FILED
January 27, 2021
INDIANA UTILITY
REGULATORY COMMISSION

STATE OF INDIANA

INDIANA UTILITY REGULATORY COMMISSION

PETITION OF THE CITY OF CRAWFORDSVILLE, INDIANA, BY AND THROUGH ITS MUNICIPAL ELECTRIC UTILITY, CRAWFORDSVILLE ELECTRIC LIGHT AND POWER, FOR APPROVAL OF A NEW SCHEDULE OF RATES AND CHARGES FOR ELECTRIC SERVICE AND FOR APPROVAL TO MODIFY ITS ENERGY COST ADJUSTMENT PROCEDURES	)	**CAUSE NO. 45420**

PRE-FILED VERIFIED SETTLEMENT TESTIMONY OF

LAURIE A. TOMCZYK

AND ATTACHMENTS LAT-6 THROUGH LAT-8

ON BEHALF OF PETITIONER

CRAWFORDSVILLE POWER & LIGHT

PETITIONER'S EXHIBIT NO. 12

JANUARY 27, 2021

Respectfully Submitted,

Kristina Kern Wheeler, #20957-49A
Nikki Gray Shoultz, #16509-41
Bose McKinney & Evans LLP
111 Monument Circle, Suite 2700
Indianapolis, IN 46204
(317) 684-5000
(317) 684-5173 Fax
kwheeler@boselaw.com
nshoultz@boselaw.com
Counsel for Petitioner, CEL&P

Table of Contents

I. INTRODUCTION

Q1. ARE YOU THE SAME LAURIE A. TOMCZYK THAT SUBMITTED DIRECT TESTIMONY IN THIS PROCEEDING ON BEHALF OF CRAWFORDSVILLE ELECTRIC LIGHT & POWER ("CEL&P")?

A. Yes.

Q2. WHAT ARE THE PURPOSES OF YOUR SETTLEMENT TESTIMONY?

A. The purpose of my settlement testimony are to support the terms of the Stipulation and Settlement Agreement ("Settlement") between CEL&P and the Indiana Office of the Utility Consumer Counselor ("OUCC") related to the following:

1) Present a revised ECA tracker model to reflect the proposed changes to the General Power ("GP") and Municipal General Power ("MGP") classes as addressed in Mr. Mancinelli's settlement testimony.
2) Present revised LED fixture charges for streetlighting and outdoor lighting based on the updated cost of service and rate design presented in Mr. Mancinelli's settlement testimony.
3) Present revised electric vehicle ("EV") charging rates based on the new rate design for the GP–Large class and cost-of-service study as presented in Mr. Mancinelli's settlement testimony.
4) Identify the non-recurring changes for Settlement purposes.

Q3. WHAT ADDITIONAL ATTACHMENTS ARE YOU SPONSORING AS PART OF YOUR SETTLEMENT TESTIMONY?

A. I am sponsoring the following additional attachments:

1) Attachment LAT-6 – Revised ECA Model

2) Attachment LAT-7 – Calculation of Settlement LED Fixture Charges

3) Attachment LAT-8 – Calculation of Settlement EV Charging Rates

Q4. WERE THESE ATTACHMENTS PREPARED BY YOU OR UNDER YOUR SUPERVISION?

A. Yes.

II. REVISIONS TO CEL&P'S ECA MODEL

Q5. WHY ARE YOU PROPOSING CHANGES TO THE ECA MODEL THAT YOU INCLUDED AS AN ATTACHMENT TO YOUR DIRECT TESTIMONY IN THIS CAUSE?

A. I am proposing changes to the ECA model to (i) reflect revisions that have been made to proposed base rates for Settlement purposes as discussed in Mr. Mancinelli's settlement testimony; and (ii) incorporate the production demand and energy allocators from the Settlement cost-of-service study.

Q6. WHAT ARE THE PROPOSED CHANGES TO BASE RATES FOR PURPOSES OF SETTLEMENT THAT SHOULD BE REFLECTED IN THE ECA MODEL?

A. In its original application in this cause, CEL&P proposed to merge their existing GP and MGP rate structures and introduce demand charges to GP and MGP customers with demands from zero to 50 kW. As discussed in Mr. Mancinelli's settlement testimony, all GP and MGP customers with demands up to 10 kW are being combined into a new GP class with no demand charge. Also, all GP and MGP customers with demands above 10 kW and up to 50 kW are being placed into a new General Power – Large ("GP-Large") class. This class will have a demand charge.

Q7. WHAT CORRESPONDING CHANGES DID YOU MAKE TO THE ECA MODEL?

A. The ECA model included as an attachment to my direct testimony in this cause calculated the following ECA rates:

1) Residential Service: $/kWh
2) General Power and Municipal General Power: $/kW and $/kWh
3) Primary Power: $/kVA and $/kWh
4) Outdoor Lighting: $/kWh
5) Street Lighting: $/kWh
6) Traffic Lighting: $/kWh

I modified the ECA model for purposes of settlement so that separate ECA rates are calculated for the GP class and GP-Large classes. The ECA rates for the GP class do not include a demand charge, but the ECA rates for the GP-Large class do include a demand charge. Therefore, the ECA model included as Attachment LAT-6 to my settlement testimony calculates the following ECA rates:

1) Residential Service: $/kWh
2) General Power: $/kWh
3) General Power-Large: $/kW and $/kWh
4) Primary Power: $/kVA and $/kWh
5) Outdoor Lighting: $/kWh
6) Street Lighting: $/kWh
7) Traffic Lighting: $/kWh

III. SETTLEMENT LED LIGHTING RATES

Q8. WHY DID YOU REVISE THE LED LIGHTING RATES PROPOSED IN YOUR DIRECT TESTIMONY?

A. The methodology used to calculate the proposed LED lighting rates in my direct testimony used as inputs the lighting cost of service results and the proposed non-LED lighting rates. As discussed in Mr. Mancinelli's settlement testimony, both the cost of service and non-LED lighting rates were revised for Settlement purposes.

Q9. GENERALLY, HOW WERE THE SETTLEMENT FIXTURE CHARGES FOR NON-LED LIGHTS SHOWN IN MR. MANCINELLI'S ATTACHMENT JAM-8 DETERMINED?

A. For non-LED lights, across-the-board adjustments were made to current fixture charges for the Street Lighting, Outdoor Lighting, and Traffic Signals classes based on the revenue targets by phase-in period as identified for these classes as part of the overall Settlement rate design. These revenue targets are discussed in Mr. Mancinelli's settlement testimony on rate design and shown in Attachment JAM-8.

Q10. GENERALLY, HOW WERE THE PROPOSED FIXTURE CHARGES FOR STREETLIGHT LED LIGHTS DEVELOPED?

A. The following table summarizes the approach used to design the proposed LED streetlight rates. More details are provided in Attachment LAT-7. First, the per fixture operating costs for the HPS streetlights by wattage and the equivalent LED streetlights by equivalent wattage were calculated based on the Settlement cost of service results in Attachment JAM-7. These operating costs are shown in Lines 1 and 2 of following table.

Table LAT-1
Settlement LED Streetlighting Fixture Charges

Line No.	HPS Streetlights / Equivalent LED Streetlights	$/Fixture 100 W HPS 47 W LED	250 W HPS 81 W LED	400 W HPS 142 W LED
1	HPS COS SL Operating Costs	$ 10.91	$ 12.05	$ 13.89
2	Equity LED COS SL Operating Costs	$ 9.26	$ 9.84	$ 10.80
3	Difference (LED SL Costs Minus HPS SL Costs)	$ (1.65)	$ (2.21)	$ (3.09)
4	Settlement HPS SL Fixture Charges	$ 5.95	$ 24.12	$ 39.44
5	Less Difference in LED SL vs HPS SL Operating Costs	$ (1.65)	$ (2.21)	$ (3.09)
6	Settlement LED SL Fixture Charges	$ 4.30	$ 21.92	$ 36.35

The differences in operating costs for the LED and HPS streetlights were then calculated as shown in the above table on Line 3. These differences were then applied to the Settlement Phase 2 HPS streetlight fixture charges to determine the proposed LED streetlight fixture charges as shown in Lines 4 through 6 of the above table. Line 6 in the above table shows the proposed LED streetlighting fixture charges.

Q11. GENERALLY, HOW WERE THE PROPOSED FIXTURE CHARGES FOR LED OUTDOOR LED LIGHTING DEVELOPED?

A. A very similar rate design process was used for LED outdoor lights as for LED streetlights. The following table summarizes the approach used to design the settlement LED outdoor lighting rates. More details are provided in Attachment LAT-7. First, the per fixture operating costs for the HPS outdoor lights by wattage and the equivalent LED outdoor lights by equivalent wattage were calculated based on the Settlement cost of service results in Attachment JAM-7. These operating costs are shown in Lines 1 and 2 of following table.

