

GREENFIELD (INDIANA) MUNICIPAL ELECTRIC UTILITY

ENERGY COST ADJUSTMENT TRACKING FACTOR

2nd Quarter, 2023

IMPA Tracker No.

162

PROPOSED ECA FACTOR / KWH	\$0.012948
PREVIOUS ECA FACTOR / KWH	\$0.012565
CHANGE IN ECA / KWH	\$0.000383

KROHN
— ASSOCIATES —
CPAS AND CONSULTANTS

GREENFIELD (INDIANA) MUNICIPAL ELECTRIC UTILITY

APPENDIX "A"

RATE ADJUSTMENT (Applicable to all metered rates)

The Rate Adjustment shall be on the basis of a Purchased 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 May 2, 1984 in Cause No. 36835-S2 as follows:

Rate Adjustment applicable to all Rate Schedules:

\$ 0.012948 per kWh

Effective: 2nd Quarter, 2023

GREENFIELD (INDIANA) MUNICIPAL ELECTRIC UTILITY
DETERMINATION OF THE RATE ADJUSTMENT FOR THE
2nd Quarter, 2023

EXHIBIT I

LINE NO.	DESCRIPTION	APRIL (A)	MAY (B)	JUNE (C)	TOTAL (D)	ESTIMATED 3 MONTH AVERAGE (E)
	ESTIMATED PURCHASED POWER FROM IMPA					
1	DEMAND (KW)	47,092	62,745	68,212	178,049	59,350
2	ENERGY (KWH)	26,311,428	28,900,278	32,645,149	87,856,855	29,285,618
3	ESTIMATED SALES (KWH) (a)	25,310,541	27,800,911	31,403,328	84,514,780	28,171,593
	ESTIMATED TOTAL RATE ADJUSTMENT					
4	DEMAND (b)	\$ 54,344.17	\$ 72,407.73	\$ 78,716.65	\$ 205,468.55	\$ 68,489.52
5	ENERGY (c)	267,560.91	293,886.93	331,968.52	893,416.36	297,805.45
6	TOTAL	\$ 321,905.08	\$ 366,294.66	\$ 410,685.17	\$ 1,098,884.91	\$ 366,294.97
	<u>VARIANCE</u>					
7	VARIANCE IN RECONCILIATION PERIOD (d)					(\$1,538.42)
7A	SPECIAL VARIANCE RECONCILIATION - SEE EXHIBIT V					\$ -
8	TOTAL ESTIMATED INCREMENTAL PURCHASED POWER COST (e)					\$ 364,756.55
9	TOTAL ESTIMATED INCREMENTAL PURCHASED POWER COST PER KWH (f)					\$0.012948
10	TOTAL ESTIMATED INCREMENTAL PURCHASED POWER COST PER KWH ADJUSTED FOR I.U.R.T. (g)					\$0.012948
11	SEE EXHIBIT V - IF APPLICABLE					\$0.000000
12	TOTAL TRACKING FACTOR (i)					\$0.012948

(a) Line 2 times (1 - current line loss factor) =

96.20%

(b) Line 1 times Exhibit II, Line 5, Column A.

(c) Line 2 times Exhibit II, Line 5, Column B.

(d) Exhibit III, Line 7, Column E.

(e) Line 6 plus Line 7

(f) Line 8 divided by Line 3

(g) Line 9 divided by the Indiana Utility Receipt Tax Factor of

1

(h) Tracking factor effective prior to January 27, 1983. This factor is zero if new rates have been filed and approved since January 27, 1983.

(i) Line 10 plus Line 11

GREENFIELD (INDIANA) MUNICIPAL ELECTRIC UTILITY
DETERMINATION OF THE RATE ADJUSTMENT FOR THE
2nd Quarter, 2023

EXHIBIT II

LINE NO.	DESCRIPTION	DEMAND (A)	ENERGY (B)
<u>INCREMENTAL CHANGE IN BASE RATES</u>			
1	BASE RATE EFFECTIVE 01/01/2023 (a)	\$23.252	\$0.036057
2	BASE RATE EFFECTIVE 01/01/2018 (b)	\$22.944	\$0.027225
3	INCREMENTAL CHANGE IN BASE RATES (c)	\$0.308	\$0.008832
<u>ENERGY COST ADJUSTMENT</u>			
4	ESTIMATED ENERGY COST ADJUSTMENT	\$0.846	\$0.001337
5	ESTIMATED TOTAL RATE ADJUSTMENT (d)	\$1.154	\$0.010169

(a) IMPA rate, including voltage and area adjustments, effective for the period covered by this filing.

(b) Base wholesale purchased power rate effective at the time of the member's last increase in base retail rates & charges.

(c) Line 1 minus Line 2

(d) Line 3 plus Line 4

GREENFIELD (INDIANA) MUNICIPAL ELECTRIC UTILITY

EXHIBIT III

DETERMINATION OF VARIANCE FOR THE
4th Quarter, 2022

LINE NO.	DESCRIPTION	OCTOBER (A)	NOVEMBER (B)	DECEMBER (C)	TOTAL (D)	3 MONTH AVERAGE (E)
1	TOTAL SALES SUBJECT TO RATE ADJ. (a)	29,789,621	26,639,949	25,765,846	82,195,416	27,398,472
2	INCREMENTAL COST BILLED BY IMPA (b)	\$136,764.72	\$140,864.90	\$156,843.08	\$434,472.70	\$144,824.23
3	INCREMENTAL COST BILLED BY MEMBER (c)	\$178,797.31	\$159,892.97	\$154,646.61	\$493,336.89	\$164,445.63
4	INC COST BILLED EXCLUDING I.U.R.T. (d)	\$176,294.14	\$157,654.47	\$152,481.56	\$486,430.17	\$162,143.39
5	PREVIOUS VARIANCE (e)	\$15,780.74	\$15,780.74	\$15,780.74	\$47,342.22	\$15,780.74
6	NET COST BILLED BY MEMBER (f)	\$160,513.40	\$141,873.73	\$136,700.82	\$439,087.95	\$146,362.65
7	PURCHASED POWER VARIANCE (g)	(\$23,748.68)	(\$1,008.83)	\$20,142.26	(\$4,615.25)	(\$1,538.42)
(a)	Exhibit IV, Line 3					
(b)	Exhibit IV, Line 14					
(c)	Line 1 times factor approved	10/1/2022	\$0.006002	\$0.006002	\$0.006002	
(d)	Line 3 times the Indiana Utility Receipt Tax Factor of			0.9860		
(e)	Exhibit I, Line 7 of factor approved	10/1/2022				
(f)	Line 4 minus Line 5					
(g)	Line 2 minus Line 6					

