

GREENFIELD (INDIANA) MUNICIPAL ELECTRIC UTILITY

ENERGY COST ADJUSTMENT TRACKING FACTOR

3rd Quarter, 2023

IMPA Tracker No.

163

PROPOSED ECA FACTOR / KWH	\$0.016915
PREVIOUS ECA FACTOR / KWH	\$0.012948
CHANGE IN ECA / KWH	\$0.003967

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:

\$ 0.016915 per kWh

Effective: 3rd Quarter, 2023

GREENFIELD (INDIANA) MUNICIPAL ELECTRIC UTILITY
DETERMINATION OF THE RATE ADJUSTMENT FOR THE
3rd Quarter, 2023

EXHIBIT I

LINE NO.	DESCRIPTION	JULY (A)	AUGUST (B)	SEPTEMBER (C)	TOTAL (D)	ESTIMATED 3 MONTH AVERAGE (E)
ESTIMATED PURCHASED POWER FROM IMPA						
1	DEMAND (KW)	72,060	72,047	67,922	212,029	70,676
2	ENERGY (KWH)	36,365,327	35,350,349	29,596,439	101,312,115	33,770,705
3	ESTIMATED SALES (KWH) (a)	34,981,990	34,005,622	28,470,590	97,458,202	32,486,067
ESTIMATED TOTAL RATE ADJUSTMENT						
4	DEMAND (b)	\$ 151,686.30	\$ 151,658.94	\$ 142,975.81	\$ 446,321.05	\$ 148,773.68
5	ENERGY (c)	424,419.73	412,573.92	345,420.04	1,182,413.69	394,137.90
6	TOTAL	\$ 576,106.03	\$ 564,232.86	\$ 488,395.85	\$ 1,628,734.74	\$ 542,911.58
<u>VARIANCE</u>						
7	VARIANCE IN RECONCILIATION PERIOD (d)					\$6,595.42
7A	SPECIAL VARIANCE RECONCILIATION - SEE EXHIBIT V					\$ -
8	TOTAL ESTIMATED INCREMENTAL PURCHASED POWER COST (e)					\$ 549,507.00
9	TOTAL ESTIMATED INCREMENTAL PURCHASED POWER COST PER KWH (f)					\$0.016915
10	TOTAL ESTIMATED INCREMENTAL PURCHASED POWER COST PER KWH ADJUSTED FOR I.U.R.T. (g)					\$0.016915
11	SEE EXHIBIT V - IF APPLICABLE					\$0.000000
12	TOTAL TRACKING FACTOR (i)					\$0.016915

(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
3rd 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
1st Quarter, 2023

LINE NO.	DESCRIPTION		JANUARY (A)	FEBRUARY (B)	MARCH (C)	TOTAL (D)	3 MONTH AVERAGE (E)
1	TOTAL SALES SUBJECT TO RATE ADJ. (a)		26,715,757	29,706,073	26,602,203	83,024,033	27,674,678
2	INCREMENTAL COST BILLED BY IMPA (b)		\$367,394.68	\$335,863.30	\$352,276.92	\$1,055,534.90	\$351,844.97
3	INCREMENTAL COST BILLED BY MEMBER (c)		\$335,683.49	\$373,256.81	\$334,256.68	\$1,043,196.97	\$347,732.32
4	INC COST BILLED EXCLUDING I.U.R.T. (d)		\$330,983.92	\$368,031.21	\$329,577.09	\$1,028,592.22	\$342,864.07
5	PREVIOUS VARIANCE (e)		(\$2,385.48)	(\$2,385.48)	(\$2,385.48)	(\$7,156.44)	(\$2,385.48)
6	NET COST BILLED BY MEMBER (f)		\$333,369.40	\$370,416.69	\$331,962.57	\$1,035,748.66	\$345,249.55
7	PURCHASED POWER VARIANCE (g)		\$34,025.28	(\$34,553.39)	\$20,314.35	\$19,786.24	\$6,595.42
(a)	Exhibit IV, Line 3						
(b)	Exhibit IV, Line 14						
(c)	Line 1 times factor approved	1/1/2023	\$0.012565	\$0.012565	\$0.012565		
(d)	Line 3 times the Indiana Utility Receipt Tax Factor of			0.9860			
(e)	Exhibit I, Line 7 of factor approved	1/1/2023					
(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
1st Quarter, 2023

