

GREENFIELD (INDIANA) MUNICIPAL ELECTRIC UTILITY

ENERGY COST ADJUSTMENT TRACKING FACTOR

4th Quarter, 2023

IMPA Tracker No.

164

PROPOSED ECA FACTOR / KWH	\$0.016884
PREVIOUS ECA FACTOR / KWH	\$0.016915
CHANGE IN ECA / KWH	(\$0.000031)

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:

\$ 0.016884 per kWh

Effective: 4th Quarter, 2023

GREENFIELD (INDIANA) MUNICIPAL ELECTRIC UTILITY
DETERMINATION OF THE RATE ADJUSTMENT FOR THE
4th Quarter, 2023

EXHIBIT I

LINE NO.	DESCRIPTION	OCTOBER (A)	NOVEMBER (B)	DECEMBER (C)	TOTAL (D)	ESTIMATED 3 MONTH AVERAGE (E)
ESTIMATED PURCHASED POWER FROM IMPA						
1	DEMAND (KW)	56,165	47,199	52,284	155,648	51,883
2	ENERGY (KWH)	28,457,046	27,148,487	30,244,361	85,849,894	28,616,631
3	ESTIMATED SALES (KWH) (a)	27,374,540	26,115,759	29,093,866	82,584,165	27,528,055
ESTIMATED TOTAL RATE ADJUSTMENT						
4	DEMAND (b)	\$ 118,227.33	\$ 99,353.90	\$ 110,057.82	\$ 327,639.05	\$ 109,213.02
5	ENERGY (c)	332,122.18	316,849.99	352,981.94	1,001,954.11	333,984.70
6	TOTAL	\$ 450,349.51	\$ 416,203.89	\$ 463,039.76	\$ 1,329,593.16	\$ 443,197.72
<u>VARIANCE</u>						
7	VARIANCE IN RECONCILIATION PERIOD (d)					\$21,590.33
7A	SPECIAL VARIANCE RECONCILIATION - SEE EXHIBIT V					\$ -
8	TOTAL ESTIMATED INCREMENTAL PURCHASED POWER COST (e)					\$ 464,788.05
9	TOTAL ESTIMATED INCREMENTAL PURCHASED POWER COST PER KWH (f)					\$0.016884
10	TOTAL ESTIMATED INCREMENTAL PURCHASED POWER COST PER KWH ADJUSTED FOR I.U.R.T. (g)					\$0.016884
11	SEE EXHIBIT V - IF APPLICABLE					\$0.000000
12	TOTAL TRACKING FACTOR (i)					\$0.016884

(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
4th 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	\$1.797	\$0.002839
5	ESTIMATED TOTAL RATE ADJUSTMENT (d)	\$2.105	\$0.011671

(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
2nd Quarter, 2023

LINE NO.	DESCRIPTION	APRIL (A)	MAY (B)	JUNE (C)	TOTAL (D)	3 MONTH AVERAGE (E)
1	TOTAL SALES SUBJECT TO RATE ADJ. (a)	26,721,533	26,368,365	26,766,543	79,856,441	26,618,814
2	INCREMENTAL COST BILLED BY IMPA (b)	\$325,246.70	\$373,964.02	\$404,156.74	\$1,103,367.46	\$367,789.15
3	INCREMENTAL COST BILLED BY MEMBER (c)	\$345,990.41	\$341,417.59	\$346,573.20	\$1,033,981.20	\$344,660.40
4	INC COST BILLED EXCLUDING I.U.R.T. (d)	\$345,990.41	\$341,417.59	\$346,573.20	\$1,033,981.20	\$344,660.40
5	PREVIOUS VARIANCE (e)	(\$1,538.42)	(\$1,538.42)	(\$1,538.42)	(\$4,615.26)	(\$1,538.42)
6	NET COST BILLED BY MEMBER (f)	\$347,528.83	\$342,956.01	\$348,111.62	\$1,038,596.46	\$346,198.82
7	PURCHASED POWER VARIANCE (g)	(\$22,282.13)	\$31,008.01	\$56,045.12	\$64,771.00	\$21,590.33
(a)	Exhibit IV, Line 3					
(b)	Exhibit IV, Line 14					
(c)	Line 1 times factor approved	4/1/2023	\$0.012948	\$0.012948	\$0.012948	
(d)	Line 3 times the Indiana Utility Receipt Tax Factor of			1.0000		
(e)	Exhibit I, Line 7 of factor approved	4/1/2023				
(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
2nd Quarter, 2023