Table LAT-2
Settlement LED Outdoor Lighting Fixture Charges

Line No.	HPS Outdoor Lights / Equivalent LED Outdoor Lights	A 100 W HPS 47 W LED	B $/Fixture 250 W HPS 81 W LED	C 400 W HPS 142 W LED
1	HPS COS OL Operating Costs	$ 3.82	$ 4.95	$ 6.78
2	Equity LED COS OL Operating Costs	$ 2.93	$ 3.51	$ 4.46
3	Difference (LED OL Costs Minus HPS OL Costs)	$ (0.89)	$ (1.45)	$ (2.32)
4	Settlement HPS OL Fixture Charges	$ 4.73	$ 12.21	$ 33.20
5	Less Difference in LED OL vs HPS OL Operating Costs	$ (0.89)	$ (1.45)	$ (2.32)
6	Settlement LED OL Fixture Charges	$ 3.84	$ 10.76	$ 30.88

The differences in operating costs for the LED and HPS outdoor lights were then calculated as shown in the above table on Line 3. These differences were then applied to the Settlement Phase 2 HPS outdoor lighting fixture charges to determine the Settlement LED streetlight fixture charges as shown in Lines 4 through 6 of the above table. Line 6 in the above table shows the Settlement LED outdoor lighting fixture charges.

IV. SETTLEMENT EV CHARGING RATES

Q12. WHY DID YOU REVISE THE EV CHARGING RATES ORIGINALLY PROPOSED BY CEL&P?

A. The EV charging rates originally proposed by CEL&P were designed to recover two general types of costs:

1) The costs of power supply, delivery, and customer/administrative service; and

2) The costs of certain other items specific to serving public EV charging stations.

To recover the costs of power supply, delivery, and administrative service, the EV rate design originally proposed by CEL&P was based on CEL&P's proposed GP base rates for commercial loads from zero to 50 kW in its original application. Because of the changes to

the GP base rate design as part of the Settlement, I have now based the costs of power supply, delivery, and administrative service in the revised EV charging rates on the Settlement base rates for the GP–Large class.

Q13. DID YOU MAKE ANY OTHER REVISIONS TO THE METHODOLOGY OR ASSUMPTIONS?

A. In the original methodology, the customer charge for the GP class was adjusted to remove costs for customer service and uncollectibles/forfeited discounts that are not considered to be applicable to the EV rate class. I made this same adjustment to the customer charge for the GP-Large class using the Settlement cost of service results. Otherwise, the methodology and assumptions for determining the EV rates have remained the same. The calculation of the Settlement EV rates is shown in Attachment LAT-8.

Q14. WHAT ARE THE RESULTING SETTLEMENT EV CHARGING RATES?

A. In accordance with CEL&P's overall phased-in approach to its Settlement rate increase, the following EV charging rates were developed for each phase:

1) Phase 1: $0.25170/kWh
2) Phase 2: $0.25468/kWh

V. SETTLEMENT NON-RECURRING CHARGES

Q15. WHAT NON-RECURRING CHARGES ARE RECOMMENDED FOR SETTLEMENT PURPOSES?

A. The recommended non-recurring charges for settlement purposes are the same charges shown in Attachment LAT-4 of my direct testimony for this cause.

VI. RECOMMENDATIONS

Q16. PLEASE PROVIDE A SUMMARY OF YOUR RECOMMENDATIONS.

A. I recommend that the IURC approve the following:

1) The Settlement ECA model in Attachment LAT-6.

2) The Settlement LED fixture charges for streetlighting and outdoor lighting as presented above in Tables LAT-1 and LAT-2.

3) The Settlement EV charging rates as shown above.

4) The non-recurring charges supported by Attachment LAT-4 of my direct testimony, and as reflected in the Settlement tariff presented as Mr. Mancinelli's Attachment JAM-9.

Q17. DOES THIS CONCLUDE YOUR SETTLEMENT TESTIMONY?

A. Yes.

VERIFICATION

I affirm under the penalties of perjury that the foregoing prefiled verified direct testimony is true to the best of my knowledge, information and belief as of the date here filed.

3997890_2

Crawfordsville Electric Light & Power

P.O. Box 428 • 808 Lafayette Road • Crawfordsville, IN 47933
Phone (765) 362-1900 • Fax (765) 364-8224 • www.celp.com
125 YEARS OF SERVICE

January 22, 2021

Via Electronic Filing – 30 Day Filings – Electric

FILED
August 19, 2020
INDIANA UTILITY
REGULATORY COMMISSION

Mary Becerra
Commission Secretary
Indiana Utility Regulatory Commission
101 West Washington St., Suite 1500 E
Indianapolis, IN 46204

RE: Crawfordsville Electric Light & Power
30 Day Filing Pursuant to 170 IAC 1-6-1 et seq.

Dear Ms. Becerra:

Enclosed please find documents in support of our filing for a 30 Day Filing by Crawfordsville Electric Light & Power pursuant to 170 IAC Rule 6. The purpose of our filing is to implement an average change in the rates for electric service charged by its supplier, Indiana Municipal Power Agency. This request is allowable pursuant to 170 IAC 1-6-3 of Rule 6 because it entails Cause # 36835-2 dated 12-13-1989: a filing for which the commission has already approved or accepted the procedure for the change.

Affected customers have been notified as required under 170 IAC 1-6-6. Notice was published in the Journal Review on _____ . In addition, the Legal Notice has been placed on the utility website rates page (www.celp.com) and has been posted in a public place in the Crawfordsville Electric Light & Power customer service office(s). The contact information, including every person who may need to be contacted, regarding this request is:

Mr. Phillip R. Goode
765-362-1900
808 Lafayette Road
P.O. Box 428
Crawfordsville, IN 47933-0428
765/364-8224 (fax) philg@celp.com

The proposed rate adjustment will apply to electric customer bills during the three months of July, August, and September 2021. The average residential customer using 860 kWh will see a of approximately $0 or 0%.

RE: Crawfordsville Electric Light & Power
30 Day Filing Pursuant to 170 IAC 1-6-1 et seq.

Attached are the applicable tariff sheets and/or all working papers supporting this filing. I verify that notice has been provided as stated in this letter and that this letter and the attached documents are true and accurate to the best of my knowledge, information and belief. Please feel free to contact our office if there are any questions concerning any of the documents provided. Thank you for your assistance with this 30 Day Filing.

Yours truly,

Phillip R. Goode
Manager

Attachments

Crawfordsville Electric Light & Power

P.O. Box 428 • 808 Lafayette Road • Crawfordsville, IN 47933
Phone (765) 362-1900 • Fax (765) 364-8224 • www.celp.com
125 YEARS OF SERVICE

January 22, 2021

Mr. Brad Borum
Indiana Utility Regulatory Commission
Electricity Division
101 W Washington St., Suite 1500 East
Indianapolis, IN 46204-3407

TO THE INDIANA UTILITY REGULATORY COMMISSION

1. Crawfordsville Electric Light & Power, 808 Lafayette Rd., Crawfordsville, Indiana, under and pursuant to the Public Service Commission Act, as amended, and Commission Order in Cause No. 36835-S3, hereby files with the Indiana Regulatory Commission for its approval, changes in the schedule of rates for electricity sold as follows:

Residential Service	Decrease of:	$	-	per kWh
General Power Service	Decrease of:	$	-	per kWh
General Power - Large Service	Decrease of:	$	-	per kW
	Decrease of:	$	-	per kWh
Primary Power Service	Decrease of:	$	-	per kVA
	Decrease of:	$	-	per kWh
Outdoor Lighting	Decrease of:	$	-	per kWh
Street Lighting	Decrease of:	$	-	per kWh
Traffic Lighting	Decrease of:	$	-	per kWh

2. The accompanying changes in the schedule of rates are based solely upon the changes in the cost of purchased power and energy, purchased by this utility computed in accordance with the Indiana Utility Regulatory Commission Order in Cause No. 36835-S3, dated December 13, 1989.

3. All of the matters and facts stated herein and in the attached exhibits are true and correct. If approved, this change of rate shall take effect for the bills to be rendered beginning with the July 2021 billing cycle.

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

BY:_____
Phillip R. Goode

PRG/kc
Enclosure

STATE OF INDIANA)
) SS:
COUNTY OF MONTGOMERY)

Personally appeared before me, a Notary Public in and for said county and state, this _____ day of _____2021, Phillip R. Goode, who after having been duly sworn according to law, stated that he or she is an officer of Crawfordsville Electric Light & Power, Crawfordsville, Indiana, that he or she has read the matters and facts stated above, and in all exhibits attached hereto, and that the same are true; that he or she is duly authorized to execute this instrument for and on behalf of the applicant herein.

Andrea McArthur
Notary Public
My County of Residence: Montgomery

My Commission Expires:
August 8, 2024

CRAWFORDSVILLE ELECTRIC LIGHT & POWER
Crawfordsville, Indiana

Proposed Rate Adjustment Applicable to the 3rd Quarter 2021
and Supporting Schedules

For use with rates approved under IURC Cause No. 44684
July, August, and September, 2021

LEGAL NOTICE

Crawfordsville Electric Light & Power has made a filing for a purchase power and energy tracking factor with the Indiana Utility Regulatory Commission in order to implement an average change in its rates for electric service charged by its supplier, Indiana Municipal Power Agency, pursuant to the Indiana Utility Regulatory Commission Order in Cause Number 36835-S3. The filing, if approved by the Commission, will be effective for energy consumed on or after the date of approval.