LINE NO.	DESCRIPTION	JANUARY (A)	FEBRUARY (B)	MARCH (C)	TOTAL (D)	3 MONTH AVERAGE (E)
<u>UNITS PURCHASED FROM IMPA</u>						
1	DEMAND (KW)	53,493	53,827	49,955	157,275	52,425
2	ENERGY (KWH)	30,274,572	27,097,486	29,181,409	86,553,467	28,851,156
<u>TOTAL SALES BILLED BY MEMBER</u>						
3	TOTAL SALES SUBJECT TO RATE ADJ	26,715,757	29,706,073	26,602,203	83,024,033	27,674,678
4	TOTAL SALES NOT SUBJECT TO RATE ADJ	159,858	159,858	159,858	479,574	159,858
5	TOTAL SALES BILLED BY MEMBER	26,875,615	29,865,931	26,762,061	83,503,607	27,834,536
<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)	\$369,593.04	\$337,670.69	\$354,393.82	\$1,061,657.56	\$353,885.85
14	TOTAL INCREMENTAL PURCHASED POWER COST SUBJECT TO RATE ADJUSTMENT	\$367,394.68	\$335,863.30	\$352,276.92	\$1,055,534.90	\$351,844.97

GREENFIELD (INDIANA) MUNICIPAL ELECTRIC UTILITY

EXHIBIT IV

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DETERMINATION OF VARIANCE FOR THE
1st 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	JANUARY	FEBRUARY	MARCH
(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 July, August and September
2023 - 3rd Quarter**

	Jul	Aug	Sep	Jul	Aug	Sep
	<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	72,060	72,047	67,922	36,365,327	35,350,349	29,596,439



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

Due Date:	Amount Due:
3/16/2023	\$ 2,422,970.44

Billing Period: January 1 to 31, 2023

Invoice No: INV0015517
Invoice Date: 2/14/2023

Summary of Charges

Demand Charges:	\$ 1,288,920.62
Energy Charges:	\$ 1,132,087.34
Subtotal - Purchased Power Charges*:	\$ 2,421,007.96
Other Charges and Credits:	\$ 1,962.48
Net Amount Due:	\$ 2,422,970.44

*Average Purchased Power Cost: 8.00 cents per kWh

Due Date:	Amount Due:
3/16/2023	\$ 2,422,970.44

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: January 1 to 31, 2023

Due Date:
3/16/2023Amount Due:
\$ 2,422,970.44**Demand**

Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	53,493	5,592	99.46%	01/31/23	1000	76.07%
CP Billing Demand:	53,493	5,592	99.46%	01/31/23	1000	76.07%
kvar at 97% PF:		13,407				
Reactive Demand:		-				
Demand Charges	Rate		Units		Charge	
Base Demand Charge:	\$	22.793 / kW x	53,493		\$	1,219,265.95
ECA Demand Charge:	\$	0.846 / kW x	53,493		\$	45,255.08
Primary Voltage Charge - Less than 15 kV:	\$	1.148 / kW x	21,254		\$	24,399.59
Total Demand Charges:					\$	1,288,920.62

Energy

Energy Information		kWh		
Total Energy:	30,274,572			
Energy Charges		Rate	Units	Charge
Base Energy Charge:	\$	0.036057 / kWh	x 30,274,572	\$ 1,091,610.24
ECA Energy Charge:	\$	0.001337 / kWh	x 30,274,572	\$ 40,477.10
Total Energy Charges:				<u>\$ 1,132,087.34</u>

Other Charges and Credits

Other Charges and Credits	
AMI metering fee - \$0.480/meter for 21,340 meters	\$ 10,243.20
Econ. Dev. Rider - Refer to detailed Qualifying Customer page(s) of this invoice:	\$ (8,280.72)
Total Other Charges and Credits:	\$ 1,962.48

History

	Jan 2023	Jan 2022	2023 YTD
Max Demand (kW):	53,493	55,681	53,493
CP Demand (kW):	53,493	55,102	53,493
Energy (kWh):	30,274,572	32,684,465	30,274,572
CP Load Factor:	76.07%	79.73%	
HDD/CDD (Indianapolis):	859/0	1217/0	