LINE NO.	DESCRIPTION	APRIL (A)	MAY (B)	JUNE (C)	TOTAL (D)	3 MONTH AVERAGE (E)
	<u>UNITS PURCHASED FROM IMPA</u>					
1	DEMAND (KW)	45,731	63,103	66,210	175,044	58,348
2	ENERGY (KWH)	26,985,827	29,836,789	32,467,710	89,290,326	29,763,442
	<u>TOTAL SALES BILLED BY MEMBER</u>					
3	TOTAL SALES SUBJECT TO RATE ADJ	26,721,533	26,368,365	26,766,543	79,856,441	26,618,814
4	TOTAL SALES NOT SUBJECT TO RATE ADJ	159,858	159,858	159,858	479,574	159,858
5	TOTAL SALES BILLED BY MEMBER	26,881,391	26,528,223	26,926,401	80,336,015	26,778,672
	<u>INCREMENTAL CHANGE IN BASE RATES</u>					
6	DEMAND CHARGE PER KW (a)	\$0.308	\$0.308	\$0.308		
7	ENERGY CHARGE PER KWH (b)	\$0.008832	\$0.008832	\$0.008832		
	<u>ACTUAL ENERGY COST ADJUSTMENT BILLED BY IMPA</u>					
8	DEMAND CHARGE PER KW (c)	\$0.846	\$0.846	\$0.846		
9	ENERGY CHARGE PER KWH (c)	\$0.001337	\$0.001337	\$0.001337		
	<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)	\$1.154	\$1.154	\$1.154		
12	ENERGY - PER KWH (f)	\$0.010169	\$0.010169	\$0.010169		
13	TOTAL INCREMENTAL PURCHASED POWER COST BILLED BY IMPA (g)	\$327,192.45	\$376,231.17	\$406,570.48	\$1,109,994.10	\$369,998.03
14	TOTAL INCREMENTAL PURCHASED POWER COST SUBJECT TO RATE ADJUSTMENT	\$325,246.70	\$373,964.02	\$404,156.74	\$1,103,367.46	\$367,789.15

GREENFIELD (INDIANA) MUNICIPAL ELECTRIC UTILITY

EXHIBIT IV
Page 2 of 2

DETERMINATION OF VARIANCE FOR THE
2nd Quarter, 2023

- | | | | | |
|-----|---|----------|-----|------|
| (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 | APRIL | MAY | JUNE |
| (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 October, November and December
2023 - 4th Quarter**

	Oct	Nov	Dec	Oct	Nov	Dec
	<u>\$/kW-month</u>			<u>\$/kWh</u>		
IMPA's Energy Cost Adjustment	1.797	1.797	1.797	0.002839	0.002839	0.002839
To develop these Energy Cost Adjustment factors, IMPA used the following estimated loads for	<u>kW</u>			<u>kWh</u>		
GREENFIELD	56,165	47,199	52,284	28,457,046	27,148,487	30,244,361



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

Due Date:	Amount Due:
6/14/2023	\$ 2,110,264.44

Billing Period: April 1 to 30, 2023

Invoice No: INV0015810
Invoice Date: 5/15/2023

Summary of Charges	
Demand Charges:	\$ 1,099,230.91
Energy Charges:	\$ 1,009,108.01
Subtotal - Purchased Power Charges*:	\$ 2,108,338.92
Other Charges and Credits:	\$ 1,925.52
Net Amount Due:	\$ 2,110,264.44