GREENFIELD (INDIANA) MUNICIPAL ELECTRIC UTILITY

EXHIBIT IV
Page 1 of 2DETERMINATION OF VARIANCE FOR THE
4th Quarter, 2022

LINE NO.	DESCRIPTION	OCTOBER (A)	NOVEMBER (B)	DECEMBER (C)	TOTAL (D)	3 MONTH AVERAGE (E)
	<u>UNITS PURCHASED FROM IMPA</u>					
1	DEMAND (KW)	44,296	47,750	55,439	147,485	49,162
2	ENERGY (KWH)	27,765,618	27,761,391	29,994,760	85,521,769	28,507,256
	<u>TOTAL SALES BILLED BY MEMBER</u>					
3	TOTAL SALES SUBJECT TO RATE ADJ	29,789,621	26,639,949	25,765,846	82,195,416	27,398,472
4	TOTAL SALES NOT SUBJECT TO RATE ADJ	159,858	159,858	159,858	479,574	159,858
5	TOTAL SALES BILLED BY MEMBER	29,949,479	26,799,807	25,925,704	82,674,990	27,558,330
	<u>INCREMENTAL CHANGE IN BASE RATES</u>					
6	DEMAND CHARGE PER KW (a)	\$1.544	\$1.544	\$1.544		
7	ENERGY CHARGE PER KWH (b)	\$0.003407	\$0.003407	\$0.003407		
	<u>ACTUAL ENERGY COST ADJUSTMENT BILLED BY IMPA</u>					
8	DEMAND CHARGE PER KW (c)	(\$0.321)	(\$0.321)	(\$0.321)		
9	ENERGY CHARGE PER KWH (c)	(\$0.000406)	(\$0.000406)	(\$0.000406)		
	<u>TRACKING FACTOR IN EFFECT PRIOR TO IMPA</u>					
10	TRACKING FACTOR PER KWH IN EFFECT PRIOR TO JANUARY 27, 1983 (d)	\$0.000000	\$0.000000	\$0.000000		
	<u>TOTAL RATE ADJUSTMENT</u>					
11	DEMAND - PER KW (e)	\$1.223	\$1.223	\$1.223		
12	ENERGY - PER KWH (f)	\$0.003001	\$0.003001	\$0.003001		
13	TOTAL INCREMENTAL PURCHASED POWER COST BILLED BY IMPA (g)	\$137,498.63	\$141,710.18	\$157,816.17	\$437,024.98	\$145,674.99
14	TOTAL INCREMENTAL PURCHASED POWER COST SUBJECT TO RATE ADJUSTMENT	\$136,764.72	\$140,864.90	\$156,843.08	\$434,472.70	\$144,824.23

GREENFIELD (INDIANA) MUNICIPAL ELECTRIC UTILITY

EXHIBIT IV
Page 2 of 2

DETERMINATION OF VARIANCE FOR THE
4th Quarter, 2022

(a)	Exhibit II, Line 3, Column A, of factor approved on	1/1/2018		
(b)	Exhibit II, Line 3, Column B, of factor approved on	1/1/2018		
(c)	IMPA bills for the months of	OCTOBER	NOVEMBER	DECEMBER
(d)	Tracking Factor effective prior to January 27, 1983 or \$0 if general rate case after January 27, 1983.			
(e)	Line 6 plus Line 8			
(f)	Line 7 plus Line 9 plus Line 10			
(g)	Line 11 times Line 1 plus Line 12 times Line 2			

**Indiana Municipal Power Agency
ECA Estimates for April, May and June
2023 - 2nd Quarter**

	Apr	May	Jun	Apr	May	Jun
	<u>\$/kW-month</u>			<u>\$/kWh</u>		
IMPA's Energy Cost Adjustment	0.846	0.846	0.846	0.001337	0.001337	0.001337
To develop these Energy Cost Adjustment factors, IMPA used the following estimated loads for	<u>kW</u>			<u>kWh</u>		
GREENFIELD	47,092	62,745	68,212	26,311,428	28,900,278	32,645,149



City of Greenfield
PO Box 456
Greenfield, IN 46140-0456

Due Date:	Amount Due:
12/14/2022	\$ 1,915,823.15

Billing Period: October 1 to 31, 2022

Invoice No: INV0015226
Invoice Date: 11/14/2022

Summary of Charges	
Demand Charges:	\$ 1,072,782.48
Energy Charges:	\$ 839,243.57
Subtotal - Purchased Power Charges*:	\$ 1,912,026.05
Other Charges and Credits:	\$ 3,797.10
Net Amount Due:	\$ 1,915,823.15

*Average Purchased Power Cost: 6.89 cents per kWh

Due Date:	Amount Due:
12/14/2022	\$ 1,915,823.15

Please do not pay, payment to be made by auto debit.
Questions, please call: 317-573-9955

Send ACH or Wire payments to:
PNC Bank
ABA# 071921891 (ACH) or ABA# 041000124 (Wire)
Bank Account 4803452201

- OR -

Send checks to:
Indiana Municipal Power Agency
P.O. Box 772880
Chicago, IL 60677-2880