IMPACT Delivery Point Details

City of Greenfield

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

Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at GREENFIELD's Maximum Peak on 01/31/23 at 1000 EST				Demand at IMPA's Coincident Peak on 01/31/23 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	30,274,572						53,493	5,592	53,784	99.46%	53,493	5,592	53,784	99.46%
* Greenfield Elmore #1	4,358	01/05/23 at 1200 EST	3,279	115	3,281	99.94%	-	-	-	-	-	-	-	-
* Greenfield Elmore #2	7,373,095	01/31/23 at 1000 EST	13,157	751	13,178	99.84%	13,157	751	13,178	99.84%	13,157	751	13,178	99.84%
* Greenfield Hastings #1	9,264,539	01/27/23 at 1000 EST	19,265	4,217	19,721	97.69%	15,409	3,277	15,754	97.81%	15,409	3,277	15,754	97.81%
* Greenfield Hastings #2	1,870,994	01/12/23 at 1400 EST	3,711	1,578	4,033	92.03%	3,482	1,289	3,713	93.78%	3,482	1,289	3,713	93.78%
* Greenfield Riley #1	5,029,176	01/31/23 at 1900 EST	9,638	96	9,638	100.00%	9,254	202	9,256	99.98%	9,254	202	9,256	99.98%
* Greenfield Riley #2	6,616,132	01/31/23 at 1900 EST	12,202	-	12,202	100.00%	12,000	-	12,000	100.00%	12,000	-	12,000	100.00%
* Greenfield Solar	115,200	01/15/23 at 1500 EST	1,739	(177)	1,748	99.49%	191	73	204	93.41%	191	73	204	93.41%
* Greenfield Customer Gen.	1,078	-	-	-	-	-	-	-	-	-	-	-	-	-
* 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	4,349	-	-	-	-	1.0030	1.0020	4,358	-	-	-	-
Greenfield Elmore #2	7,358,378	13,118	749	13,118	749	1.0030	1.0020	7,373,095	13,157	751	13,157	751
Greenfield Hastings #1	9,227,628	15,348	3,264	15,348	3,264	1.0040	1.0040	9,264,539	15,409	3,277	15,409	3,277
Greenfield Hastings #2	1,863,540	3,468	1,284	3,468	1,284	1.0040	1.0040	1,870,994	3,482	1,289	3,482	1,289

IMPA Delivery Point Details

GREENFIELD Parker Meters

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

[illegible]

Indiana Municipal Power Agency - Economic Development Rider

City of Greenfield

Billing Period: January 1 to 31, 2023

Qualifying Customer: Avery Dennison

Economic Development Rider Credit for Billing Period: January 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	2,772	-	0.0%	1,874	1,873,806	1,394,153	-	0.0%	Sep-20	10%
	Demand (kW)	Date	Time (EST)								
Avery Dennison - Maximum Demand:	2,772	01/21/23	900								
CP Billing Demand:	1,874	01/31/23	1000								
Purchased Power Charges	Rate		Units	Allocator	Charge						
Base Demand Charge:	\$ 22.793	/ kW x	1,874 x	0.0%	x \$ -						
ECA Demand Charge:	\$ 0.846	/ kW x	1,874 x	0.0%	x \$ -						
Total Demand Charges:					\$ -						
Base Energy Charge:	\$ 0.036057	/ kWh x	1,394,153 x	0.0%	x \$ -						
ECA Energy Charge:	\$ 0.001337	/ kWh x	1,394,153 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: January 1 to 31, 2023

Qualifying Customer: BWI Indiana Inc.
Economic Development Rider Credit for Billing Period: January 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	965	-	0.0%	760	435,428	481,948	-	0.0%	Sep-19	10%
	Demand (kW)	Date	Time (EST)								
BWI Indiana Inc. - Maximum Demand:	965	01/30/23	1100								
CP Billing Demand:	760	01/31/23	1000								
Purchased Power Charges	Rate		Units	Allocator	Charge						
Base Demand Charge:	\$ 22.793	/ kW x	760 x	0.0%	x \$ -						
ECA Demand Charge:	\$ 0.846	/ kW x	760 x	0.0%	x \$ -						
Total Demand Charges:					\$ -						
Base Energy Charge:	\$ 0.036057	/ kWh x	481,948 x	0.0%	x \$ -						
ECA Energy Charge:	\$ 0.001337	/ kWh x	481,948 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: January 1 to 31, 2023