*Average Purchased Power Cost: 7.81 cents per kWh

Due Date:	Amount Due:
6/14/2023	\$ 2,110,264.44

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: April 1 to 30, 2023

Due Date:
6/14/2023Amount Due:
\$ 2,110,264.44**Demand**

Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	49,535	7,532	98.86%	04/13/23	1700	75.66%
CP Billing Demand:	45,731	4,205	99.58%	04/17/23	1200	81.96%
kvar at 97% PF:		11,461				
Reactive Demand:		-				
Demand Charges	Rate		Units		Charge	
Base Demand Charge:	\$	22.793 / kW x	45,731		\$	1,042,346.68
ECA Demand Charge:	\$	0.846 / kW x	45,731		\$	38,688.43
Primary Voltage Charge - Less than 15 kV:	\$	1.148 / kW x	15,850		\$	18,195.80
Total Demand Charges:					\$	1,099,230.91

Energy

Energy Information		kWh					
Total Energy:	26,985,827						
Energy Charges		Rate	Units	Charge			
Base Energy Charge:	\$	0.036057 / kWh	x	26,985,827	\$	973,027.96	
ECA Energy Charge:	\$	0.001337 / kWh	x	26,985,827	\$	36,080.05	
Total Energy Charges:						\$	1,009,108.01

Other Charges and Credits

Other Charges and Credits	
AMI metering fee - \$0.480/meter for 21,479 meters	\$ 10,309.92
Econ. Dev. Rider - Refer to detailed Qualifying Customer page(s) of this invoice:	\$ (8,384.40)
Total Other Charges and Credits:	\$ 1,925.52

History

	Apr 2023	Apr 2022	2023 YTD
Max Demand (kW):	49,535	45,844	53,852
CP Demand (kW):	45,731	45,844	53,827
Energy (kWh):	26,985,827	26,615,913	113,539,294
CP Load Factor:	81.96%	80.64%	
HDD/CDD (Indianapolis):	342/20	420/14	

IMPACT Delivery Point Details

City of Greenfield

Billing Period: April 1, 2023 to April 30, 2023

Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at GREENFIELD's Maximum Peak on 04/13/23 at 1700 EST				Demand at IMPA's Coincident Peak on 04/17/23 at 1200 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	26,985,827						49,535	7,532	50,104	98.86%	45,731	4,205	45,924	99.58%
* Greenfield Elmore #1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
* Greenfield Elmore #2	6,533,679	04/20/23 at 1700 EST	12,435	2,094	12,610	98.61%	11,974	1,964	12,134	98.68%	10,674	217	10,676	99.98%
* Greenfield Hastings #1	8,713,162	04/26/23 at 1600 EST	19,470	5,169	20,144	96.65%	17,253	4,036	17,719	97.37%	15,144	2,843	15,409	98.28%
* Greenfield Hastings #2	2,483,695	04/25/23 at 1700 EST	19,891	5,157	20,549	96.80%	3,181	1,241	3,415	93.16%	3,651	1,325	3,884	94.00%
* Greenfield Riley #1	3,548,530	04/20/23 at 2000 EST	7,421	192	7,423	99.97%	4,886	336	4,898	99.76%	6,461	(269)	6,467	99.91%
* Greenfield Riley #2	5,259,741	04/15/23 at 1700 EST	10,397	336	10,402	99.95%	9,898	134	9,899	99.99%	9,389	-	9,389	100.00%
* Greenfield Solar	442,084	04/26/23 at 1500 EST	2,707	(272)	2,721	99.50%	2,343	(179)	2,350	99.71%	412	89	422	97.75%
* Greenfield Customer Gen.	4,936	-	-	-	-	-	-	-	-	-	-	-	-	-
* 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	-	-	-	-	-	1.0030	1.0020	-	-	-	-	-
Greenfield Elmore #2	6,520,638	11,938	1,958	10,642	216	1.0030	1.0020	6,533,679	11,974	1,964	10,674	217
Greenfield Hastings #1	8,678,448	17,184	4,020	15,084	2,832	1.0040	1.0040	8,713,162	17,253	4,036	15,144	2,843
Greenfield Hastings #2	2,473,800	3,168	1,236	3,636	1,320	1.0040	1.0040	2,483,695	3,181	1,241	3,651	1,325

IMPA Delivery Point Details

GREENFIELD Parker Meters

Billing Period: April 1, 2023 to April 30, 2023

[illegible]