Indiana Municipal Power Agency - Billing Detail

City of Greenfield

Billing Period: October 1 to 31, 2022

Due Date:	Amount Due:
12/14/2022	\$ 1,915,823.15

Demand

Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	46,403	6,546	99.02%	10/05/22	1700	80.42%
CP Billing Demand:	44,296	4,279	99.54%	10/20/22	1000	84.25%
kvar at 97% PF:		11,102				
Reactive Demand:		-				
Demand Charges	Rate		Units		Charge	
Base Demand Charge:	\$	24.202 / kW x	44,296		\$	1,072,051.79
ECA Demand Charge:	\$	(0.321) / kW x	44,296		\$	(14,219.02)
Primary Voltage Charge - Less than 15 kV:	\$	0.953 / kW x	15,687		\$	14,949.71
Total Demand Charges:					\$	1,072,782.48

Energy

Energy Information		kWh		
Total Energy:		27,765,618		
Energy Charges		Rate	Units	Charge
Base Energy Charge:		\$ 0.030632 / kWh	x 27,765,618	\$ 850,516.41
ECA Energy Charge:		\$ (0.000406) / kWh	x 27,765,618	\$ (11,272.84)
Total Energy Charges:				<u>\$ 839,243.57</u>

Other Charges and Credits

Other Charges and Credits	
AMI metering fee - \$0.480/meter for 21,028 meters	\$ 10,093.44
Econ. Dev. Rider - Refer to detailed Qualifying Customer page(s) of this invoice:	\$ (6,296.34)
Total Other Charges and Credits:	\$ 3,797.10

History

	Oct 2022	Oct 2021	2022 YTD
Max Demand (kW):	46,403	55,661	74,579
CP Demand (kW):	44,296	54,636	74,107
Energy (kWh):	27,765,618	28,743,649	312,941,606
CP Load Factor:	84.25%	70.71%	
HDD/CDD (Indianapolis):	327/2	185/61	

IMPACT Delivery Point Details

City of Greenfield

Billing Period: October 1, 2022 to October 31, 2022

Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at GREENFIELD's Maximum Peak on 10/05/22 at 1700 EST				Demand at IMPA's Coincident Peak on 10/20/22 at 1000 EST			
		Date & Time	Max kW	kvar at Max	kVA at Max	Power Factor	kW at Memb Max	kvar at Memb Max	kVA	Power Factor	CP kW	kvar at CP	kVA	Power Factor
TOTAL	27,765,618						46,403	6,546	46,862	99.02%	44,296	4,279	44,502	99.54%
* Greenfield Elmore #1	3,362,469	10/23/22 at 1900 EST	7,698	853	7,745	99.39%	4,419	1,286	4,602	96.02%	6,586	203	6,589	99.95%
* Greenfield Elmore #2	2,214,450	10/05/22 at 1500 EST	4,247	853	4,332	98.04%	3,827	636	3,879	98.65%	4,058	246	4,065	99.82%
* Greenfield Hastings #1	9,993,659	10/03/22 at 1300 EST	16,891	3,638	17,278	97.76%	16,024	3,265	16,353	97.99%	14,542	2,747	14,799	98.26%
* Greenfield Hastings #2	1,955,571	10/05/22 at 1200 EST	3,675	1,410	3,936	93.36%	3,458	1,301	3,695	93.60%	3,181	1,193	3,397	93.63%
* Greenfield Riley #1	3,543,622	10/18/22 at 1900 EST	7,584	(202)	7,587	99.96%	5,510	86	5,511	99.99%	6,634	(192)	6,637	99.96%
* Greenfield Riley #2	6,282,291	10/18/22 at 1900 EST	12,998	-	12,998	100.00%	11,981	-	11,981	100.00%	9,053	-	9,053	100.00%
* Greenfield Solar	409,223	10/03/22 at 1000 EST	2,463	(241)	2,475	99.52%	1,184	(28)	1,184	99.97%	242	82	256	94.71%
* Greenfield Customer Gen.	4,333	-	-	-	-	-	-	-	-	-	-	-	-	-

*Meter Loss Adjustments

Delivery Point	Metered Units					Adjustment Factors		Adjusted Units				
	Energy kWh	kW at Memb Max	kvar at Memb Max	CP kW	kvar at CP	Demand Loss Adj.	Energy Loss Adj.	Energy kWh	kW at Memb Max	kvar at Memb Max	CP kW	kvar at CP
Greenfield Elmore #1	3,355,757	4,406	1,282	6,566	202	1.0030	1.0020	3,362,469	4,419	1,286	6,586	203
Greenfield Elmore #2	2,210,030	3,816	634	4,046	245	1.0030	1.0020	2,214,450	3,827	636	4,058	246
Greenfield Hastings #1	9,953,844	15,960	3,252	14,484	2,736	1.0040	1.0040	9,993,659	16,024	3,265	14,542	2,747
Greenfield Hastings #2	1,947,780	3,444	1,296	3,168	1,188	1.0040	1.0040	1,955,571	3,458	1,301	3,181	1,193

Indiana Municipal Power Agency - Economic Development Rider

City of Greenfield

Billing Period: October 1 to 31, 2022

Qualifying Customer: BWI Indiana Inc.