Qualifying Customer: Yamaha Marine Precision Propellers

Economic Development Rider Credit for Billing Period: January 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	-	1,548	1,548	100.0%	1,261	-	663,766	663,766	100.0%	Jun-21	15%
	Demand (kW)	Date	Time (EST)								
Yamaha Marine Precision Propellers - Maximum Demand	1,548	01/12/23	1400								
CP Billing Demand:	1,261	01/31/23	1000								
Purchased Power Charges	Rate	Units	Allocator	Charge							
Base Demand Charge:	\$ 22.793	/ kW x	1,261 x 100.0%	\$ 28,741.97							
ECA Demand Charge:	\$ 0.846	/ kW x	1,261 x 100.0%	\$ 1,066.81							
Primary Voltage Charge - Less than 15 kV:	\$ 1.148	/ kW x	501 x 100.0%	\$ 575.15							
Total Demand Charges:				\$ 30,383.93							
Base Energy Charge:	\$ 0.036057	/ kWh x	663,766 x 100.0%	\$ 23,933.41							
ECA Energy Charge:	\$ 0.001337	/ kWh x	663,766 x 100.0%	\$ 887.46							
Total Energy Charges:				\$ 24,820.87							
Total Purchased Power Charges:				\$ 55,204.80							
Economic Development Rider:				-15%							
Economic Development Rider Credit				\$ (8,280.72)							

* 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:
4/13/2023	\$ 2,313,375.54

Billing Period: February 1 to 28, 2023

Invoice No: INV0015608
Invoice Date: 3/14/2023

Summary of Charges	
Demand Charges:	\$ 1,297,643.75
Energy Charges:	\$ 1,013,283.39
Subtotal - Purchased Power Charges*:	\$ 2,310,927.14
Other Charges and Credits:	\$ 2,448.40
Net Amount Due:	\$ 2,313,375.54

*Average Purchased Power Cost: 8.53 cents per kWh

Due Date:	Amount Due:
4/13/2023	\$ 2,313,375.54

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: February 1 to 28, 2023

Due Date:
4/13/2023Amount Due:
\$ 2,313,375.54**Demand**

Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	53,852	5,051	99.56%	02/01/23	800	74.88%
CP Billing Demand:	53,827	5,159	99.54%	02/01/23	900	74.91%
kvar at 97% PF:		13,490				
Reactive Demand:		-				
Demand Charges	Rate		Units		Charge	
Base Demand Charge:	\$	22.793 / kW	x	53,827	\$	1,226,878.81
ECA Demand Charge:	\$	0.846 / kW	x	53,827	\$	45,537.64
Primary Voltage Charge - Less than 15 kV:	\$	1.148 / kW	x	21,975	\$	25,227.30
Total Demand Charges:					\$	1,297,643.75

Energy

Energy Information		kWh		
Total Energy:		27,097,486		
Energy Charges		Rate	Units	Charge
Base Energy Charge:		\$ 0.036057 / kWh	x 27,097,486	\$ 977,054.05
ECA Energy Charge:		\$ 0.001337 / kWh	x 27,097,486	\$ 36,229.34
Total Energy Charges:				<u><u>\$ 1,013,283.39</u></u>

Other Charges and Credits

Other Charges and Credits	
AMI metering fee - \$0.480/meter for 21,384 meters	\$ 10,264.32
Econ. Dev. Rider - Refer to detailed Qualifying Customer page(s) of this invoice:	\$ (7,815.92)
Total Other Charges and Credits:	\$ 2,448.40

History

	Feb 2023	Feb 2022	2023 YTD
Max Demand (kW):	53,852	52,268	53,852
CP Demand (kW):	53,827	51,868	53,827
Energy (kWh):	27,097,486	28,672,334	57,372,058
CP Load Factor:	74.91%	82.26%	
HDD/CDD (Indianapolis):	694/0	954/0	