Indiana Municipal Power Agency - Economic Development Rider

City of Greenfield

Billing Period: April 1 to 30, 2023

Qualifying Customer: Avery Dennison

Economic Development Rider Credit for Billing Period: April 1 to 30, 2023

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	2,767	-	0.0%	1,875	1,873,806	1,386,573	-	0.0%	Sep-20	10%
	Demand (kW)	Date	Time (EST)								
Avery Dennison - Maximum Demand:	2,767	04/13/23	1300								
CP Billing Demand:	1,875	04/17/23	1200								
Purchased Power Charges	Rate		Units	Allocator	Charge						
Base Demand Charge:	\$ 22.793	/ kW x	1,875 x	0.0%	x \$ -						
ECA Demand Charge:	\$ 0.846	/ kW x	1,875 x	0.0%	x \$ -						
Total Demand Charges:					\$ -						
Base Energy Charge:	\$ 0.036057	/ kWh x	1,386,573 x	0.0%	x \$ -						
ECA Energy Charge:	\$ 0.001337	/ kWh x	1,386,573 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: April 1 to 30, 2023

Qualifying Customer: BWI Indiana Inc.

Economic Development Rider Credit for Billing Period: April 1 to 30, 2023

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	895	-	0.0%	783	435,428	434,630	-	0.0%	Sep-19	10%
	Demand (kW)	Date	Time (EST)								
BWI Indiana Inc. - Maximum Demand:	895	04/28/23	800								
CP Billing Demand:	783	04/17/23	1200								
Purchased Power Charges	Rate		Units	Allocator	Charge						
Base Demand Charge:	\$ 22.793	/ kW x	783 x	0.0%	x \$ -						
ECA Demand Charge:	\$ 0.846	/ kW x	783 x	0.0%	x \$ -						
Total Demand Charges:					\$ -						
Base Energy Charge:	\$ 0.036057	/ kWh x	434,630 x	0.0%	x \$ -						
ECA Energy Charge:	\$ 0.001337	/ kWh x	434,630 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: April 1 to 30, 2023

Qualifying Customer: Yamaha Marine Precision Propellers

Economic Development Rider Credit for Billing Period: April 1 to 30, 2023

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	-	1,527	1,527	100.0%	1,272		-	677,138	677,138	100.0%	Jun-21	15%
	Demand (kW)	Date	Time (EST)									
Yamaha Marine Precision Propellers - Maximum Demand	1,527	04/14/23	1300									
CP Billing Demand:	1,272	04/17/23	1200									
Purchased Power Charges	Rate		Units	Allocator	Charge							
Base Demand Charge:	\$ 22.793	/ kW x	1,272 x	100.0%	x \$ 28,992.70							
ECA Demand Charge:	\$ 0.846	/ kW x	1,272 x	100.0%	x \$ 1,076.11							
Primary Voltage Charge - Less than 15 kV:	\$ 1.148	/ kW x	441 x	100.0%	x \$ 506.27							
Total Demand Charges:					\$ 30,575.08							
Base Energy Charge:	\$ 0.036057	/ kWh x	677,138 x	100.0%	x \$ 24,415.56							
ECA Energy Charge:	\$ 0.001337	/ kWh x	677,138 x	100.0%	x \$ 905.33							
Total Energy Charges:					\$ 25,320.89							
Total Purchased Power Charges:					\$ 55,895.97							
Economic Development Rider:					-15%							
Economic Development Rider Credit					\$ (8,384.40)							



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

Due Date:	Amount Due:
7/14/2023	\$ 2,638,331.31

Billing Period: May 1 to 31, 2023

Invoice No: INV0015911
Invoice Date: 6/14/2023

Summary of Charges	
Demand Charges:	\$ 1,521,580.00
Energy Charges:	\$ 1,115,716.89
Subtotal - Purchased Power Charges*:	\$ 2,637,296.89
Other Charges and Credits:	\$ 1,034.42
Net Amount Due:	\$ 2,638,331.31