Rate RS	$	-	per kWh
Rate GP	$	-	per kWh
Rate GPL	$	-	per kW
Rate GPL	$	-	per kWh
Rate PP	$	-	per kVA
Rate PP	$	-	per kWh
Rate OL	$	-	per kWh
Rate SL	$	-	per kWh
Rate TS	$	-	per kWh

Applicable: July, August and September, 2021

Any objection to this filing may be addressed to the following:

Indiana Office of Utility Consumer Counselor (OUCC)
115 W. Washington St., Suite 1500 South
Indianapolis, IN 46204
Toll Free: 1-888-441-2494
Voice/TDD: (317) 232-2494
Fax: (317) 232-5923
www.in.gov/iurc

Indiana Utility Regulatory Commission (IURC)
101 W. Washington St., Suite 1500 East
Indianapolis, IN 46204
Toll Free: 1-800-851-4268
Voice/TDD: (317) 232-2701
Fax: (317) 233-2410
www.in.gov/iurc

CRAWFORDSVILLE ELECTRIC LIGHT & POWER
Crawfordsville, Indiana

Appendix A

Rate Adjustments

The Rate Adjustments shall be on the basis of a Purchase Power Cost Adjustment Tracking Factor occasioned solely by changes in the cost of purchased power and energy, in accordance with the Order of the Indiana Utility Regulatory Commission, approved December 13, 1989 in Cause No. 36835-S3, as follows:

Rate Adjustments applicable to the below listed Rate Schedules are as follows:

Residential Service (RS)	$	-	per KWH
General Power Service (GP)	$	-	per KWH
General Power - Large Service (GPL)	$	-	per KW
	$	-	per KWH
Primary Power Service (PP)	$	-	per KVA
	$	-	per KWH
Outdoor Lighting (OL)	$	-	per KWH
Street Lighting (SL)	$	-	per KWH
Traffic Lighting (TS)	$	-	per KWH

Applicable: July, August and September, 2021

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

Crawfordsville, Indiana

Appendix B

Rate Adjustments applicable to the below listed Rate Schedules are as follows:

Residential Service	RS	$	-	per KWH
General Power Service	GP	$	-	per KWH
General Power - Large Service	GPL	$	-	per KW
		$	-	per KWH
Primary Power Service	PP	$	-	per KVA
		$	-	per KWH
Outdoor Lighting	OL	$	-	per KWH
Street Lighting	SL	$	-	per KWH
Traffic Lighting	TS	$	-	per KWH

Average Change in Schedule of Rates:

Residential Service	RS	Decrease	$	-	per KWH
General Power Service	GP	Decrease	$	-	per KWH
General Power - Large Service	GPL	Decrease	$	-	per KW
		Decrease	$	-	per KWH
Primary Power Service	PP	Decrease	$	-	per KVA
		Decrease	$	-	per KWH
Outdoor Lighting	OL	Decrease	$	-	per KWH
Street Lighting	SL	Decrease	$	-	per KWH
Traffic Lighting	TS	Decrease	$	-	per KWH

Applicable: July, August and September, 2021

Exhibit I

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

DETERMINATION OF INCREMENTAL CHANGE IN BASE RATE

LINE NO.	DESCRIPTION			DEMAND RELATED	ENERGY RELATED	LINE NO.
1	BASE RATE EFFECTIVE	01-Jan-21	(a)	$26.217	$0.028875	1
2	BASE RATE EFFECTIVE	01-Jan-20	(b)	$22.957	$0.026390	2
3	INCREMENTAL CHANGE IN BASE RATE		(c)	$3.260	$0.002485	3

(a) IMPA rate effective for the period covered by this filing. The Base Rate includes the applicable Delivery Voltage Adjustment.
(b) Base purchased power rate including Voltage Adjustment effective at the time of the member's last approved rate case was filed or January 27, 1983, whichever is more recent.
(c) Line 1 - Line 2

Exhibit II

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

ESTIMATION OF SAVINGS FROM DEDICATED CAPACITY PAYMENTS
FOR THE THREE MONTHS OF:

Jul-21 Aug-21 Sep-21

LINE NO.	DESCRIPTION	DEMAND RELATED		LINE NO.
1	ESTIMATED MONTHLY GENERATING COSTS (h)	$0.00		1
2	LESS: MONTHLY GEN COSTS IN BASE RATES (i)	$0.00		2
3	EST GENERATING COSTS IN TRACKER (a)	$0.00		3
4	EST MONTHLY PAYMENT FROM IMPA (f)	$0.00		4
5	LESS: MONTHLY PAYMENTS IN BASE RATES (g)	$0.00		5
6	EST CAPACITY PAYMENTS IN TRACKER (b)	$0.00	NOT APPLICABLE	6
7	ESTIMATED MONTHLY COSTS/(SAVINGS) (c)	$0.00		7
8	ESTIMATED AVERAGE MONTHLY KW (d)	69,938		8
9	ESTIMATED COSTS/(SAVINGS) PER KW (e)	$0.0000		9

Note: The CEL&P Plant was sold as of 12/30/2013 - No cost is estimated for this quarter.
Approved as part of last CEL&P IURC Rate Case Cause #43773 dated 7/28/10.

(a) Line 1 - Line 2
(b) Line 4 - Line 5
(c) Line 3 - Line 6 Times The Number Of Years Since Last Cost Of Service Study
(d) Exhibit III, Column E, Line 1
(e) Line 7 divided by Line 8
(f) Capacity Payments Forecasted by Indiana Municipal Power Agency
(g) Average capacity payments for 12 months ending Month/Year
(h) Estimated Generating Costs (CEL&P no longer receives monthly payment.)
(i) Average generating cost for 12 months ending Month/Year

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

ESTIMATION OF ENERGY COST ADJUSTMENT
FOR THE THREE MONTHS OF:

LINE NO.	DESCRIPTION	Jul-21	Aug-21	Sep-21	TOTAL	ESTIMATED 3 MONTH AVERAGE	LINE NO.
		Jul-21 (A)	Aug-21 (B)	Sep-21 (C)	(D)	(E)	
	PURCHASED POWER FROM IMPA						
1	KW DEMAND	72,847	66,600	70,367	209,814	69,938	1
2	KWH ENERGY	40,201,261	37,570,660	34,754,299	112,526,220	37,508,740	2
	INCREMENTAL PURCHASED POWER COSTS						
	DEMAND RELATED						
3	ECA FACTOR PER KW	(3.260)	(3.260)	(3.260)		(3.260)	3
4	CHARGE (a)	($237,481.22)	($217,116.00)	($229,396.42)	($683,993.64)	($227,997.88)	4
	ENERGY RELATED						
5	ECA FACTOR PER KWH	(0.002485)	(0.002485)	(0.002485)		(0.002485)	5
6	CHARGE (b)	($99,900.13)	($93,363.09)	($86,364.43)	($279,627.66)	($93,209.22)	6

(a) Line 1 times Line 3
(b) Line 2 times Line 5

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

DETERMINATION OF DEMAND RATE ADJUSTMENT FOR RATE SCHEDULE PP
For the Three Months of: July, August, and September
2021

LINE NO.	Demand Related Adjustment Factors					LINE NO.
	Rate PP					
1	From Attachment B, Page 3 of 3, Column C, Line 4			$0.00		1
2	From Attachment B, Page 2 of 3, Column C, Line 4			41,326.60	kW	2
3	LIne 1 divided by Line 2		$	-		3
4	Line 3 multiplied by	78.939% *	$	-		4
5	Demand Related Rate Adjustment Factor		**$**	**-**	per KVA	5

* Average Power Factor of the PP class.