IMPA Delivery Point Details

City of Greenfield
Billing Period: February 1, 2023 to February 28, 2023

Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at GREENFIELD's Maximum Peak on 02/01/23 at 0800 EST				Demand at IMPA's Coincident Peak on 02/01/23 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	27,097,486						53,852	5,051	54,088	99.56%	53,827	5,159	54,074	99.54%
* Greenfield Elmore #1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
* Greenfield Elmore #2	6,486,064	02/01/23 at 0800 EST	13,302	636	13,317	99.89%	13,302	636	13,317	99.89%	13,085	650	13,101	99.88%
* Greenfield Hastings #1	8,764,378	02/09/23 at 1300 EST	16,397	3,470	16,760	97.83%	14,879	2,843	15,148	98.22%	15,144	2,904	15,420	98.21%
* Greenfield Hastings #2	2,186,013	02/24/23 at 0900 EST	5,482	1,530	5,692	96.32%	3,265	1,313	3,519	92.78%	3,410	1,361	3,672	92.88%
* Greenfield Riley #1	4,139,296	02/01/23 at 0800 EST	10,003	230	10,006	99.97%	10,003	230	10,006	99.97%	9,581	182	9,583	99.98%
* Greenfield Riley #2	5,200,594	02/01/23 at 0800 EST	12,403	-	12,403	100.00%	12,403	-	12,403	100.00%	12,394	-	12,394	100.00%
* Greenfield Solar	317,575	02/21/23 at 1100 EST	2,447	(223)	2,457	99.59%	-	29	29	-	213	62	222	96.02%
* Greenfield Customer Gen.	3,566	-	-	-	-	-	-	-	-	-	-	-	-	-
* 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	6,473,118	13,262	634	13,046	648	1.0030	1.0020	6,486,064	13,302	636	13,085	650
Greenfield Hastings #1	8,729,460	14,820	2,832	15,084	2,892	1.0040	1.0040	8,764,378	14,879	2,843	15,144	2,904
Greenfield Hastings #2	2,177,304	3,252	1,308	3,396	1,356	1.0040	1.0040	2,186,013	3,265	1,313	3,410	1,361

IMPA Delivery Point Details

GREENFIELD Parker Meters

Billing Period: February 1, 2023 to February 28, 2023

[illegible]

Indiana Municipal Power Agency - Economic Development Rider

City of Greenfield

Billing Period: February 1 to 28, 2023

Qualifying Customer: Avery Dennison

Economic Development Rider Credit for Billing Period: February 1 to 28, 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	2,689	-	0.0%	1,563	1,873,806	1,208,400	-	0.0%	Sep-20	10%
	Demand (kW)	Date	Time (EST)								
Avery Dennison - Maximum Demand:	2,689	02/02/23	300								
CP Billing Demand:	1,563	02/01/23	900								
Purchased Power Charges	Rate		Units	Allocator	Charge						
Base Demand Charge:	\$ 22.793	/ kW x	1,563 x	0.0%	x \$ -						
ECA Demand Charge:	\$ 0.846	/ kW x	1,563 x	0.0%	x \$ -						
Total Demand Charges:					\$ -						
Base Energy Charge:	\$ 0.036057	/ kWh x	1,208,400 x	0.0%	x \$ -						
ECA Energy Charge:	\$ 0.001337	/ kWh x	1,208,400 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: February 1 to 28, 2023

Qualifying Customer: BWI Indiana Inc.

Economic Development Rider Credit for Billing Period: February 1 to 28, 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%	895	435,428	404,289	-	0.0%	Sep-19	10%
	Demand (kW)	Date	Time (EST)								
BWI Indiana Inc. - Maximum Demand:	895	02/01/23	900								
CP Billing Demand:	895	02/01/23	900								
Purchased Power Charges	Rate		Units	Allocator	Charge						
Base Demand Charge:	\$ 22.793	/ kW x	895 x	0.0%	x \$ -						
ECA Demand Charge:	\$ 0.846	/ kW x	895 x	0.0%	x \$ -						
Total Demand Charges:					\$ -						
Base Energy Charge:	\$ 0.036057	/ kWh x	404,289 x	0.0%	x \$ -						
ECA Energy Charge:	\$ 0.001337	/ kWh x	404,289 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.