*Average Purchased Power Cost: 8.84 cents per kWh

Due Date:	Amount Due:
7/14/2023	\$ 2,638,331.31

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: May 1 to 31, 2023

Due Date:
7/14/2023Amount Due:
\$ 2,638,331.31**Demand**

Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	63,122	12,923	97.97%	05/30/23	1700	63.53%
CP Billing Demand:	63,103	13,632	97.75%	05/31/23	1500	63.55%
kvar at 97% PF:		15,815				
Reactive Demand:		-				
Demand Charges	Rate		Units		Charge	
Base Demand Charge:	\$	22.793 / kW x	63,103		\$	1,438,306.68
ECA Demand Charge:	\$	0.846 / kW x	63,103		\$	53,385.14
Primary Voltage Charge - Less than 15 kV:	\$	1.148 / kW x	26,035		\$	29,888.18
Total Demand Charges:					\$	1,521,580.00

Energy

Energy Information		kWh				
Total Energy:	29,836,789					
Energy Charges		Rate	Units	Charge		
Base Energy Charge:	\$	0.036057 / kWh	x	29,836,789	\$	1,075,825.10
ECA Energy Charge:	\$	0.001337 / kWh	x	29,836,789	\$	39,891.79
Total Energy Charges:						<u><u>\$ 1,115,716.89</u></u>

Other Charges and Credits

Other Charges and Credits	
AMI metering fee - \$0.480/meter for 21,590 meters	\$ 10,363.20
Econ. Dev. Rider - Refer to detailed Qualifying Customer page(s) of this invoice:	\$ (9,328.78)
Total Other Charges and Credits:	\$ 1,034.42

History

	May 2023	May 2022	2023 YTD
Max Demand (kW):	63,122	64,154	63,122
CP Demand (kW):	63,103	64,154	63,103
Energy (kWh):	29,836,789	29,848,967	143,376,083
CP Load Factor:	63.55%	62.54%	
HDD/CDD (Indianapolis):	99/82	81/120	

IMPA Delivery Point Details

City of Greenfield
Billing Period: May 1, 2023 to May 31, 2023

Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at GREENFIELD's Maximum Peak on 05/30/23 at 1700 EST				Demand at IMPA's Coincident Peak on 05/31/23 at 1500 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	29,836,789						63,122	12,923	64,431	97.97%	63,103	13,632	64,559	97.75%
* Greenfield Elmore #1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
* Greenfield Elmore #2	7,360,509	05/30/23 at 1600 EST	15,829	3,336	16,177	97.85%	15,772	3,264	16,106	97.93%	15,743	3,423	16,111	97.72%
* Greenfield Hastings #1	10,165,584	05/31/23 at 1200 EST	18,686	5,193	19,394	96.35%	16,482	4,241	17,019	96.85%	17,915	4,964	18,590	96.37%
* Greenfield Hastings #2	1,861,067	05/31/23 at 1200 EST	3,892	1,855	4,311	90.27%	3,518	1,626	3,876	90.77%	3,410	1,626	3,778	90.26%
* Greenfield Riley #1	3,922,778	05/30/23 at 1700 EST	11,299	1,632	11,416	98.97%	11,299	1,632	11,416	98.97%	10,752	1,536	10,861	98.99%
* Greenfield Riley #2	5,932,116	05/30/23 at 1700 EST	16,051	2,160	16,196	99.11%	16,051	2,160	16,196	99.11%	15,283	2,083	15,424	99.08%
* Greenfield Solar	588,995	05/04/23 at 1100 EST	2,655	(210)	2,663	99.69%	-	-	-	-	-	-	-	-
* Greenfield Customer Gen.	5,740	-	-	-	-	-	-	-	-	-	-	-	-	-
* 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	-	-	-	-	-	1.0030	1.0020	-	-	-	-	-
Greenfield Elmore #2	7,345,817	15,725	3,254	15,696	3,413	1.0030	1.0020	7,360,509	15,772	3,264	15,743	3,423
Greenfield Hastings #1	10,125,084	16,416	4,224	17,844	4,944	1.0040	1.0040	10,165,584	16,482	4,241	17,915	4,964
Greenfield Hastings #2	1,853,652	3,504	1,620	3,396	1,620	1.0040	1.0040	1,861,067	3,518	1,626	3,410	1,626