	Rate GPL					
1	From Page 3 of 3, Column C, Line 3			$0.00		1
2	From Page 2 of 3, Column C, Line 3			8,223.70	kW	2
3	LIne 1 divided by Line 2		$	-		3
4	Line 3 multiplied by	60.938% *	$	-		4
5	Demand Related Rate Adjustment Factor		**$**	**-**	per KW	5

* Adjustment to Determine Demand Rate

Attachment B
Page 1 of 3

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

DETERMINATION OF RATE ADJUSTMENT FOR THE
THREE MONTHS OF
Jul-21 Aug-21 Sep-21

LINE NO.	DESCRIPTION	DEMAND RELATED (A)	ENERGY RELATED (B)	LINE NO.
1	INCREMENTAL CHANGE IN BASE RATE (a)	$3.260	$0.002485	1
2	ESTIMATED SAVINGS (LOSS) FROM DEDICATED CAPACITY PAYMENTS (b)	$0.000	--	2
3	ESTIMATED PURCHASED POWER ENERGY COST ADJUSTMENT (c)	($3.260)	-$0.002485	3
4	ESTIMATED TOTAL CHANGE IN PURCHASED POWER RATE	$0.000	$0.000000	4
5	EST CHANGE IN PURCHASED POWER RATE ADJ FOR LOSSES & GR INCOME TAX (d)	$0.0000	$0.000000	5
6	PLUS TRACKING FACTOR EFFECTIVE PRIOR TO JANUARY 27, 1983 (e)	$0.000	$0.000000	6
7	ESTIMATED TOTAL RATE ADJUSTMENT	$0.000	$0.000000	7
8	ESTIMATED AVERAGE BILLING UNITS (f)	69,938	37,508,740	8
9	ESTIMATED INCREMENTAL CHANGE IN PURCHASED POWER COST (g)	$0.00	$0.00	9

(a) Exhibit I, Line 3
(b) Exhibit II, Line 9
(c) Exhibit III, Column E, Lines 3 and 5
(d) Line 4 divided by (1 - line loss factor)(0.986) = 0.9555326
(e) Tracking Factor effective prior to January 27, 1983. This factor is zero if new rates have been filed and approved since January 27, 1983.
(f) Exhibit III, Column E, Lines 1 and 2
(g) Line 7 times Line 8

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

DETERMINATION OF RATE ADJUSTMENT FOR THE
THREE MONTHS OF:

				Jul-21	Aug-21	Sep-21			
LINE NO.	RATE SCHEDULE	KW DEMAND ALLOCATOR (%) (a) (A)	KWH ENERGY ALLOCATOR (%) (a) (B)	ALLOCATED ESTIMATED KW PURCHASED (b) (C)	ALLOCATED ESTIMATED KWH PURCHASED (c) (D)	INCREMENTAL CHANGE IN PURCHASED POWER COST ADJ FOR LINE LOSSES & GROSS RECEIPTS TAX DEMAND (d) (E)	ENERGY (e) (F)	TOTAL (G)	LINE NO.
1	RS	26.624%	21.684%	18,620.3	8,133,221	$0.00	$0.00	$0.00	1
2	GP	2.502%	2.489%	1,750.0	933,687	$0.00	$0.00	$0.00	2
3	GPL	11.759%	9.087%	8,223.7	3,408,444	$0.00	$0.00	$0.00	3
4	PP	59.090%	66.127%	41,326.6	24,803,334	$0.00	$0.00	$0.00	4
5		0.000%	0.000%	0.0	0	$0.00	$0.00	$0.00	5
6	OL	0.000%	0.273%	0.0	102,476	$0.00	$0.00	$0.00	6
7	SL	0.000%	0.307%	0.0	114,975	$0.00	$0.00	$0.00	7
8		0.000%	0.000%	0.0	0	$0.00	$0.00	$0.00	8
9		0.000%	0.000%	0.0	0	$0.00	$0.00	$0.00	9
10	TS	0.025%	0.034%	17.4	12,603	$0.00	$0.00	$0.00	10
11		0.000%	0.000%	0.0	0	$0.00	$0.00	$0.00	11
12									12
13	TOTAL	100.000%	100.000%	69,938.0	37,508,740	$0.00	$0.00	$0.00	13

(a) Taken From Exhibit VI.
(b) Page 1 of 3, Column A, Line 8 times Page 2 of 3, Column A
(c) Page 1 of 3, Column B, Line 8 times Page 2 of 3, Column B
(d) Page 1 of 3, Column A, Line 9 times Page 2 of 3, Column A
(e) Page 1 of 3, Column B, Line 9 times Page 2 of 3, Column B

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

DETERMINATION OF RATE ADJUSTMENT FOR THE
THREE MONTHS OF:

Jul-21 Aug-21 Sep-21

LINE NO.	RATE SCHEDULE	PLUS VARIANCE (a) DEMAND (A)	PLUS VARIANCE (a) ENERGY (B)	TOTAL CHANGE IN PURCHASED POWER COST ADJ FOR LINE LOSSES & GROSS RECEIPTS TAX DEMAND (b) (C)	ENERGY (c) (D)	TOTAL (E)	RATE ADJUSTMENT FACTOR PER KWH (d) DEMAND (F)	ENERGY (G)	TOTAL (H)	LINE NO.
1	RS	$0.00	$0.00	$0.00	$0.00	$0.00	0.000000	0.000000	0.000000	1
2	GP	$0.00	$0.00	$0.00	$0.00	$0.00	0.000000	0.000000	0.000000	2
3	GPL	$0.00	$0.00	$0.00	$0.00	$0.00	0.000000	0.000000	0.000000	3
4	PP	$0.00	$0.00	$0.00	$0.00	$0.00	0.000000	0.000000	0.000000	4
5		$0.00	$0.00	$0.00	$0.00	$0.00	0.000000	0.000000	0.000000	5
6	OL	$0.00	$0.00	$0.00	$0.00	$0.00	0.000000	0.000000	0.000000	6
7	SL	$0.00	$0.00	$0.00	$0.00	$0.00	0.000000	0.000000	0.000000	7
8		$0.00	$0.00	$0.00	$0.00	$0.00	0.000000	0.000000	0.000000	8
9		$0.00	$0.00	$0.00	$0.00	$0.00	0.000000	0.000000	0.000000	9
10	TS	$0.00	$0.00	$0.00	$0.00	$0.00	0.000000	0.000000	0.000000	10
11		$0.00	$0.00	$0.00	$0.00	$0.00	0.000000	0.000000	0.000000	11
12										12
13	TOTAL	$0.00	$0.00	$0.00	$0.00	$0.00	0.000000	0.000000	0.000000	13

(a) Exhibit IV, Page 4 of 7, Columns D and E divided by (1 - loss factor)(.986) = 0.9555326
(b) Page 2 of 3, Column E plus Page 3 of 3, Column A
(c) Page 2 of 3, Column F plus Page 3 of 3, Column B
(d) Page 3 of 3, Columns C, D and E divided by Page 2 of 3, Column D

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

RECONCILIATION OF VARIANCES FOR THE
THREE MONTHS OF

Jan-21 Feb-21 Mar-21

LINE NO.	DESCRIPTION	DEMAND RELATED (A)	ENERGY RELATED (B)	LINE NO.
1	INCREMENTAL CHANGE IN BASE RATE (a)	$3.260	$0.002485	1
2	ACTUAL SAVINGS FROM DEDICATED CAPACITY PAYMENTS (b)	$0.000	--	2
3	ACTUAL PURCHASED POWER ENERGY COST ADJUSTMENT (c)	($3.260)	($0.002485)	3
4	TOTAL RATE ADJUSTMENT (d)	$0.000	$0.000000	4
5	ACTUAL AVERAGE BILLING UNITS (e)	55,495	32,679,935	5
6	ACTUAL INCREMENTAL CHANGE IN PURCHASED POWER COST (f)	$0.00	$0.00	6

(a) Attachment B, Page 1 of 3, Line 1 of Tracker filing for the three months of:
Jan-21 Feb-21 Mar-21

(b) Exhibit IV, Page 5 of 7, Column E, Line 9
(c) Exhibit IV, Page 6 of 7, Column E, Lines 3 and 5
(d) Sum of Lines 1 through 4
(e) Exhibit IV, Page 6 of 7, Column E, Lines 1 and 2
(f) Line 5 times Line 6

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

RECONCILIATION OF VARIANCES FOR THE
THREE MONTHS OF:

Jan-21 Feb-21 Mar-21

LINE NO.	RATE SCHEDULE	KW DEMAND ALLOCATOR (%) (a) (A)	KWH ENERGY ALLOCATOR (%) (a) (B)	ALLOCATED ACTUAL KW PURCHASED (b) (C)	ALLOCATED ACTUAL KWH PURCHASED (c) (D)	INCREMENTAL CHANGE IN PURCHASED POWER COST DEMAND (d) (E)	ENERGY (e) (F)	TOTAL (G)	LINE NO.
1	RS	26.624%	21.684%	14,775.0	7,086,165	$0.00	$0.00	$0.00	1
2	GPL	2.502%	2.489%	1,388.6	813,486	$0.00	$0.00	$0.00	2
3	GPL	11.759%	9.087%	6,525.4	2,969,647	$0.00	$0.00	$0.00	3
4	PP	59.090%	66.127%	32,792.2	21,610,199	$0.00	$0.00	$0.00	4
5		0.000%	0.000%	0.0	0	$0.00	$0.00	$0.00	5
6	OL	0.000%	0.273%	0.0	89,283	$0.00	$0.00	$0.00	6
7	SL	0.000%	0.307%	0.0	100,174	$0.00	$0.00	$0.00	7
8		0.000%	0.000%	0.0	0	$0.00	$0.00	$0.00	8
9		0.000%	0.000%	0.0	0	$0.00	$0.00	$0.00	9
10	TS	0.025%	0.034%	13.8	10,981	$0.00	$0.00	$0.00	10
11		0.000%	0.000%	0.0	0	$0.00	$0.00	$0.00	11
12									12
13	TOTAL	100.000%	100.000%	55,495.0	32,679,935	$0.00	$0.00	$0.00	13