City of Greenfield

Qualifying Customer: Yamaha Marine Precision Propellers

Economic Development Rider

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

* 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:
5/15/2023	\$ 2,292,994.12

Billing Period: March 1 to 31, 2023

Invoice No: INV0015727
Invoice Date: 4/14/2023

Summary of Charges

Demand Charges:	\$ 1,201,671.94
Energy Charges:	\$ 1,091,209.60
Subtotal - Purchased Power Charges*:	\$ 2,292,881.54
Other Charges and Credits:	\$ 112.58
Net Amount Due:	\$ 2,292,994.12

*Average Purchased Power Cost: 7.86 cents per kWh

Due Date:	Amount Due:
5/15/2023	\$ 2,292,994.12

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: March 1 to 31, 2023

Due Date:
5/15/2023Amount Due:
\$ 2,292,994.12**Demand**

Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	49,955	5,048	99.49%	03/15/23	800	78.52%
CP Billing Demand:	49,955	5,048	99.49%	03/15/23	800	78.52%
kvar at 97% PF:		12,520				
Reactive Demand:		-				
Demand Charges	Rate		Units		Charge	
Base Demand Charge:	\$	22.793 / kW	x	49,955	\$	1,138,624.32
ECA Demand Charge:	\$	0.846 / kW	x	49,955	\$	42,261.93
Primary Voltage Charge - Less than 15 kV:	\$	1.148 / kW	x	18,106	\$	20,785.69
Total Demand Charges:					\$	1,201,671.94

Energy

Energy Information		kWh		
Total Energy:		29,181,409		
Energy Charges		Rate	Units	Charge
Base Energy Charge:		\$ 0.036057 / kWh	x 29,181,409	\$ 1,052,194.06
ECA Energy Charge:		\$ 0.001337 / kWh	x 29,181,409	\$ 39,015.54
Total Energy Charges:				<u><u>\$ 1,091,209.60</u></u>

Other Charges and Credits

Other Charges and Credits	
AMI metering fee - \$0.480/meter for 21,437 meters	\$ 10,289.76
Econ. Dev. Rider - Refer to detailed Qualifying Customer page(s) of this invoice:	\$ (10,177.18)
Total Other Charges and Credits:	\$ 112.58

History

	Mar 2023	Mar 2022	2023 YTD
Max Demand (kW):	49,955	47,881	53,852
CP Demand (kW):	49,955	45,439	53,827
Energy (kWh):	29,181,409	29,123,509	86,553,467
CP Load Factor:	78.52%	86.15%	
HDD/CDD (Indianapolis):	701/0	603/0	

IMPA Delivery Point Details

City of Greenfield

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

Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at GREENFIELD's Maximum Peak on 03/15/23 at 0800 EST				Demand at IMPA's Coincident Peak on 03/15/23 at 0800 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	29,181,409						49,955	5,048	50,209	99.49%	49,955	5,048	50,209	99.49%
* Greenfield Elmore #1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
* Greenfield Elmore #2	7,010,895	03/14/23 at 0900 EST	11,742	664	11,761	99.84%	11,569	549	11,582	99.89%	11,569	549	11,582	99.89%
* Greenfield Hastings #1	9,508,535	03/01/23 at 1000 EST	16,795	3,373	17,130	98.04%	16,506	3,241	16,821	98.13%	16,506	3,241	16,821	98.13%
* Greenfield Hastings #2	2,122,978	03/03/23 at 1000 EST	5,325	1,386	5,502	96.78%	3,422	1,289	3,657	93.58%	3,422	1,289	3,657	93.58%
* Greenfield Riley #1	4,346,449	03/18/23 at 2000 EST	8,323	(48)	8,323	100.00%	7,594	(86)	7,594	99.99%	7,594	(86)	7,594	99.99%
* Greenfield Riley #2	5,800,544	03/18/23 at 2000 EST	11,587	-	11,587	100.00%	10,512	-	10,512	100.00%	10,512	-	10,512	100.00%
* Greenfield Solar	388,242	03/19/23 at 1000 EST	2,752	(250)	2,763	99.59%	352	55	356	98.80%	352	55	356	98.80%
* Greenfield Customer Gen.	3,766	-	-	-	-	-	-	-	-	-	-	-	-	-
* 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	6,996,901	11,534	547	11,534	547	1.0030	1.0020	7,010,895	11,569	549	11,569	549
Greenfield Hastings #1	9,470,652	16,440	3,228	16,440	3,228	1.0040	1.0040	9,508,535	16,506	3,241	16,506	3,241
Greenfield Hastings #2	2,114,520	3,408	1,284	3,408	1,284	1.0040	1.0040	2,122,978	3,422	1,289	3,422	1,289