IMPA Delivery Point Details

GREENFIELD Parker Meters

Billing Period: May 1, 2023 to May 31, 2023

[illegible]

Indiana Municipal Power Agency - Economic Development Rider

City of Greenfield

Billing Period: May 1 to 31, 2023

Qualifying Customer: Avery Dennison

Economic Development Rider Credit for Billing Period: May 1 to 31, 2023

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	3,401	-	0.0%	3,144	1,873,806	1,529,656	-	0.0%	Sep-20	10%
	Demand (kW)	Date	Time (EST)								
Avery Dennison - Maximum Demand:	3,401	05/31/23	1100								
CP Billing Demand:	3,144	05/31/23	1500								
Purchased Power Charges	Rate		Units	Allocator	Charge						
Base Demand Charge:	\$ 22.793	/ kW x	3,144 x	0.0%	x \$ -						
ECA Demand Charge:	\$ 0.846	/ kW x	3,144 x	0.0%	x \$ -						
Total Demand Charges:					\$ -						
Base Energy Charge:	\$ 0.036057	/ kWh x	1,529,656 x	0.0%	x \$ -						
ECA Energy Charge:	\$ 0.001337	/ kWh x	1,529,656 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: May 1 to 31, 2023

Qualifying Customer: BWI Indiana Inc.

Economic Development Rider Credit for Billing Period: May 1 to 31, 2023

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	889	-	0.0%	706	435,428	456,018	-	0.0%	Sep-19	10%
	Demand (kW)	Date	Time (EST)								
BWI Indiana Inc. - Maximum Demand:	889	05/01/23	800								
CP Billing Demand:	706	05/31/23	1500								
Purchased Power Charges	Rate		Units	Allocator	Charge						
Base Demand Charge:	\$ 22.793	/ kW x	706 x	0.0%	x \$ -						
ECA Demand Charge:	\$ 0.846	/ kW x	706 x	0.0%	x \$ -						
Total Demand Charges:					\$ -						
Base Energy Charge:	\$ 0.036057	/ kWh x	456,018 x	0.0%	x \$ -						
ECA Energy Charge:	\$ 0.001337	/ kWh x	456,018 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: May 1 to 31, 2023

Qualifying Customer: Yamaha Marine Precision Propellers

Economic Development Rider Credit for Billing Period: May 1 to 31, 2023

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	-	1,724	1,724	100.0%	1,437	-	736,532	736,532	100.0%	Jun-21	15%
	Demand (kW)	Date	Time (EST)								
Yamaha Marine Precision Propellers - Maximum Demand	1,724	05/30/23	1600								
CP Billing Demand:	1,437	05/31/23	1500								
Purchased Power Charges											
	Rate		Units	Allocator	Charge						
Base Demand Charge:	\$	22.793	/ kW x	1,437 x 100.0%	x \$ 32,753.54						
ECA Demand Charge:	\$	0.846	/ kW x	1,437 x 100.0%	x \$ 1,215.70						
Primary Voltage Charge - Less than 15 kV:	\$	1.148	/ kW x	593 x 100.0%	x \$ 680.76						
Total Demand Charges:					\$ 34,650.00						
Base Energy Charge:	\$	0.036057	/ kWh x	736,532 x 100.0%	x \$ 26,557.13						
ECA Energy Charge:	\$	0.001337	/ kWh x	736,532 x 100.0%	x \$ 984.74						
Total Energy Charges:					\$ 27,541.87						
Total Purchased Power Charges:					\$ 62,191.87						
Economic Development Rider:					-15%						
Economic Development Rider Credit					\$ (9,328.78)						

* 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:
8/14/2023	\$ 2,816,409.88

Billing Period: June 1 to 30, 2023

Invoice No: INV0016034
Invoice Date: 7/14/2023

Summary of Charges	
Demand Charges:	\$ 1,598,200.59
Energy Charges:	\$ 1,214,097.55
Subtotal - Purchased Power Charges*:	\$ 2,812,298.14
Other Charges and Credits:	\$ 4,111.74
Net Amount Due:	\$ 2,816,409.88