(a) Adjusted allocators from Exhibit VI Rows (14) and (19) for the year o 2021
(b) Exhibit IV, Page 6 of 7, Column E, Line 1 times Exhibit IV, Page 2 of 7, Column A
(c) Exhibit IV, Page 6 of 7, Column E, Line 2 times Exhibit IV, Page 2 of 7, Column B
(d) Exhibit IV, Page 1 of 7, Column A, Line 6 times Exhibit IV, Page 2 of 7, Column A
(e) Exhibit IV, Page 1 of 7, Column B, Line 6 times Exhibit IV, Page 2 of 7, Column B

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

RECONCILIATION OF VARIANCES FOR THE
THREE MONTHS OF:

				Jan-21	Feb-21	Mar-21				
LINE NO.	RATE SCHEDULE	ACTUAL AVERAGE KWH SALES (a)	ACTUAL AVERAGE KW/KVA SALES (a)	DEMAND ADJUSTMENT FACTOR PER KWH (b)	ENERGY ADJUSTMENT FACTOR PER KWH (c)	INCREMENTAL KW DEMAND COST BILLED BY MEMBER (d)	INCREMENTAL KWH ENERGY COST BILLED BY MEMBER (e)	LESS PREVIOUS VARIANCE FOR MONTHS LISTED ABOVE DEMAND (f)	ENERGY (g)	LINE NO.
		(A)	(A)	(B)	(C)	(D)	(E)	(F)	(G)	
1	RS	7,391,231	-	0.000000	0.000000	$0.00	$0.00	$0.00	$0.00	1
2	GP	811,984	-	0.000000	0.000000	$0.00	$0.00	$0.00	$0.00	2
3	GPL	3,662,161	10,520.89	0.000000	0.000000	$0.00	$0.00	$0.00	$0.00	3
4	PP	20,387,011	41,174.22	0.000000	0.000000	$0.00	$0.00	$0.00	$0.00	4
5		0	-	0.000000	0.000000	$0.00	$0.00	$0.00	$0.00	5
6	OL	94,279	-	0.000000	0.000000	$0.00	$0.00	$0.00	$0.00	6
7	SL	104,844	-	0.000000	0.000000	$0.00	$0.00	$0.00	$0.00	7
8		0	-	0.000000	0.000000	$0.00	$0.00	$0.00	$0.00	8
9		0	-	0.000000	0.000000	$0.00	$0.00	$0.00	$0.00	9
10	TS	10,942	-	0.000000	0.000000	$0.00	$0.00	$0.00	$0.00	10
11		0	-	0.000000	0.000000	$0.00	$0.00	$0.00	$0.00	11
12										12
13	TOTAL	32,462,452	51,695			$0.00	$0.00	$0.00	$0.00	13

(a) Exhibit IV, Page 7 of 7, Column E
(b) Page 3 of 3, Column F of Tracker Filing for the three months of: Jan-21 Feb-21 Mar-21
(c) Page 3 of 3, Column G of Tracker Filing for the three months of: Jan-21 Feb-21 Mar-21
(d) Column A times Column B times the Gross Income Tax Factor of: 0.986
(e) Column A times Column C times the Gross Income Tax Factor of: 0.986
(f) Exhibit IV, Page 4 of 7, Column D of Tracker Filing for the months of: Jan-21 Feb-21 Mar-21
(g) Exhibit IV, Page 4 of 7, Column E of Tracker Filing for the months of : Jan-21 Feb-21 Mar-21

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

RECONCILIATION OF VARIANCES FOR THE
THREE MONTHS OF:

Jan-21 Feb-21 Mar-21

LINE NO.	RATE SCHEDULE	NET INCREMENTAL COST BILLED BY MEMBER			VARIANCE			LINE NO.
		DEMAND (a)	ENERGY (b)	TOTAL	DEMAND (c)	ENERGY (c)	TOTAL (c)	
		(A)	(B)	(C)	(D)	(E)	(F)	
1	RS	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	1
2	GP	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	2
3	GPL	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	3
4	PP	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	4
5		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	5
6	OL	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	6
7	SL	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	7
8		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	8
9		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	9
10	TS	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	10
11		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	11
12								12
13	TOTAL	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	13

(a) Column D minus Column F from Exhibit IV, page 3 of 7
(b) Column E minus Column G from Exhibit IV, Page 3 of 7
(c) Columns E, F, and G from Exhibit IV, Page 2 of 7 minus Columns A, B, and C

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

DETERMINATION OF ACTUAL DEDICATED CAPACITY PAYMENTS
FOR THE THREE MONTHS OF

LINE NO.	DESCRIPTION	Jan-21 January (A)	Feb-21 February (B)	Mar-21 March (C)	TOTAL (D)	AVERAGE (E)	LINE NO.
1	ACTUAL MEMBER GENERATING COSTS	$0.00	$0.00	$0.00	$0.00	$0.00	1
2	LESS: GENERATING COSTS IN BASE RATES	$0.00	$0.00	$0.00	$0.00	$0.00	2
3	DIFFERENCE IN ACTUAL TO BASE RATE COSTS (a)	$0.00	$0.00	$0.00	$0.00	$0.00	3
4	ACTUAL MONTHLY PAYMENT FROM IMPA	$0.00	$0.00	$0.00	$0.00	$0.00	4
5	LESS: ESTIMATED PAYMENT IN BASE RATES (f)	$0.00	$0.00	$0.00	$0.00	$0.00	5
6	DIFFERENCE IN ACTUAL TO BASE RATE PAYMENT (b)	$0.00	$0.00	$0.00	$0.00	$0.00	6
7	ACTUAL CAPACITY PAYMENT SAVINGS TO BE COLLECTED THROUGH THE TRACKER (c)	$0.00	$0.00	$0.00	$0.00	$0.00	7
8	ACTUAL MONTHLY KW BILLED (d)	52,951	56,942	56,591	166,484	55,495	8
9	ACTUAL CAPACITY PAYMENT SAVINGS PER KW (e)	$0.000	$0.000	$0.000		$0.000	9

(a) Line 1 minus Line 2
(b) Line 4 minus Line 5
(c) Line 3 minus Line 6
(d) Exhibit IV, Page 6 of 7, Line 1
(e) Line 7 divided by Line 8
(f) Exhibit II, Line 5

NOTE: This exhibit is only applicable to a municipal utility with generation.

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

DETERMINATION OF ACTUAL ENERGY COST ADJUSTMENT
FROM HISTORICAL DATA

LINE NO.	DESCRIPTION	Jan-21 (A)	Feb-21 (B)	Mar-21 (C)	TOTAL (D)	ACTUAL 3 MONTH AVERAGE (E)	LINE NO.
	PURCHASED POWER FROM IMPA						
1	KW DEMAND (a)	52,951	56,942	56,591	166,484	55,495	1
2	KWH ENERGY (a)	33,149,838	31,186,070	33,703,898	98,039,806	32,679,935	2
	INCREMENTAL PURCHASED POWER COSTS						
	DEMAND RELATED						
3	ECA FACTOR PER KW (a)	(3.260)	(3.260)	(3.260)		(3.260)	3
4	CHARGE (b)	($172,620.26)	($185,630.92)	($184,486.66)	($542,737.84)	($180,912.61)	4
	ENERGY RELATED						
5	ECA FACTOR PER KWH (a)	(0.002485)	(0.002485)	(0.002485)		(0.002485)	5
6	CHARGE (c)	($82,377.35)	($77,497.38)	($83,754.19)	($243,628.92)	($81,209.64)	6

(a) From IMPA bills for the months of: Jan-21 Feb-21 Mar-21
(b) Line 1 times Line 3
(c) Line 2 times Line 5

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

DETERMINATION OF ACTUAL AVERAGE KWH SALES
HISTORICAL DATA

LINE NO.	RATE SCHEDULE		Jan-21 (A)	Feb-21 (B)	Mar-21 (C)	TOTAL (D)	AVERAGE (E)	LINE NO.
1	RS		7,668,254	7,560,899	6,944,541	22,173,693	7,391,231	1
2	GP		827,455	805,838	802,661	2,435,953	811,984	2
3	GPL		3,692,322	3,726,251	3,567,911	10,986,484	3,662,161	3
4	PP		19,941,742	20,532,915	20,686,376	61,161,033	20,387,011	4
5			0	0	0	0	0	5
6	OL		102,209	93,353	87,274	282,836	94,279	6
7	SL		113,798	104,201	96,533	314,531	104,844	7
8			0	0	0	0	0	8
9			0	0	0	0	0	9
10	TS		10,855	10,942	11,029	32,826	10,942	10
11			0	0	0	0	0	11
12								12
13	TOTAL		32,356,633	32,834,398	32,196,325	97,387,355	32,462,452	13

DETERMINATION OF ACTUAL AVERAGE KW/KVA SALES

			Jan-21	Feb-21	Mar-21	TOTAL	AVERAGE	
14			0	0	0	0	0	14
15	GPL	NCP	10,158	10,891	10,513	31,563	10,521	15
16	PP	NCP	40,560	40,764	42,199	123,523	41,174	16
17			0	0	0	0	0	17
18			0	0	0	0	0	18
19			0	0	0	0	0	19
20			0	0	0	0	0	20
21			0	0	0	0	0	21
22			0	0	0	0	0	22
23								23
24			50,719	51,655	52,712	155,085	51,695	24