IMPA Delivery Point Details

GREENFIELD Parker Meters

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

[illegible]

Indiana Municipal Power Agency - Economic Development Rider

City of Greenfield

Billing Period: March 1 to 31, 2023

Qualifying Customer: Avery Dennison

Economic Development Rider Credit for Billing Period: March 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	2,888	-	0.0%	2,663	1,873,806	1,229,981	-	0.0%	Sep-20	10%
	Demand (kW)	Date	Time (EST)								
Avery Dennison - Maximum Demand:	2,888	03/08/23	100								
CP Billing Demand:	2,663	03/15/23	800								
Purchased Power Charges	Rate		Units	Allocator	Charge						
Base Demand Charge:	\$ 22.793	/ kW x	2,663 x	0.0%	x \$ -						
ECA Demand Charge:	\$ 0.846	/ kW x	2,663 x	0.0%	x \$ -						
Total Demand Charges:					\$ -						
Base Energy Charge:	\$ 0.036057	/ kWh x	1,229,981 x	0.0%	x \$ -						
ECA Energy Charge:	\$ 0.001337	/ kWh x	1,229,981 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: March 1 to 31, 2023

Qualifying Customer: BWI Indiana Inc.

Economic Development Rider Credit for Billing Period: March 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	896	-	0.0%	857	435,428	444,430	-	0.0%	Sep-19	10%
	Demand (kW)	Date	Time (EST)								
BWI Indiana Inc. - Maximum Demand:	896	03/14/23	600								
CP Billing Demand:	857	03/15/23	800								
Purchased Power Charges	Rate		Units	Allocator	Charge						
Base Demand Charge:	\$ 22.793	/ kW x	857 x	0.0%	x \$ -						
ECA Demand Charge:	\$ 0.846	/ kW x	857 x	0.0%	x \$ -						
Total Demand Charges:					\$ -						
Base Energy Charge:	\$ 0.036057	/ kWh x	444,430 x	0.0%	x \$ -						
ECA Energy Charge:	\$ 0.001337	/ kWh x	444,430 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: March 1 to 31, 2023

Qualifying Customer: Yamaha Marine Precision Propellers

Economic Development Rider Credit for Billing Period: March 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	-	1,684	1,684	100.0%	1,684	-	731,121	731,121	100.0%	Jun-21	15%
	Demand (kW)	Date	Time (EST)								
Yamaha Marine Precision Propellers - Maximum Demand	1,684	03/15/23	800								
CP Billing Demand:	1,684	03/15/23	800								
Purchased Power Charges	Rate		Units	Allocator	Charge						
Base Demand Charge:	\$ 22.793	/ kW x	1,684	x 100.0%	x \$ 38,383.41						
ECA Demand Charge:	\$ 0.846	/ kW x	1,684	x 100.0%	x \$ 1,424.66						
Primary Voltage Charge - Less than 15 kV:	\$ 1.148	/ kW x	610	x 100.0%	x \$ 700.28						
Total Demand Charges:					\$ 40,508.35						
Base Energy Charge:	\$ 0.036057	/ kWh x	731,121	x 100.0%	x \$ 26,362.03						
ECA Energy Charge:	\$ 0.001337	/ kWh x	731,121	x 100.0%	x \$ 977.51						
Total Energy Charges:					\$ 27,339.54						
Total Purchased Power Charges:					\$ 67,847.89						
Economic Development Rider:					-15%						
Economic Development Rider Credit					\$ (10,177.18)						

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