*Average Purchased Power Cost: 8.66 cents per kWh

Due Date:	Amount Due:
8/14/2023	\$ 2,816,409.88

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: June 1 to 30, 2023

Due Date:
8/14/2023Amount Due:
\$ 2,816,409.88**Demand**

Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	66,554	14,458	97.72%	06/01/23	1700	67.76%
CP Billing Demand:	66,210	13,990	97.84%	06/01/23	1600	68.11%
kvar at 97% PF:		16,594				
Reactive Demand:		-				
Demand Charges	Rate		Units		Charge	
Base Demand Charge:	\$	22.793 / kW x	66,210		\$	1,509,124.53
ECA Demand Charge:	\$	0.846 / kW x	66,210		\$	56,013.66
Primary Voltage Charge - Less than 15 kV:	\$	1.148 / kW x	28,800		\$	33,062.40
Total Demand Charges:					\$	1,598,200.59

Energy

Energy Information		kWh		
Total Energy:	32,467,710			
Energy Charges		Rate	Units	Charge
Base Energy Charge:	\$	0.036057 / kWh	x 32,467,710	\$ 1,170,688.22
ECA Energy Charge:	\$	0.001337 / kWh	x 32,467,710	\$ 43,409.33
Total Energy Charges:				<u><u>\$ 1,214,097.55</u></u>

Other Charges and Credits

Other Charges and Credits	
AMI metering fee - \$0.480/meter for 21,697 meters	\$ 10,414.56
Econ. Dev. Rider - Refer to detailed Qualifying Customer page(s) of this invoice:	\$ (6,302.82)
Total Other Charges and Credits:	\$ 4,111.74

History

	Jun 2023	Jun 2022	2023 YTD
Max Demand (kW):	66,554	74,579	66,554
CP Demand (kW):	66,210	74,107	66,210
Energy (kWh):	32,467,710	34,052,272	175,843,793
CP Load Factor:	68.11%	63.82%	
HDD/CDD (Indianapolis):	13/209	0/282	

IMPA Delivery Point Details

City of Greenfield
Billing Period: June 1, 2023 to June 30, 2023

Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at GREENFIELD's Maximum Peak on 06/01/23 at 1700 EST				Demand at IMPA's Coincident Peak on 06/01/23 at 1600 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	32,467,710						66,554	14,458	68,106	97.72%	66,210	13,990	67,672	97.84%
* Greenfield Elmore #1	3,076,663	06/30/23 at 1600 EST	12,421	2,758	12,724	97.62%	-	-	-	-	-	-	-	-
* Greenfield Elmore #2	4,918,906	06/01/23 at 1700 EST	16,711	3,597	17,094	97.76%	16,711	3,597	17,094	97.76%	16,494	3,495	16,860	97.83%
* Greenfield Hastings #1	10,895,320	06/07/23 at 1200 EST	19,674	5,446	20,414	96.38%	17,132	4,723	17,771	96.40%	17,458	4,446	18,015	96.91%
* Greenfield Hastings #2	1,809,079	06/28/23 at 0900 EST	3,976	1,687	4,319	92.06%	3,229	1,386	3,514	91.89%	3,458	1,518	3,777	91.57%
* Greenfield Riley #1	4,516,767	06/01/23 at 1700 EST	12,250	2,198	12,446	98.43%	12,250	2,198	12,446	98.43%	11,981	2,102	12,164	98.50%
* Greenfield Riley #2	6,791,549	06/30/23 at 1600 EST	17,587	2,726	17,797	98.82%	17,232	2,554	17,420	98.92%	16,819	2,429	16,993	98.97%
* Greenfield Solar	455,069	06/25/23 at 1200 EST	2,626	(202)	2,634	99.71%	-	-	-	-	-	-	-	-
* Greenfield Customer Gen.	4,357	-	-	-	-	-	-	-	-	-	-	-	-	-
* 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	3,070,522	-	-	-	-	1.0030	1.0020	3,076,663	-	-	-	-
Greenfield Elmore #2	4,909,088	16,661	3,586	16,445	3,485	1.0030	1.0020	4,918,906	16,711	3,597	16,494	3,495
Greenfield Hastings #1	10,851,912	17,064	4,704	17,388	4,428	1.0040	1.0040	10,895,320	17,132	4,723	17,458	4,446
Greenfield Hastings #2	1,801,872	3,216	1,380	3,444	1,512	1.0040	1.0040	1,809,079	3,229	1,386	3,458	1,518