Economic Development Rider Credit for Billing Period: October 1 to 31, 2022

Economic Development Rider											
	Baseline Demand* (kW) (A)	Current Month Max Demand (kW) (B)	Qualifying Demand (kW) (C) = (B) - (A)	ED Rider Demand Alloc. % (D) = (C) / (B)	CP Billing Demand (kW) (E)	Baseline Energy (kWh) (F)	Current Month Energy (kWh) (G)	Qualifying Energy (kWh) (H) = (G) - (F)	ED Rider Energy Alloc. % (I) = (H) / (G)	Econ. Dev. Start Month (J)	Economic Dev. Rider (K)
BWI Indiana Inc.	1,115	991	-	0.0%	786	435,428	572,087	-	0.0%	Sep-19	10%
	Demand (kW)	Date	Time (EST)								
BWI Indiana Inc. - Maximum Demand:	991	10/18/22	900								
CP Billing Demand:	786	10/20/22	1000								
Purchased Power Charges	Rate		Units	Allocator	Charge						
Base Demand Charge:	\$ 24.202	/ kW x	786 x	0.0%	x \$ -						
ECA Demand Charge:	\$ (0.321)	/ kW x	786 x	0.0%	x \$ -						
Total Demand Charges:					\$ -						
Base Energy Charge:	\$ 0.030632	/ kWh x	572,087 x	0.0%	x \$ -						
ECA Energy Charge:	\$ (0.000406)	/ kWh x	572,087 x	0.0%	x \$ -						
Total Energy Charges:					\$ -						
Total Purchased Power Charges:					\$ -						
Economic Development Rider:					-10%						
Economic Development Rider Credit					\$ -						

* Baseline demand measured from the average monthly peak demand for the twelve calendar months immediately preceding the effective date of the Service Application.

Indiana Municipal Power Agency - Economic Development Rider

City of Greenfield

Billing Period: October 1 to 31, 2022

Qualifying Customer: Avery Dennison

Economic Development Rider Credit for Billing Period: October 1 to 31, 2022

Economic Development Rider											
	Baseline Demand* (kW) (A)	Current Month Max Demand (kW) (B)	Qualifying Demand (kW) (C) = (B) - (A)	ED Rider Demand Alloc. % (D) = (C) / (B)	CP Billing Demand (kW) (E)	Baseline Energy (kWh) (F)	Current Month Energy (kWh) (G)	Qualifying Energy (kWh) (H) = (G) - (F)	ED Rider Energy Alloc. % (I) = (H) / (G)	Econ. Dev. Start Month (J)	Economic Dev. Rider (K)
Avery Dennison	3,717	2,807	-	0.0%	1,680	1,873,806	1,584,202	-	0.0%	Sep-20	10%
	Demand (kW)	Date	Time (EST)								
Avery Dennison - Maximum Demand:	2,807	10/26/22	1600								
CP Billing Demand:	1,680	10/20/22	1000								
Purchased Power Charges											
	Rate		Units	Allocator	Charge						
Base Demand Charge:	\$	24.202	/ kW x	1,680 x	0.0%	x \$	-				
ECA Demand Charge:	\$	(0.321)	/ kW x	1,680 x	0.0%	x \$	-				
Total Demand Charges:						\$	-				
Base Energy Charge:	\$	0.030632	/ kWh x	1,584,202 x	0.0%	x \$	-				
ECA Energy Charge:	\$	(0.000406)	/ kWh x	1,584,202 x	0.0%	x \$	-				
Total Energy Charges:						\$	-				
Total Purchased Power Charges:						\$	-				
Economic Development Rider:							-10%				
Economic Development Rider Credit						\$	-				

* Baseline demand measured from the average monthly peak demand for the twelve calendar months immediately preceding the effective date of the Service Application.

Indiana Municipal Power Agency - Economic Development Rider
City of Greenfield
Billing Period: October 1 to 31, 2022

Qualifying Customer: Yamaha Marine Precision Propellers
Economic Development Rider Credit for Billing Period: October 1 to 31, 2022

Economic Development Rider											
	Baseline Demand* (kW) (A)	Current Month Max Demand (kW) (B)	Qualifying Demand (kW) (C) = (B) - (A)	ED Rider Demand Alloc. % (D) = (C) / (B)	CP Billing Demand (kW) (E)	Baseline Energy (kWh) (F)	Current Month Energy (kWh) (G)	Qualifying Energy (kWh) (H) = (G) - (F)	ED Rider Energy Alloc. % (I) = (H) / (G)	Econ. Dev. Start Month (J)	Economic Dev. Rider (K)
Yamaha Marine Precision Propellers	-	1,438	1,438	100.0%	863	-	697,236	697,236	100.0%	Jun-21	15%
	Demand (kW)	Date	Time (EST)								
Yamaha Marine Precision Propellers - Maximum Demand	1,438	10/24/22	200								
CP Billing Demand:	863	10/20/22	1000								
Purchased Power Charges	Rate		Units	Allocator	Charge						
Base Demand Charge:	\$ 24.202	/ kW x	863	x 100.0%	x \$ 20,886.33						
ECA Demand Charge:	\$ (0.321)	/ kW x	863	x 100.0%	x \$ (277.02)						
Primary Voltage Charge - Less than 15 kV:	\$ 0.953	/ kW x	306	x 100.0%	x \$ 291.62						
Total Demand Charges:					\$ 20,900.93						
Base Energy Charge:	\$ 0.030632	/ kWh x	697,236	x 100.0%	x \$ 21,357.73						
ECA Energy Charge:	\$ (0.000406)	/ kWh x	697,236	x 100.0%	x \$ (283.08)						
Total Energy Charges:					\$ 21,074.65						
Total Purchased Power Charges:					\$ 41,975.58						
Economic Development Rider:					-15%						
Economic Development Rider Credit					\$ (6,296.34)						

* For a qualifying customer that is establishing new operations, the baseline demand is zero.



