voluntary experimental program.

RATE:

For customers with the appropriate qualifying interval metering and who elect to be served under Rider HLF, the charge by rate schedule will be as shown below, for all kWhs, per kWh:

Rider HLF Charges

	Summer Midday Peak Hours	All Other Hours
Rate GS	18.4203¢	3.6294¢
Rate GP	17.7815¢	3.5040¢

For billing purposes, the summer rates shall be applicable during each summer billing period as defined in the Electric Service Regulations.

Midday-peak time shall be noon to 6 p.m. EST, Monday through Friday, excluding holidays.

Holidays are defined as New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

METERING:

The customer must arrange for interval metering consistent with the Company's Miscellaneous Charges, Tariff Sheet 75.

TERM:

This Rider shall expire with service rendered through May 31, 2024.

This foregoing document was electronically filed with the Public Utilities

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in

Case No(s). 89-6008-EL-TRF, 20-1670-EL-RDR

Summary: Tariff Update to Riders RTP CPP and HLF electronically filed by Karen A Sweeney on behalf of The Toledo Edison Company and Fanelli, Santino L. Mr.