Site Address: Ohio Turnpike Toll Booth 145

What date would you have replaced your

Principal Address: State Route 57

Project No.	Project Name	Narrative description of your program including, but not limited to, make, model, and year of any installed and replaced equipment:	Description of methodologies, protocols and practices used in measuring and verifying project results	equipment if you had not replaced your equipment if you had not replaced it early? Also, please explain briefly how you determined this future replacement date.	Please describe the less efficient new equipment that you rejected in favor of the more efficient new equipment.
1	Toll Booth 145 Exterior LED Lighting Upgrades	The old sixtythree 1000W MH exterior high mast light fixtures were replaced with thritythree LED High Mast Lighting fixtures by Holophane/Acuity, along with twentyone 450W MH fixtures replaced by LEDs.	FirstEnergy lighting calculator used for calculating kWh savings.	N/A	Replacing the existing 1000W MH lamps & ballasts with the same was considered but rejected in place of the long life & brightness of LEDS fixtures.

Docket No. 20-1431 Site: State Route 57 Customer Legal Entity Name: Ohio Turnpike and Intrastructure Commission

Site Address: Ohio Turnpike Toll Booth 145

Principal Address: State Route 57

Weather Adjusted Usage with Energy Efficiency Addbacks, kwh Unadjusted Weather Adjusted Usage, kwh (A) Usage, kwh (B) (c) Note 1

2019 600,000 600,000 600,000

600,000 600,000 600,000 Average

Project Number	Project Name	In-Service Date	Project Cost \$	50% of Project Cost \$	KWh Saved/Year (D) counting towards utility compliance	KWh Saved/Year (E) eligible for incentive		Prescriptive Rebate Amount (G) \$	Eligible Rebate Amount (H) \$ Note 2	Commitment Payment \$
1	Toll Booth 145 Exterior LED Lighting Upgrades	08/01/2020	\$56,421	\$28,211	207,545	207,545	-	\$8,278	\$6,209	
					-	-	-			
							-			
					-	-	-			
					-	-	-			
					-	-	-			
					-	-	-			
		Total	\$56,421		207,545	207,545	0	\$8,278	\$6,209	\$0

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⁽¹⁾ Customer's usage is adjusted to account for the effects of the energy efficiency programs included in this application. When applicable, such adjustments are prorated to the in-service date to account for partial year savings.

(2) The eligible rebate amount is based upon 75% of the rebates offered by the FirstEnergy Commercial and Industrial Energy Efficiency programs, not to exceed the lesser of 50% of the project cost or \$250,000 per project. Combined Heat & Power (CHP) projects are not subject to the \$250,000 project rebate cap.

Exhibit 3

UCT = Utility Avoided Costs / Utility Costs

Project	Utility Avoided Cost \$	Utility Cost \$	Cash Rebate \$	Administrator Variable Fee \$	Total Utility Cost \$	UCT
	(A)	(B)	(C)	(D)	(E)	(F)
1	\$ 102,994	\$ 4,050	\$ 6,209	\$2,075	\$ 12,334	8.4

Total	102,994	4,050	6,209	\$2,075	12,334	8.4

Notes

- (A) Represents NPV of avoided energy and capacaity costs over a 10 year life multiplied by the annual project savings.
- (B) Represents the utility's costs incurred for self-directed mercantile applications for applications filed and applications in progress. Includes incremental costs of legal fees, fixed administrative expenses, etc.
- (C) This is the amount of the Rebate Payment paid to the customer for this
- (D) Based on approximate Administrator's variable compensation for purposes of calculating the UCT, actual compensation may be less.
- (E) = (B) + (C) + (D)
- (F) = (A) / (E)

Ohio Turnpike and Intrastructure Commission ~ Ohio Turnpike Toll Booth 145

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