City of Greenfield
PO Box 456
Greenfield, IN 46140-0456

Due Date:	Amount Due:
1/13/2023	\$ 2,000,176.06

Billing Period: November 1 to 30, 2022

Invoice No: INV0015327
Invoice Date: 12/14/2022

Summary of Charges

Demand Charges:	\$ 1,157,646.15
Energy Charges:	\$ 839,115.81
Subtotal - Purchased Power Charges*:	\$ 1,996,761.96
Other Charges and Credits:	\$ 3,414.10
Net Amount Due:	\$ 2,000,176.06

*Average Purchased Power Cost: 7.19 cents per kWh

Due Date:	Amount Due:
1/13/2023	\$ 2,000,176.06

Please do not pay, payment to be made by auto debit.
Questions, please call: 317-573-9955

Send ACH or Wire payments to:
PNC Bank
ABA# 071921891 (ACH) or ABA# 041000124 (Wire)
Bank Account 4803452201

- OR -

Send checks to:
Indiana Municipal Power Agency
P.O. Box 772880
Chicago, IL 60677-2880

Indiana Municipal Power Agency - Billing Detail

City of Greenfield

Billing Period: November 1 to 30, 2022

Due Date:

1/13/2023

Amount Due:

\$ 2,000,176.06

Demand

Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	49,828	3,854	99.70%	11/30/22	1900	77.38%
CP Billing Demand:	47,750	4,498	99.56%	11/21/22	900	80.75%
kvar at 97% PF:		11,967				
Reactive Demand:		-				
Demand Charges	Rate		Units		Charge	
Base Demand Charge:	\$	24.202 / kW x	47,750		\$	1,155,645.50
ECA Demand Charge:	\$	(0.321) / kW x	47,750		\$	(15,327.75)
Primary Voltage Charge - Less than 15 kV:	\$	0.953 / kW x	18,183		\$	17,328.40
Total Demand Charges:					\$	1,157,646.15

Energy

Energy Information		kWh		
Total Energy:	27,761,391			
Energy Charges		Rate	Units	Charge
Base Energy Charge:	\$	0.030632 / kWh	x 27,761,391	\$ 850,386.93
ECA Energy Charge:	\$	(0.000406) / kWh	x 27,761,391	\$ (11,271.12)
Total Energy Charges:				<u>\$ 839,115.81</u>

Other Charges and Credits

Other Charges and Credits	
AMI metering fee - \$0.480/meter for 21,095 meters	\$ 10,125.60
Econ. Dev. Rider - Refer to detailed Qualifying Customer page(s) of this invoice:	\$ (6,711.50)
Total Other Charges and Credits:	\$ 3,414.10

History

	Nov 2022	Nov 2021	2022 YTD
Max Demand (kW):	49,828	47,954	74,579
CP Demand (kW):	47,750	47,560	74,107
Energy (kWh):	27,761,391	27,652,942	340,702,997
CP Load Factor:	80.75%	80.75%	
HDD/CDD (Indianapolis):	614/0	729/0	

IMPACT Delivery Point Details

City of Greenfield

Billing Period: November 1, 2022 to November 30, 2022

Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at GREENFIELD's Maximum Peak on 11/30/22 at 1900 EST				Demand at IMPA's Coincident Peak on 11/21/22 at 0900 EST			
		Date & Time	Max kW	kvar at Max	kVA at Max	Power Factor	kW at Memb Max	kvar at Memb Max	kVA	Power Factor	CP kW	kvar at CP	kVA	Power Factor
TOTAL	27,761,391						49,828	3,854	49,977	99.70%	47,750	4,498	47,961	99.56%
* Greenfield Elmore #1	4,508,976	11/30/22 at 1900 EST	8,002	318	8,008	99.92%	8,002	318	8,008	99.92%	7,077	303	7,083	99.91%
* Greenfield Elmore #2	2,275,323	11/18/22 at 1100 EST	4,448	174	4,451	99.92%	4,044	58	4,044	99.99%	4,362	130	4,364	99.96%
* Greenfield Hastings #1	9,117,216	11/09/22 at 1300 EST	16,807	3,614	17,191	97.77%	14,964	2,759	15,216	98.34%	14,024	2,699	14,281	98.20%
* Greenfield Hastings #2	1,809,646	11/01/22 at 1200 EST	3,651	1,518	3,954	92.34%	2,651	771	2,761	96.02%	3,434	1,337	3,685	93.19%
* Greenfield Riley #1	4,074,984	11/30/22 at 1900 EST	8,938	(67)	8,938	100.00%	8,938	(67)	8,938	100.00%	7,661	-	7,661	100.00%
* Greenfield Riley #2	5,703,547	11/30/22 at 1900 EST	11,232	-	11,232	100.00%	11,232	-	11,232	100.00%	10,522	-	10,522	100.00%
* Greenfield Solar	268,903	11/06/22 at 1000 EST	2,015	(215)	2,026	99.44%	(3)	15	15	19.61%	670	29	671	99.91%
* Greenfield Customer Gen.	2,796	-	-	-	-	-	-	-	-	-	-	-	-	-
* Greenfield Parker Meters	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Meter Loss Adjustments

Delivery Point	Metered Units					Adjustment Factors		Adjusted Units				
	Energy kWh	kW at Memb Max	kvar at Memb Max	CP kW	kvar at CP	Demand Loss Adj.	Energy Loss Adj.	Energy kWh	kW at Memb Max	kvar at Memb Max	CP kW	kvar at CP
Greenfield Elmore #1	4,499,976	7,978	317	7,056	302	1.0030	1.0020	4,508,976	8,002	318	7,077	303
Greenfield Elmore #2	2,270,781	4,032	58	4,349	130	1.0030	1.0020	2,275,323	4,044	58	4,362	130
Greenfield Hastings #1	9,080,892	14,904	2,748	13,968	2,688	1.0040	1.0040	9,117,216	14,964	2,759	14,024	2,699
Greenfield Hastings #2	1,802,436	2,640	768	3,420	1,332	1.0040	1.0040	1,809,646	2,651	771	3,434	1,337

IMPA Delivery Point Details

GREENFIELD Parker Meters

Billing Period: November 1, 2022 to November 30, 2022

[illegible]