Exhibit V

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

Crawfordsville, Indiana

CALCULATION OF LINE LOSS FACTOR

FOR YEAR 2020

Month	Metered kWh Sold	IMPA Metered kWh Purchased
January	31,529,178	32,548,586
February	32,028,560	33,059,558
March	31,393,664	32,394,951
April	30,164,659	31,109,007
May	30,730,011	31,683,379
June	33,108,948	34,151,934
July	36,244,385	37,412,522
August	37,943,318	39,166,259
September	35,057,150	36,172,559
October	31,012,400	31,990,525
November	30,171,855	31,130,179
December	30,868,358	31,864,892
Subtotal	390,252,486	402,684,350
Other Adjustments (ie Unmetered sales)	0	0
Total	390,252,486	402,684,350
Estimated Losses kWh		12,431,864
Line Loss as percent of total purchases		3.09%

Exhibit VI

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

Crawfordsville, Indiana

VERIFICATION FOR FUTURE USE OF KW DEMAND ALLOCATION AND KWH ENERGY ALLOCATION FACTORS IN COMPLIANCE WITH ORDERING PARAGRAPH 7 OF IURC CAUSE NO. 36835-S2, DATED MAY 2, 1984

Line No.	Month		Residential Service RS (A)	General Power Service GP (B)	General Power - Large Service GPL (C)	Primary Power Service PP (D)	(E)	Outdoor Lighting OL (F)	Street Lighting SL (G)	Traffic Lighting TS (H)	Total (I)
1	January		7,668,254	827,455	2,864,867	19,941,742		102,209	113,798	10,855	31,529,178
2	February		7,560,899	805,838	2,920,415	20,532,915		93,353	104,201	10,942	32,028,561
3	March		6,944,541	802,661	2,765,250	20,686,376		87,274	96,533	11,029	31,393,664
4	April		5,749,083	698,113	2,600,681	20,948,710		74,086	82,956	11,029	30,164,657
5	May		5,378,033	674,447	2,663,114	21,865,921		64,751	72,702	11,029	30,729,996
6	June		6,625,670	757,178	2,977,743	22,602,930		63,017	71,367	11,029	33,108,933
7	July		8,620,469	880,569	3,430,181	23,149,108		71,692	81,425	10,942	36,244,385
8	August		8,946,398	966,048	3,614,339	24,231,279		81,747	92,653	10,855	37,943,318
9	September		7,427,579	876,632	3,276,788	23,264,932		93,936	106,429	10,855	35,057,150
10	October		6,072,795	723,718	2,881,501	21,100,072		104,724	118,736	10,855	31,012,400
11	November		6,271,392	835,772	2,690,695	20,122,673		113,235	127,234	10,855	30,171,855
12	December		7,355,422	865,934	2,776,922	19,614,847		116,170	128,208	10,855	30,868,358
13	Total		84,620,532	9,714,364	35,462,496	258,061,505	0	1,066,191	1,196,238	131,130	390,252,456
14	Percent of Total	(b)	**21.684%**	**2.489%**	**9.087%**	**66.127%**	**0.000%**	**0.273%**	**0.307%**	**0.034%**	**100.000%**
15	kWh Energy Factors	(a)	21.913%	2.516%	9.183%	65.768%	0.000%	0.276%	0.310%	0.034%	**100.0000%**
16	Percent Variance	{c}	-1.049%	-1.049%	-1.049%	0.546%	0.000%	-1.049%	-1.049%	-1.049%	
17	kW Demand Factors	(a)	26.766%	2.516%	11.821%	58.464%	0.000%	0.000%	0.000%	0.025%	99.5925%
18	Adjusted Factors	(d)	26.486%	2.489%	11.697%	58.783%	0.000%	0.000%	0.000%	0.025%	99.480%
19	Percent of Total	(e)	**26.624%**	**2.502%**	**11.759%**	**59.090%**	**0.000%**	**0.000%**	**0.000%**	**0.025%**	**100.000%**

(a) Taken from Cost of Service Study based on Twelve Month Period ending February 28,2020.
(b) kWh sales by rate classification expressed as a percent of total kWH sales for the year 2018. Proposed kWh Energy allocator for year 2019.
{c} (Line 14/ Line 15)-1.
(d) (1+ Line 16) * Line 17.
(e) (Line 18) / (Line 18, column H). Proposed kW Demand allocator for year 2021.

Attachment LAT-7 - LED Lighting Design

Line No.	HPS Streetlights / Equivalent LED Streetlights	$/Fixture 100 W HPS 47 W LED	250 W HPS 81 W LED	400 W HPS 142 W LED
1	HPS COS SL Operating Costs	$ 10.91	$ 12.05	$ 13.89
2	Equiv LED SL Operating Costs	$ 9.26	$ 9.84	$ 10.80
3	Difference (LED SL Costs Minus HPS SL Costs)	$ (1.65)	$ (2.21)	$ (3.09)
4	Settlement HPS SL Fixture Charges	$ 5.95	$ 24.12	$ 39.44
5	Less Difference in LED SL vs HPS SL Operating Costs	$ (1.65)	$ (2.21)	$ (3.09)
6	Settlement LED SL Fixture Charges	$ 4.30	$ 21.91	$ 36.35

Line No.	HPS Outdoor Lighting / Equivalent LED Outdoor Lighting	$/Fixture 100 W HPS 47 W LED	250 W HPS 81 W LED	400 W HPS 142 W LED
7	HPS COS OL Operating Costs	$ 3.82	$ 4.95	$ 6.78
8	Equiv LED OL Operating Costs	$ 2.93	$ 3.50	$ 4.46
9	Difference (LED OL Costs Minus HPS OL Costs)	$ (0.89)	$ (1.45)	$ (2.32)
10	Settlement HPS OL Fixture Charges	$ 4.73	$ 12.21	$ 33.20
11	Less Difference in LED OL vs HPS OL Operating Costs	$ (0.89)	$ (1.45)	$ (2.32)
12	Settlement LED OL Fixture Charges	$3.84	$10.76	$30.88

Attachment LAT-7 - Lighting COS

Line No.			COS Unit Charge	High Pressure Sodium 100 Watts / 121 With Losses Watts / 40 kWh/Month	High Pressure Sodium 250 Watts / 303 With Losses Watts / 59 kWh/Month	High Pressure Sodium 400 Watts / 485 With Losses Watts / 102 kWh/Month	Equivalent LED 47 Watts / 57 With Losses Watts / 19 kWh/Month	Equivalent LED 81 Watts / 101 With Losses Watts / 34 kWh/Month	Equivalent LED 142 Watts / 176 With Losses Watts / 59 kWh/Month
	Streetlights COS			$/Fixture			$/Fixture		
1	Demand	$	0.0034	$ 0.41	$ 1.02	$ 1.64	$ 0.19	$ 0.34	$ 0.59
2	Energy	$	0.0285	$ 1.15	$ 1.67	$ 2.90	$ 0.54	$ 0.96	$ 1.67
3	Customer	$	6.08	$ 6.08	$ 6.08	$ 6.08	$ 6.08	$ 6.08	$ 6.08
4	Lighting O&M	$	3.27	$ 3.27	$ 3.27	$ 3.27	$ 2.45	$ 2.45	$ 2.45
5	COS - Operating Expenses			$ 10.91	$ 12.05	$ 13.89	$ 9.26	$ 9.84	$ 10.80
	Outdoor Lights COS			$/Fixture			$/Fixture		
6	Demand	$	0.0033	$ 0.40	$ 1.01	$ 1.62	$ 0.19	$ 0.34	$ 0.59
7	Energy	$	0.0284	$ 1.14	$ 1.67	$ 2.89	$ 0.53	$ 0.96	$ 1.66
8	Customer	$	2.01	$ 2.01	$ 2.01	$ 2.01	$ 2.01	$ 2.01	$ 2.01
9	Lighting O&M	$	0.26	$ 0.26	$ 0.26	$ 0.26	$ 0.20	$ 0.20	$ 0.20
10	COS - Operating Expenses			$ 3.82	$ 4.95	$ 6.78	$ 2.93	$ 3.50	$ 4.46

CELP Public Charging EV Rate Design

	As-Filed 10/23/2020 $/kWh	Settlement $/kWh	Difference $/kWh	Difference %
Phase 1	$ 0.24528	$ 0.25170	$ 0.00642	2.62%
Phase 2	$ 0.27578	$ 0.25468	$ (0.02110)	-7.65%

