



**Meter Department Report, October, 2019**

**Table 1 Non-Scheduled Overtime vs Scheduled Overtime**

<b>Total Non-Payments</b>	<b>Reconnects After Hours</b>	<b>Percentage Comparison %</b>	<b>Overtime Hours</b>	<b>Non-Scheduled Overtime</b>	<b>Scheduled/Other Overtime</b>	<b>Non-Scheduled Overtime Percentage %</b>
<b>94</b>	<b>40</b>	<b>43%</b>	<b>48</b>	<b>28</b>	<b>20</b>	<b>58%</b>

**Table 2 Scheduled Overtime**

<b>Scheduled Overtime Hours</b>	<b>Overtime Explanation</b>
<b>20</b>	<b>Worked 10/4;10/5;10/6 at Riley Days. 10-4 7 Hours;10-5 8 Hours;10-6; 5 Hours Anthony Harlow worked</b>



**Line Crew Department Report October 1st – October 31<sup>st</sup>**

**Table 1 Non-Scheduled Overtime vs. Scheduled Overtime**

Total Overtime Hours	Non-Scheduled Overtime	Scheduled Overtime	Non-Scheduled Overtime Percentage %
<b>108</b>	<b>27</b>	<b>81</b>	<b>25%</b>

**Table 2 Causes For Non-Scheduled Overtime**

Equipment Failure	Weather Related	Fire Related Calls	Human/ Other
<b>14</b>	<b>9</b>	<b>0</b>	<b>4</b>

**Table 3 Scheduled Overtime**

Scheduled Overtime Hours	Overtime Explanation
<b>Riley</b>	<b>81</b>
<b>Days</b>	

NELSON  
                    



**IMPA**  
INDIANA MUNICIPAL POWER AGENCY

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

<b>Due Date:</b> 12/16/2019	<b>Amount Due:</b> \$ 2,302,175.19
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Billing Period: October 1 to 31, 2019

Invoice No: INV0010191  
Invoice Date: 11/14/2019

Summary of Charges	
Demand Charges:	\$ 1,528,232.73
Energy Charges:	\$ 777,813.50
Subtotal - Purchased Power Charges*:	\$ 2,306,046.23
Other Charges and Credits:	\$ (3,871.04)
<b>Net Amount Due:</b>	<b>\$ 2,302,175.19</b>

\*Average Purchased Power Cost: 8.08 cents per kWh

X Nelson Contract

<b>Due Date:</b> 12/16/2019	<b>Amount Due:</b> \$ 2,302,175.19
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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, 2019

<b>Due Date:</b> 12/16/2019	<b>Amount Due:</b> \$ 2,302,175.19
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<b>Demand</b>						
<b>Demand Information</b>	<b>kW</b>	<b>kvar</b>	<b>Power Factor</b>	<b>Date</b>	<b>Time (EST)</b>	<b>Load Factor</b>
Maximum Demand:	68,182	17,881	96.73%	10/02/19	1600	56.23%
CP Billing Demand:	67,749	17,032	96.98%	10/01/19	1600	56.59%
kvar at 97% PF:		16,979				
Reactive Demand:		53				

  

<b>Demand Charges</b>	<b>Rate</b>	<b>Units</b>	<b>Charge</b>
Base Demand Charge:	\$ 24.698 / kW x	67,749	\$ 1,673,264.80
ECA Demand Charge:	\$ (2.450) / kW x	67,749	\$ (165,985.05)
Primary Voltage Charge - Less than 15 kV:	\$ 0.974 / kW x	21,447	\$ 20,889.38
Reactive Demand Charge:	\$ 1.200 / kvar x	53	\$ 63.60
<b>Total Demand Charges:</b>			<b>\$ 1,528,232.73</b>

<b>Energy</b>			
<b>Energy Information</b>	<b>kWh</b>		
Total Energy:	28,525,819		

  

<b>Energy Charges</b>	<b>Rate</b>	<b>Units</b>	<b>Charge</b>
Base Energy Charge:	\$ 0.030772 / kWh x	28,525,819	\$ 877,796.50
ECA Energy Charge:	\$ (0.003505) / kWh x	28,525,819	\$ (99,983.00)
<b>Total Energy Charges:</b>			<b>\$ 777,813.50</b>

<b>Other Charges and Credits</b>	
<b>Other Charges and Credits</b>	
Econ. Dev. Rider - Qualifying Customer: BWI Indiana Inc.	\$ (3,871.04)
<b>Total Other Charges and Credits:</b>	<b>\$ (3,871.04)</b>

<b>History</b>			
	<b>Oct 2019</b>	<b>Oct 2018</b>	<b>2019 YTD</b>
Max Demand (kW):	68,182	60,945	71,726
CP Demand (kW):	67,749	60,945	71,726
Energy (kWh):	28,525,819	28,824,776	308,665,117
CP Load Factor:	56.59%	63.57%	
HDD/CDD (Indianapolis):	301/37	363/82	

\* Elmore: units adjusted by loss factors of 1.003 for demand & 1.002 for energy  
 Hasting: units adjusted by loss factors of 1.004 for demand & 1.004 for energy.