Indiana Municipal Power Agency - Economic Development Rider

City of Greenfield

Billing Period: November 1 to 30, 2022

Qualifying Customer: Avery Dennison

Economic Development Rider Credit for Billing Period: November 1 to 30, 2022

Economic Development Rider											
	Baseline Demand* (kW) (A)	Current Month Max Demand (kW) (B)	Qualifying Demand (kW) (C) = (B) - (A)	ED Rider Demand Alloc. % (D) = (C) / (B)	CP Billing Demand (kW) (E)	Baseline Energy (kWh) (F)	Current Month Energy (kWh) (G)	Qualifying Energy (kWh) (H) = (G) - (F)	ED Rider Energy Alloc. % (I) = (H) / (G)	Econ. Dev. Start Month (J)	Economic Dev. Rider (K)
Avery Dennison	3,717	2,716	-	0.0%	1,270	1,873,806	1,391,293	-	0.0%	Sep-20	10%
	Demand (kW)	Date	Time (EST)								
Avery Dennison - Maximum Demand:	2,716	11/18/22	600								
CP Billing Demand:	1,270	11/21/22	900								
Purchased Power Charges	Rate		Units	Allocator	Charge						
Base Demand Charge:	\$ 24.202	/ kW x	1,270 x	0.0%	x \$ -						
ECA Demand Charge:	\$ (0.321)	/ kW x	1,270 x	0.0%	x \$ -						
Total Demand Charges:					\$ -						
Base Energy Charge:	\$ 0.030632	/ kWh x	1,391,293 x	0.0%	x \$ -						
ECA Energy Charge:	\$ (0.000406)	/ kWh x	1,391,293 x	0.0%	x \$ -						
Total Energy Charges:					\$ -						
Total Purchased Power Charges:					\$ -						
Economic Development Rider:					-10%						
Economic Development Rider Credit					\$ -						

* Baseline demand measured from the average monthly peak demand for the twelve calendar months immediately preceding the effective date of the Service Application.

Indiana Municipal Power Agency - Economic Development Rider

City of Greenfield

Billing Period: November 1 to 30, 2022

Qualifying Customer: BWI Indiana Inc.

Economic Development Rider Credit for Billing Period: November 1 to 30, 2022

Economic Development Rider											
	Baseline Demand* (kW) (A)	Current Month Max Demand (kW) (B)	Qualifying Demand (kW) (C) = (B) - (A)	ED Rider Demand Alloc. % (D) = (C) / (B)	CP Billing Demand (kW) (E)	Baseline Energy (kWh) (F)	Current Month Energy (kWh) (G)	Qualifying Energy (kWh) (H) = (G) - (F)	ED Rider Energy Alloc. % (I) = (H) / (G)	Econ. Dev. Start Month (J)	Economic Dev. Rider (K)
BWI Indiana Inc.	1,115	999	-	0.0%	896	435,428	514,566	-	0.0%	Sep-19	10%
	Demand (kW)	Date	Time (EST)								
BWI Indiana Inc. - Maximum Demand:	999	11/16/22	1900								
CP Billing Demand:	896	11/21/22	900								
Purchased Power Charges	Rate		Units	Allocator	Charge						
Base Demand Charge:	\$ 24.202	/ kW x	896 x	0.0%	x \$ -						
ECA Demand Charge:	\$ (0.321)	/ kW x	896 x	0.0%	x \$ -						
Total Demand Charges:					\$ -						
Base Energy Charge:	\$ 0.030632	/ kWh x	514,566 x	0.0%	x \$ -						
ECA Energy Charge:	\$ (0.000406)	/ kWh x	514,566 x	0.0%	x \$ -						
Total Energy Charges:					\$ -						
Total Purchased Power Charges:					\$ -						
Economic Development Rider:					-10%						
Economic Development Rider Credit					\$ -						

* Baseline demand measured from the average monthly peak demand for the twelve calendar months immediately preceding the effective date of the Service Application.

Indiana Municipal Power Agency - Economic Development Rider

City of Greenfield

Billing Period: November 1 to 30, 2022

Qualifying Customer: Yamaha Marine Precision Propellers

Economic Development Rider Credit for Billing Period: November 1 to 30, 2022

Economic Development Rider												
	Baseline Demand* (kW) (A)	Current Month Max Demand (kW) (B)	Qualifying Demand (kW) (C) = (B) - (A)	ED Rider Demand Alloc. % (D) = (C) / (B)	CP Billing Demand (kW) (E)		Baseline Energy (kWh) (F)	Current Month Energy (kWh) (G)	Qualifying Energy (kWh) (H) = (G) - (F)	ED Rider Energy Alloc. % (I) = (H) / (G)	Econ. Dev. Start Month (J)	Economic Dev. Rider (K)
Yamaha Marine Precision Propellers	-	1,425	1,425	100.0%	1,052		-	636,483	636,483	100.0%	Jun-21	15%
	Demand (kW)	Date	Time (EST)									
Yamaha Marine Precision Propellers - Maximum D	1,425	11/14/22	500									
CP Billing Demand:	1,052	11/21/22	900									
Purchased Power Charges	Rate		Units	Allocator	Charge							
Base Demand Charge:	\$ 24.202	/ kW x	1,052	x 100.0%	x \$ 25,460.50							
ECA Demand Charge:	\$ (0.321)	/ kW x	1,052	x 100.0%	x \$ (337.69)							
Primary Voltage Charge - Less than 15 kV:	\$ 0.953	/ kW x	401	x 100.0%	x \$ 382.15							
Total Demand Charges:					\$ 25,504.96							
Base Energy Charge:	\$ 0.030632	/ kWh x	636,483	x 100.0%	x \$ 19,496.75							
ECA Energy Charge:	\$ (0.000406)	/ kWh x	636,483	x 100.0%	x \$ (258.41)							
Total Energy Charges:					\$ 19,238.34							
Total Purchased Power Charges:					\$ 44,743.30							
Economic Development Rider:					-15%							
Economic Development Rider Credit					\$ (6,711.50)							

* For a qualifying customer that is establishing new operations, the baseline demand is zero.