Workpaper AJR-2
Cause No. 45420

CELP Public Charging EV Rate Design

	(a)	(b)	(c)	(d)	(e)	(f)
Row	**Item**	**EV-PP Rate Build-Up**		**Calculation Methodology**		
	Phase of Service	**Single Phase**				
1	**Rate Implementation Step**	**Step 1**	**Step 2**			
2	GP-Large Max kW for Class	50	50	Applicability Criteria by Rate Class		
3	Installed Max kW	14.4	14.4	Assumption Based on Current Chargers		
4	Delivered Max kW	7.2	7.2	Assumption Based on Usage Data		
5	Charging Load Factor	10%	10%	Assumption Based on Current Load and Future EV Adoption		
6	GP-Large Customer Charge	$ 19.32	$ 19.32	Proposed GP Rate Design w/ EV-Specific Adjustment		
7	EV Facilities Costs	$ 29.68	$ 29.68	Actual Install Costs per Charger Amortized Over 20 Years		
8	GP-Large Demand Charge	$ 6.50	$ 6.50	Proposed General Power Single Phase rate design		
9	GP-Large Energy Charge	$ 0.069435	$ 0.072410	Proposed General Power Single Phase rate design		
10	Delivered Monthly Peak Demand	7.2	7.2	Row 4		
11	Delivered Monthly Energy	526	526	Row 4 * Row 5 * 730 Hours/Month		
12	Customer Charge ($/Month)	$ 19	$ 19	Row 6		
13	Facilities Charge ($/Month)	$ 30	$ 30	Row 7		
14	Demand Charge(s)	$ 47	$ 47	Row 8 * Row 10		
15	Energy Charge(s)	$ 36	$ 38	Row 9 * Row 11		
16	Total Bill	$ 132	$ 134	Sum Rows 12-15		
17	Energy-Only Rate ($/kWh)	$ 0.25170	$ 0.25468	Row 16 / Row11		