IMPA Delivery Point Details

GREENFIELD Parker Meters

Billing Period: June 1, 2023 to June 30, 2023

[illegible]

Indiana Municipal Power Agency - Economic Development Rider

City of Greenfield

Billing Period: June 1 to 30, 2023

Qualifying Customer: Avery Dennison

Economic Development Rider Credit for Billing Period: June 1 to 30, 2023

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	3,416	-	0.0%	2,803	1,873,806	1,786,873	-	0.0%	Sep-20	10%
	Demand (kW)	Date	Time (EST)								
Avery Dennison - Maximum Demand:	3,416	06/26/23	1800								
CP Billing Demand:	2,803	06/01/23	1600								
Purchased Power Charges	Rate		Units	Allocator	Charge						
Base Demand Charge:	\$ 22.793	/ kW x	2,803 x	0.0%	x \$ -						
ECA Demand Charge:	\$ 0.846	/ kW x	2,803 x	0.0%	x \$ -						
Total Demand Charges:					\$ -						
Base Energy Charge:	\$ 0.036057	/ kWh x	1,786,873 x	0.0%	x \$ -						
ECA Energy Charge:	\$ 0.001337	/ kWh x	1,786,873 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: June 1 to 30, 2023

Qualifying Customer: BWI Indiana Inc.

Economic Development Rider Credit for Billing Period: June 1 to 30, 2023

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	917	-	0.0%	663	435,428	461,411	-	0.0%	Sep-19	10%
	Demand (kW)	Date	Time (EST)								
BWI Indiana Inc. - Maximum Demand:	917	06/13/23	1000								
CP Billing Demand:	663	06/01/23	1600								
Purchased Power Charges	Rate		Units	Allocator	Charge						
Base Demand Charge:	\$ 22.793	/ kW x	663 x	0.0%	x \$ -						
ECA Demand Charge:	\$ 0.846	/ kW x	663 x	0.0%	x \$ -						
Total Demand Charges:					\$ -						
Base Energy Charge:	\$ 0.036057	/ kWh x	461,411 x	0.0%	x \$ -						
ECA Energy Charge:	\$ 0.001337	/ kWh x	461,411 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: June 1 to 30, 2023

Qualifying Customer: Yamaha Marine Precision Propellers

Economic Development Rider Credit for Billing Period: June 1 to 30, 2023

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	-	1,544	1,544	100.0%	1,454	-	746,953	746,953	100.0%	Jun-21	10%
	Demand (kW)	Date	Time (EST)								
Yamaha Marine Precision Propellers - Maximum Demand	1,544	06/13/23	400								
CP Billing Demand:	1,454	06/01/23	1600								
Purchased Power Charges											
	Rate		Units	Allocator	Charge						
Base Demand Charge:	\$	22.793	/ kW x	1,454 x 100.0%	x \$ 33,141.02						
ECA Demand Charge:	\$	0.846	/ kW x	1,454 x 100.0%	x \$ 1,230.08						
Primary Voltage Charge - Less than 15 kV:	\$	1.148	/ kW x	632 x 100.0%	x \$ 725.54						
Total Demand Charges:					\$ 35,096.64						
Base Energy Charge:	\$	0.036057	/ kWh x	746,953 x 100.0%	x \$ 26,932.88						
ECA Energy Charge:	\$	0.001337	/ kWh x	746,953 x 100.0%	x \$ 998.68						
Total Energy Charges:					\$ 27,931.56						
Total Purchased Power Charges:					\$ 63,028.20						
Economic Development Rider:					-10%						
Economic Development Rider Credit					\$ (6,302.82)						

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