City of Greenfield
PO Box 456
Greenfield, IN 46140-0456

Due Date:	Amount Due:
2/15/2023	\$ 2,266,414.79

Billing Period: December 1 to 31, 2022

Invoice No: INV0015433
Invoice Date: 1/16/2023

Summary of Charges

Demand Charges:	\$ 1,353,751.46
Energy Charges:	\$ 906,621.62
Subtotal - Purchased Power Charges*:	\$ 2,260,373.08
Other Charges and Credits:	\$ 6,041.71
Net Amount Due:	\$ 2,266,414.79

*Average Purchased Power Cost: 7.54 cents per kWh

Due Date:	Amount Due:
2/15/2023	\$ 2,266,414.79

Please do not pay, payment to be made by auto debit.
Questions, please call: 317-573-9955

Send ACH or Wire payments to:
PNC Bank
ABA# 071921891 (ACH) or ABA# 041000124 (Wire)
Bank Account 4803452201

- OR -

Send checks to:
Indiana Municipal Power Agency
P.O. Box 772880
Chicago, IL 60677-2880

Indiana Municipal Power Agency - Billing Detail

City of Greenfield

Billing Period: December 1 to 31, 2022

Due Date:

2/15/2023

Amount Due:

\$ 2,266,414.79

Demand

Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	55,439	2,908	99.86%	12/23/22	1900	72.72%
CP Billing Demand:	55,439	2,908	99.86%	12/23/22	1900	72.72%
kvar at 97% PF:		13,894				
Reactive Demand:		-				
Demand Charges	Rate		Units		Charge	
Base Demand Charge:	\$	24.202 / kW x	55,439		\$	1,341,734.68
ECA Demand Charge:	\$	(0.321) / kW x	55,439		\$	(17,795.92)
Primary Voltage Charge - Less than 15 kV:	\$	0.953 / kW x	31,283		\$	29,812.70
Total Demand Charges:					\$	1,353,751.46

Energy

Energy Information		kWh		
Total Energy:	29,994,760			
Energy Charges		Rate	Units	Charge
Base Energy Charge:	\$	0.030632 / kWh	x 29,994,760	\$ 918,799.49
ECA Energy Charge:	\$	(0.000406) / kWh	x 29,994,760	\$ (12,177.87)
Total Energy Charges:				<div>\$ 906,621.62</div>

Other Charges and Credits

Other Charges and Credits	
AMI metering fee - \$0.480/meter for 21,244 meters	\$ 10,197.12
Econ. Dev. Rider - Refer to detailed Qualifying Customer page(s) of this invoice:	\$ (4,155.41)
Total Other Charges and Credits:	\$ 6,041.71

History

	Dec 2022	Dec 2021	2022 YTD
Max Demand (kW):	55,439	51,529	74,579
CP Demand (kW):	55,439	50,103	74,107
Energy (kWh):	29,994,760	28,414,873	370,697,757
CP Load Factor:	72.72%	76.23%	
HDD/CDD (Indianapolis):	976/0	706/0	

IMPACT Delivery Point Details

City of Greenfield

Billing Period: December 1, 2022 to December 31, 2022

Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at GREENFIELD's Maximum Peak on 12/23/22 at 1900 EST				Demand at IMPA's Coincident Peak on 12/23/22 at 1900 EST			
		Date & Time	Max kW	kvar at Max	kVA at Max	Power Factor	kW at Memb Max	kvar at Memb Max	kVA	Power Factor	CP kW	kvar at CP	kVA	Power Factor
TOTAL	29,994,760						55,439	2,908	55,515	99.86%	55,439	2,908	55,515	99.86%
* Greenfield Elmore #1	3,703,805	12/23/22 at 1800 EST	11,525	1,473	11,619	99.19%	9,835	1,040	9,890	99.45%	9,835	1,040	9,890	99.45%
* Greenfield Elmore #2	4,041,263	12/23/22 at 2000 EST	16,061	708	16,077	99.90%	6,586	188	6,589	99.96%	6,586	188	6,589	99.96%
* Greenfield Hastings #1	7,947,909	12/09/22 at 0800 EST	16,482	3,542	16,858	97.77%	6,181	265	6,187	99.91%	6,181	265	6,187	99.91%
* Greenfield Hastings #2	1,730,460	12/14/22 at 0900 EST	3,614	1,301	3,841	94.09%	1,554	651	1,685	92.23%	1,554	651	1,685	92.23%
* Greenfield Riley #1	5,275,751	12/23/22 at 1900 EST	13,200	461	13,208	99.94%	13,200	461	13,208	99.94%	13,200	461	13,208	99.94%
* Greenfield Riley #2	7,152,062	12/23/22 at 1900 EST	18,086	288	18,088	99.99%	18,086	288	18,088	99.99%	18,086	288	18,088	99.99%
* Greenfield Solar	142,481	12/03/22 at 1500 EST	1,798	(177)	1,807	99.52%	(3)	15	15	19.61%	(3)	15	15	19.61%
* Greenfield Customer Gen.	1,029	-	-	-	-	-	-	-	-	-	-	-	-	-
* Greenfield Parker Meters	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Meter Loss Adjustments

Delivery Point	Metered Units					Adjustment Factors		Adjusted Units				
	Energy kWh	kW at Memb Max	kvar at Memb Max	CP kW	kvar at CP	Demand Loss Adj.	Energy Loss Adj.	Energy kWh	kW at Memb Max	kvar at Memb Max	CP kW	kvar at CP
Greenfield Elmore #1	3,696,412	9,806	1,037	9,806	1,037	1.0030	1.0020	3,703,805	9,835	1,040	9,835	1,040
Greenfield Elmore #2	4,033,197	6,566	187	6,566	187	1.0030	1.0020	4,041,263	6,586	188	6,586	188
Greenfield Hastings #1	7,916,244	6,156	264	6,156	264	1.0040	1.0040	7,947,909	6,181	265	6,181	265
Greenfield Hastings #2	1,723,566	1,548	648	1,548	648	1.0040	1.0040	1,730,460	1,554	651	1,554	651

IMPA Delivery Point Details

GREENFIELD Parker Meters

Billing Period: December 1, 2022 to December 31, 2022

[illegible]