Other Assumption	
Useful Life	**Units**
20	yrs

CRAWFORDSVILLE ELECTRIC LIGHT & POWER - WORK ORDER 2018359 - EV CHARGERS

TRANSACTION DATE	TYPE	ITEM NUMBER	DESCRIPTION	QUANTITY	G/L	WORK ORDER	NAME	RAW AMOUNT	Adjustment	Adj Amount	Comments
3/17/2019	LABOR	0	DIRECT LABOR	1	01 107.000 03 UC	2018359	EV Chargers	$ 45.36	$ (27.13)	$ 18.23	Labor adjusted for streetlighting based on capital allocation
2/28/2019	LABOR	0	ACCRUED LABOR	2	01 107.000 03 UC	2018359	EV Chargers	$ 90.73	$ (54.27)	$ 36.46	Labor adjusted for streetlighting based on capital allocation
2/3/2019	LABOR	0	DIRECT LABOR	2	01 107.000 03 UC	2018359	EV Chargers	$ 90.73	$ (54.27)	$ 36.46	Labor adjusted for streetlighting based on capital allocation
1/20/2019	LABOR	0	DIRECT LABOR	2	01 107.000 03 UC	2018359	EV Chargers	$ 90.72	$ (54.27)	$ 36.45	Labor adjusted for streetlighting based on capital allocation
1/6/2019	LABOR	0	DIRECT LABOR	4	01 107.000 03 FO	2018359	EV Chargers	$ 181.46	$ (108.55)	$ 72.91	Labor adjusted for streetlighting based on capital allocation
1/6/2019	LABOR	0	DIRECT LABOR	2	01 107.000 03 UC	2018359	EV Chargers	$ 90.73	$ (54.27)	$ 36.46	Labor adjusted for streetlighting based on capital allocation
12/23/2018	LABOR	0	DIRECT LABOR	3	01 107.000 03 UC	2018359	EV Chargers	$ 128.39	$ (76.80)	$ 51.59	Labor adjusted for streetlighting based on capital allocation
12/9/2018	LABOR	0	DIRECT LABOR	8	01 107.000 03 OH	2018359	EV Chargers	$ 295.36	$ (176.69)	$ 118.67	Labor adjusted for streetlighting based on capital allocation
12/9/2018	LABOR	0	DIRECT LABOR	8	01 107.000 03 SE	2018359	EV Chargers	$ 258.16	$ (154.43)	$ 103.73	Labor adjusted for streetlighting based on capital allocation
12/9/2018	LABOR	0	DIRECT LABOR	6	01 107.000 03 UC	2018359	EV Chargers	$ 187.08	$ (111.91)	$ 75.17	Labor adjusted for streetlighting based on capital allocation
12/9/2018	LABOR	0	DIRECT LABOR	24	01 107.000 03 UG	2018359	EV Chargers	$ 781.96	$ (467.77)	$ 314.19	Labor adjusted for streetlighting based on capital allocation
11/30/2018	LABOR	0	ACCRUED LABOR	8	01 107.000 03 UC	2018359	EV Chargers	$ 342.36	$ (204.80)	$ 137.56	Labor adjusted for streetlighting based on capital allocation
11/25/2018	LABOR	0	DIRECT LABOR	16	01 107.000 03 UC	2018359	EV Chargers	$ 684.72	$ (409.60)	$ 275.12	Labor adjusted for streetlighting based on capital allocation
11/11/2018	LABOR	0	DIRECT LABOR	16	01 107.000 03 UC	2018359	EV Chargers	$ 684.74	$ (409.61)	$ 275.13	Labor adjusted for streetlighting based on capital allocation
10/31/2018	LABOR	0	ACCRUED LABOR	24	01 107.000 03 UC	2018359	EV Chargers	$ 1,027.11	$ (614.42)	$ 412.69	Labor adjusted for streetlighting based on capital allocation
12/4/2018	MATERIAL	30500019	CABLE 350/350 4/0 URD TRIPLEX	675	01 107.000 03 UG	2018359	EV Chargers	$ 1,624.48	$ (1,624.48)	$ -	Underground service lines installed for streetlighting
12/4/2018	MATERIAL	33000016	CONDUIT ALUMINUM 4 "	10	01 107.000 03 UG	2018359	EV Chargers	$ 158.20	$ (158.20)	$ -	Underground service lines installed for streetlighting
12/4/2018	MATERIAL	33000003	CONDUIT PVC 4SCH80 "	20	01 107.000 03 UG	2018359	EV Chargers	$ 82.73	$ (82.73)	$ -	Underground service lines installed for streetlighting
12/4/2018	MATERIAL	190000003	ROD--LAG SCREW 3/8 X 3 J8743	-9	01 107.000 03 UG	2018359	EV Chargers	$ (4.94)	$ 4.94	$ -	Underground service lines installed for streetlighting
12/4/2018	MATERIAL	195500013	STRAPS--PIPE STRAP 4 REGAL#83"	-6	01 107.000 03 UG	2018359	EV Chargers	$ (9.62)	$ 9.62	$ -	Underground service lines installed for streetlighting
12/4/2018	MATERIAL	32500835	CONNECTOR COMPRESSION WR 835	3	01 107.000 03 UG	2018359	EV Chargers	$ 9.58	$ (9.58)	$ -	Underground service lines installed for streetlighting
12/4/2018	MATERIAL	230000006	WASHER SPRING 5/8 J3540 "	3	01 107.000 03 UG	2018359	EV Chargers	$ 6.85	$ (6.85)	$ -	Underground service lines installed for streetlighting
12/4/2018	MATERIAL	190000004	SCREW--LAG SCREW 1/2 X 4 J8754	1	01 107.000 03 UG	2018359	EV Chargers	$ 0.59	$ (0.59)	$ -	Underground service lines installed for streetlighting
12/4/2018	MATERIAL	22500012	BOLT 5/8 X 14 MACHINE J8814	3	01 107.000 03 UG	2018359	EV Chargers	$ 3.67	$ (3.67)	$ -	Underground service lines installed for streetlighting
12/4/2018	MATERIAL	190000003	ROD--LAG SCREW 3/8 X 3 J8743	12	01 107.000 03 UG	2018359	EV Chargers	$ 6.59	$ (6.59)	$ -	Underground service lines installed for streetlighting
12/4/2018	MATERIAL	60000002	FITTING--TRANSFORMER GROUND LU	1	01 107.000 03 UG	2018359	EV Chargers	$ 3.64	$ (3.64)	$ -	Underground service lines installed for streetlighting
12/4/2018	MATERIAL	11000005	ARRESTER 10KV OH#2137097324 CO	1	01 107.000 03 UG	2018359	EV Chargers	$ 27.65	$ (27.65)	$ -	Underground service lines installed for streetlighting
12/4/2018	MATERIAL	70000018	GUARD BIRD	1	01 107.000 03 UG	2018359	EV Chargers	$ 4.33	$ (4.33)	$ -	Underground service lines installed for streetlighting
12/4/2018	MATERIAL	70000020	ANIMAL GUARD ARST	1	01 107.000 03 UG	2018359	EV Chargers	$ 4.57	$ (4.57)	$ -	Underground service lines installed for streetlighting
12/4/2018	MATERIAL	34000005	COUPLING FOR 4 PVC CARLON-E94"	1	01 107.000 03 UG	2018359	EV Chargers	$ 1.78	$ (1.78)	$ -	Underground service lines installed for streetlighting
12/4/2018	MATERIAL	25000037	BRACKET--SINGLE PHASE FIBERGLA	1	01 107.000 03 UG	2018359	EV Chargers	$ 33.83	$ (33.83)	$ -	Underground service lines installed for streetlighting
12/4/2018	MATERIAL	34500001	CUTOUT LOADBREAK ABB 100 Amp	1	01 107.000 03 UG	2018359	EV Chargers	$ 130.64	$ (130.64)	$ -	Underground service lines installed for streetlighting
12/4/2018	MATERIAL	195500013	STRAPS--PIPE STRAP 4 REGAL#83"	6	01 107.000 03 UG	2018359	EV Chargers	$ 9.62	$ (9.62)	$ -	Underground service lines installed for streetlighting
12/4/2018	MATERIAL	230500016	WIRE 4/0 CU 600 VOLT 19 STR TH	18	01 107.000 03 UG	2018359	EV Chargers	$ 45.89	$ (45.89)	$ -	Underground service lines installed for streetlighting
11/15/2018	MATERIAL	21500009	BEND 4 PVC 90 DEGREE 36" RADI"	1	01 107.000 03 OH	2018359	EV Chargers	$ 27.77	$ (27.77)	$ -	Underground service lines installed for streetlighting
11/15/2018	MATERIAL	30500016	CABLE #2 AL W/CONCENTRIC KERI"	402	01 107.000 03 OH	2018359	EV Chargers	$ 869.51	$ (869.51)	$ -	Underground service lines installed for streetlighting
11/15/2018	MATERIAL	30500019	CABLE 350/350 4/0 URD TRIPLEX	200	01 107.000 03 OH	2018359	EV Chargers	$ 481.33	$ (481.33)	$ -	Underground service lines installed for streetlighting
11/15/2018	MATERIAL	181000007	RECEPTABLE ELBOW #2 220/175 MI	10	01 107.000 03 OH	2018359	EV Chargers	$ 258.06	$ (258.06)	$ -	Underground service lines installed for streetlighting
11/15/2018	MATERIAL	201000003	TERMINATOR #2 220 MIL PCT10220	7	01 107.000 03 OH	2018359	EV Chargers	$ 181.10	$ (181.10)	$ -	Underground service lines installed for streetlighting
11/15/2018	MATERIAL	190500002	SEAL KIT FOR URD CABLE #2 #845	17	01 107.000 03 OH	2018359	EV Chargers	$ 239.24	$ (239.24)	$ -	Underground service lines installed for streetlighting
11/15/2018	MATERIAL	11000002	ARRESTOR 10 KV ELBOW SURGE JOS	4	01 107.000 03 OH	2018359	EV Chargers	$ 233.62	$ (233.62)	$ -	Underground service lines installed for streetlighting
11/15/2018	MATERIAL	201000030	TERMINATOR HOMAC FLOODSEAL RAB	9	01 107.000 03 OH	2018359	EV Chargers	$ 120.79	$ (120.79)	$ -	Underground service lines installed for streetlighting
11/15/2018	MATERIAL	183500001	ROD--GROUND ROD 5/8 X 8' 62581	7	01 107.000 03 OH	2018359	EV Chargers	$ 75.70	$ (75.70)	$ -	Underground service lines installed for streetlighting
11/15/2018	MATERIAL	31500017	CLAMP GROUND ROD JAB58H	14	01 107.000 03 OH	2018359	EV Chargers	$ 19.37	$ (19.37)	$ -	Underground service lines installed for streetlighting
5/21/2019	OTHER	0	HOME DEPOT CREDIT SERVICES	0	01 107.000 03 UG	2018359	EV Chargers	$ 14.33	$ -	$ 14.33	Costs specific to EV charger installation
5/3/2019	OTHER	0	CHASE CARD SERVICES	0	01 107.000 05 UG	2018359	EV Chargers	$ 211.38	$ -	$ 211.38	Costs specific to EV charger installation
4/24/2019	OTHER	0	SHERWIN-WILLIAMS COMPANY	0	01 107.000 03 UG	2018359	EV Chargers	$ 47.12	$ -	$ 47.12	Costs specific to EV charger installation
4/24/2019	OTHER	0	TOWN & COUNTRY HOMECENTER	0	01 107.000 03 UG	2018359	EV Chargers	$ 16.99	$ -	$ 16.99	Costs specific to EV charger installation
4/24/2019	OTHER	0	CSI SIGNS	0	01 107.000 03 UG	2018359	EV Chargers	$ 1,547.04	$ -	$ 1,547.04	Costs specific to EV charger installation
4/19/2019	OTHER	0	HOBSON ELECTRIC	0	01 107.000 03 UG	2018359	EV Chargers	$ 414.60	$ -	$ 414.60	Costs specific to EV charger installation
4/3/2019	OTHER	0	CHASE CARD SERVICES	0	01 107.000 03 UG	2018359	EV Chargers	$ 113.28	$ -	$ 113.28	Costs specific to EV charger installation
3/31/2019	OTHER	0	HOBSON ELECTRIC	0	01 107.000 03 UG	2018359	EV Chargers	$ 646.03	$ -	$ 646.03	Costs specific to EV charger installation
3/21/2019	OTHER	0	HOME DEPOT CREDIT SERVICES	0	01 107.000 03 UG	2018359	EV Chargers	$ 578.15	$ -	$ 578.15	Costs specific to EV charger installation
2/3/2019	OTHER	0	CHASE CARD SERVICES	0	01 107.000 03 UG	2018359	EV Chargers	$ 80.00	$ -	$ 80.00	Costs specific to EV charger installation
12/20/2018	OTHER	0	FISHERO & FISHERO	0	01 107.000 03 UG	2018359	EV Chargers	$ 1,700.00	$ -	$ 1,700.00	Costs specific to EV charger installation
12/4/2018	OTHER	0	KIRBY RISK CORPORATION	0	01 107.000 03 UG	2018359	EV Chargers	$ 191.35	$ -	$ 191.35	Costs specific to EV charger installation
12/4/2018	OTHER	0	HOBSON ELECTRIC	0	01 107.000 03 UG	2018359	EV Chargers	$ 3,194.71	$ -	$ 3,194.71	Costs specific to EV charger installation
12/4/2018	OTHER	0	HOBSON ELECTRIC	0	01 107.000 03 UG	2018359	EV Chargers	$ 3,490.56	$ -	$ 3,490.56	Costs specific to EV charger installation
11/13/2018	OTHER	0	TANNER UTILITIES, INC.	0	01 107.000 03 UG	2018359	EV Chargers	$ 7,600.00	$ (7,600.00)	$ -	Underground service lines installed for streetlighting
10/20/2018	OTHER	0	THE GALLOWAY GROUP	0	01 107.000 03 UG	2018359	EV Chargers	$ 677.01	$ (677.01)	$ -	Underground service lines installed for streetlighting
9/25/2018	OTHER	0	CHARGEPOINT, INC	0	01 107.000 03 UG	2018359	EV Chargers	$ 5,000.00	$ (5,000.00)	$ -	Initial lease payment to ChargePoint, recovered separately
12/31/2018	TRUCK	8	04 CHEVY SILVERADO	4	01 107.000 03 UG	2018359	EV Chargers	$ 15.15	$ (15.15)	$ -	Underground service lines installed for streetlighting
12/31/2018	TRUCK	12	08 INT. AERIAL TRUCK	4	01 107.000 03 UG	2018359	EV Chargers	$ 28.02	$ (28.02)	$ -	Underground service lines installed for streetlighting
12/31/2018	TRUCK	16	07 INT. DIGGER/DERR	8	01 107.000 03 UG	2018359	EV Chargers	$ 32.15	$ (32.15)	$ -	Underground service lines installed for streetlighting
12/31/2018	TRUCK	19	17-FREIGHTLINER BUCKET TRUCK	8	01 107.000 03 OH	2018359	EV Chargers	$ 232.47	$ (232.47)	$ -	Underground service lines installed for streetlighting
							Total	**$ 35,456.52**	**$ (21,210.19)**	**$ 14,246.33**	

CEL&P Public EV Rate Design - Direct-Assign EV Infrastructure Costs

Row	(a)	(b)	(c)	(d)	(e)	(f)
					EV-PP Rate	
					Single Phase	
1	**Direct Assign Cost**	**Cost**	**Charger Count**	**Basis**	**Step 1**	**Step 2**
2	Dist. Infrastructure	$ 14,246	2	Installation Costs/Charger	$ 29.68	$ 29.68

CEL&P GP-Large Rate and Cust Cost Adjustments

Row	(a)	(b) General Power - Large Single Phase Step 1	(c) General Power - Large Single Phase Step 2
1	Facilities Charge	$ 45.00	$ 45.00
2	Demand Charge	$ 6.50	$ 6.50
3	Energy Charge	$ 0.069435	$ 0.072410

GP - Large Customer Charge Adjustment

Row	Customer Service	General Power - Large	Adj for EV	Adj. EV Cust Service	(e)	(f)	(g)
6	Meter Reading	11,445	-	11,445			
7	Accounting	70,878	-	70,878			
8	Customer Service	118,662	(118,662)	-			
9	Sales	4,343	-	4,343			
10	Uncollectibles/Forfeited Discounts	(3,471)	3,471	-		**Adj from COS**	Calculation
11		201,856	(115,190)	86,666		**42.9%**	d11 / b11