IMPA Delivery Point Details

City of Greenfield  
Billing Period: October 1, 2019 to October 31, 2019

Delivery Point	Energy kWh	Individual Substation Maximum Demand				Demand at GREENFIELD's Maximum Peak on 10/02/19 at 1600 EST				Demand at IMPA's Coincident Peak on 10/01/19 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
<b>TOTAL</b>	<b>28,525,819</b>													
• Greenfield Elmore #1	4,875,833	10/02/19 at 1700 EST	13,288	3,336	13,700	96.99%	68,182	17,881	70,488	96.73%	67,749	17,032	69,857	96.98%
• Greenfield Elmore #2	2,150,469	10/02/19 at 1500 EST	5,575	1,618	5,805	96.04%	13,085	3,365	13,511	96.85%	12,782	2,947	13,117	97.44%
• Greenfield Hastings #1	9,993,168	10/01/19 at 1500 EST	17,002	5,017	17,727	95.91%	5,301	1,444	5,494	96.48%	5,229	1,358	5,402	96.79%
• Greenfield Hastings #2	3,623,258	10/01/19 at 1500 EST	9,716	3,239	10,242	94.87%	16,251	4,699	16,917	96.06%	16,843	5,162	17,616	95.61%
• Greenfield Riley #1	4,222,670	10/02/19 at 1600 EST	12,614	3,235	13,022	96.87%	9,441	3,282	9,995	94.46%	9,427	3,138	9,936	94.88%
• Greenfield Riley #2	3,273,137	10/02/19 at 1600 EST	10,579	1,862	10,742	98.49%	12,614	3,235	13,022	96.87%	10,925	2,717	11,258	97.04%
• Greenfield Solar	387,284	10/17/19 at 1000 EST	2,567	(251)	2,579	99.53%	10,579	1,862	10,742	98.49%	10,522	1,824	10,679	98.53%
							911	(6)	911	100.00%	2,021	(114)	2,024	99.84%

\*Meter Loss Adjustments

Delivery Point	Metered Units				Adjustment Factors				Adjusted Units							
	Energy kWh	kW at Memb Max	kvar at Memb Max	CP kW	Demand Loss Adj.	Energy Loss Adj.	Energy kWh	kW at Memb Max	kvar at Memb Max	CP kW	kvar at CP	Energy kWh	kW at Memb Max	kvar at Memb Max	CP kW	
Greenfield Elmore #1	4,866,101	13,046	3,355	12,744	1.0030	1.0020	4,875,833	13,085	3,365	12,782	2,947	4,875,833	13,085	3,365	12,782	2,947
Greenfield Elmore #2	2,146,177	5,285	1,440	5,213	1.0030	1.0020	2,150,469	5,301	1,444	5,229	1,358	2,150,469	5,301	1,444	5,229	1,358
Greenfield Hastings #1	9,953,355	16,186	4,680	16,776	1.0040	1.0040	9,993,168	16,251	4,699	16,843	5,162	9,953,355	16,186	4,680	16,843	5,162
Greenfield Hastings #2	3,608,823	9,403	3,269	9,389	1.0040	1.0040	3,623,258	9,441	3,282	9,427	3,138	3,608,823	9,403	3,269	9,427	3,138

Indiana Municipal Power Agency - Economic Development Rider  
 City of Greenfield  
 Billing Period: October 1 to 31, 2019

Qualifying Customer: BWI Indiana Inc.  
 Economic Development Rider Credit for Billing Period: October 1 to 31, 2019

**Economic Development Rider**

	Baseline Demand*		Current Month Max Demand		Qualifying Demand (kW)	ED Rider Demand Alloc. %	CP Billing Demand (kW)	Baseline Energy (kWh)	Current Month Energy (kWh)	Qualifying Energy (kWh)	ED Rider Energy Alloc. %	Econ. Dev. Start Month	Economic Dev. Rider (K)
	(A)	(B)	(C)	(D)									
BWI Indiana Inc.	1,115	1,529	414	27.1%	1,246	435,428	866,204	430,776	49.7%	Sep-19	20%		
BWI Indiana Inc. - Maximum Demand:	1,529	10/23/19	2100										
CP Billing Demand:	1,246	10/01/19	1600										
<b>Purchased Power Charges</b>	<b>Rate</b>	<b>Units</b>	<b>Allocator</b>	<b>Charge</b>									
Base Demand Charge:	\$ 24.698 / kW x	1,246 x	27.1%	\$ 8,339.67									
ECA Demand Charge:	\$ (2.450) / kW x	1,246 x	27.1%	\$ (827.28)									
Primary Voltage Charge - Less than 15 kV:	\$ 0.974 / kW x	395 x	27.1%	\$ 104.26									
Total Demand Charges:				\$ 7,616.65									
Base Energy Charge:	\$ 0.030772 / kWh x	866,204 x	49.7%	\$ 13,247.45									
ECA Energy Charge:	\$ (0.003505) / kWh x	866,204 x	49.7%	\$ (1,508.91)									
Total Energy Charges:				\$ 11,738.54									
<b>Total Purchased Power Charges:</b>				\$ 19,355.19									
<b>Economic Development Rider:</b>				-20%									
<b>Economic Development Rider Credit</b>				\$ (3,871.04)									

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