Indiana Municipal Power Agency - Economic Development Rider

City of Greenfield

Billing Period: December 1 to 31, 2022

Qualifying Customer: Avery Dennison

Economic Development Rider Credit for Billing Period: December 1 to 31, 2022

Economic Development Rider											
	Baseline Demand* (kW) (A)	Current Month Max Demand (kW) (B)	Qualifying Demand (kW) (C) = (B) - (A)	ED Rider Demand Alloc. % (D) = (C) / (B)	CP Billing Demand (kW) (E)	Baseline Energy (kWh) (F)	Current Month Energy (kWh) (G)	Qualifying Energy (kWh) (H) = (G) - (F)	ED Rider Energy Alloc. % (I) = (H) / (G)	Econ. Dev. Start Month (J)	Economic Dev. Rider (K)
Avery Dennison	3,717	2,727	-	0.0%	966	1,873,806	1,195,790	-	0.0%	Sep-20	10%
	Demand (kW)	Date	Time (EST)								
Avery Dennison - Maximum Demand:	2,727	12/07/22	2100								
CP Billing Demand:	966	12/23/22	1900								
Purchased Power Charges											
	Rate		Units	Allocator	Charge						
Base Demand Charge:	\$	24.202	/ kW x	966 x	0.0%	x \$	-				
ECA Demand Charge:	\$	(0.321)	/ kW x	966 x	0.0%	x \$	-				
Total Demand Charges:						\$	-				
Base Energy Charge:	\$	0.030632	/ kWh x	1,195,790 x	0.0%	x \$	-				
ECA Energy Charge:	\$	(0.000406)	/ kWh x	1,195,790 x	0.0%	x \$	-				
Total Energy Charges:						\$	-				
Total Purchased Power Charges:						\$	-				
Economic Development Rider:							-10%				
Economic Development Rider Credit						\$	-				

* Baseline demand measured from the average monthly peak demand for the twelve calendar months immediately preceding the effective date of the Service Application.

Indiana Municipal Power Agency - Economic Development Rider

City of Greenfield

Billing Period: December 1 to 31, 2022

Qualifying Customer: BWI Indiana Inc.

Economic Development Rider Credit for Billing Period: December 1 to 31, 2022

Economic Development Rider											
	Baseline Demand* (kW) (A)	Current Month Max Demand (kW) (B)	Qualifying Demand (kW) (C) = (B) - (A)	ED Rider Demand Alloc. % (D) = (C) / (B)	CP Billing Demand (kW) (E)	Baseline Energy (kWh) (F)	Current Month Energy (kWh) (G)	Qualifying Energy (kWh) (H) = (G) - (F)	ED Rider Energy Alloc. % (I) = (H) / (G)	Econ. Dev. Start Month (J)	Economic Dev. Rider (K)
BWI Indiana Inc.	1,115	941	-	0.0%	515	435,428	456,235	-	0.0%	Sep-19	10%
	Demand (kW)	Date	Time (EST)								
BWI Indiana Inc. - Maximum Demand:	941	12/08/22	900								
CP Billing Demand:	515	12/23/22	1900								
Purchased Power Charges	Rate		Units	Allocator	Charge						
Base Demand Charge:	\$ 24.202	/ kW x	515 x	0.0%	x \$ -						
ECA Demand Charge:	\$ (0.321)	/ kW x	515 x	0.0%	x \$ -						
Total Demand Charges:					\$ -						
Base Energy Charge:	\$ 0.030632	/ kWh x	456,235 x	0.0%	x \$ -						
ECA Energy Charge:	\$ (0.000406)	/ kWh x	456,235 x	0.0%	x \$ -						
Total Energy Charges:					\$ -						
Total Purchased Power Charges:					\$ -						
Economic Development Rider:					-10%						
Economic Development Rider Credit					\$ -						

* Baseline demand measured from the average monthly peak demand for the twelve calendar months immediately preceding the effective date of the Service Application.

Indiana Municipal Power Agency - Economic Development Rider

City of Greenfield

Billing Period: December 1 to 31, 2022

Qualifying Customer: Yamaha Marine Precision Propellers

Economic Development Rider Credit for Billing Period: December 1 to 31, 2022

Economic Development Rider												
	Baseline Demand* (kW) (A)	Current Month Max Demand (kW) (B)	Qualifying Demand (kW) (C) = (B) - (A)	ED Rider Demand Alloc. % (D) = (C) / (B)	CP Billing Demand (kW) (E)		Baseline Energy (kWh) (F)	Current Month Energy (kWh) (G)	Qualifying Energy (kWh) (H) = (G) - (F)	ED Rider Energy Alloc. % (I) = (H) / (G)	Econ. Dev. Start Month (J)	Economic Dev. Rider (K)
Yamaha Marine Precision Propellers	-	1,305	1,305	100.0%	441		-	560,244	560,244	100.0%	Jun-21	15%
	Demand (kW)	Date	Time (EST)									
Yamaha Marine Precision Propellers - Maximum Demand	1,305	12/13/22	1300									
CP Billing Demand:	441	12/23/22	1900									
Purchased Power Charges	Rate		Units	Allocator	Charge							
Base Demand Charge:	\$ 24.202	/ kW x	441	x 100.0%	x \$ 10,673.08							
ECA Demand Charge:	\$ (0.321)	/ kW x	441	x 100.0%	x \$ (141.56)							
Primary Voltage Charge - Less than 15 kV:	\$ 0.953	/ kW x	249	x 100.0%	x \$ 237.30							
Total Demand Charges:					\$ 10,768.82							
Base Energy Charge:	\$ 0.030632	/ kWh x	560,244	x 100.0%	x \$ 17,161.39							
ECA Energy Charge:	\$ (0.000406)	/ kWh x	560,244	x 100.0%	x \$ (227.46)							
Total Energy Charges:					\$ 16,933.93							
Total Purchased Power Charges:					\$ 27,702.75							
Economic Development Rider:					-15%							
Economic Development Rider Credit					\$ (4,155.41)							

* For a qualifying customer that is establishing new operations, the baseline demand is zero.