

Impacts of Ohio's Electricity Usage Reduction Mandate and Alternative Energy Resource Mandate

Residential Customers

750 kWh per month usage

1,000 kWh per month usage

<u>Location</u>	<u>Electricity Usage Reduction Mandate</u>		<u>Alternative Energy Resource Mandate</u>		<u>Electricity Usage Reduction Mandate</u>	<u>Alternative Energy Resource Mandate</u>		<u>Monthly Total</u>	<u>Annual Total</u>
	<u>Reduction</u>	<u>Mandate</u>	<u>Resource</u>	<u>Mandate</u>		<u>Reduction</u>	<u>Mandate</u>		
Cleveland	\$4.85	\$0.27	\$5.12	\$61.50	\$6.47	\$0.37	\$6.83	\$82.00	
Columbus	\$2.54	\$0.69	\$3.23	\$38.75	\$3.39	\$0.91	\$4.31	\$51.66	
Toledo	\$6.45	\$0.66	\$7.11	\$85.35	\$8.60	\$0.88	\$9.48	\$113.80	
Dayton	\$1.60	\$0.10	\$1.70	\$20.38	\$2.13	\$0.14	\$2.26	\$27.17	
Cincinnati	\$2.58	\$0.30	\$2.88	\$34.57	\$3.44	\$0.40	\$3.84	\$46.06	
Akron	\$2.86	\$0.37	\$3.23	\$38.71	\$3.81	\$0.49	\$4.30	\$51.61	

Reflects mandate tax rates in effect as of January 1, 2019

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State University

7,000,000 kWh per month usage

14.8 MW demand (65% LF)

<u>Location</u>	<u>Rate</u>	Electricity Usage Reduction <u>Mandate</u>	Alternative Energy Resource <u>Mandate</u>	Monthly <u>Total</u>	Annual <u>Total</u>
Cleveland	GSU	\$6,888	\$2,555	\$9,443	\$113,316
Columbus	GS3-P	\$10,676	\$6,180	\$16,855	\$202,265
Toledo	GSU	\$17,745	\$6,181	\$23,926	\$287,112
Dayton	P-Sub	\$14,151	\$948	\$15,098	\$181,180
Cincinnati	DP	\$11,690	\$2,786	\$14,476	\$173,712
Akron	GSU	\$8,834	\$3,430	\$12,264	\$147,168

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**Fast Food Restaurant**

47,000 kWh per month usage

<u>Location</u>	<u>Rate</u>	Electricity Usage Reduction <u>Mandate</u>	Alternative Energy Resource <u>Mandate</u>	Monthly <u>Total</u>	Annual <u>Total</u>
Cleveland	GS	\$195.29	\$17.16	\$212.44	\$2,549.28
Columbus	GS1	(\$13.36)	\$42.99	\$29.63	\$355.57
Toledo	GS	\$245.39	\$41.50	\$286.89	\$3,442.66
Dayton	Sec	\$183.07	\$6.36	\$189.44	\$2,273.26
Cincinnati	DS	\$78.49	\$18.71	\$97.20	\$1,166.35
Akron	GS	\$183.35	\$23.03	\$206.38	\$2,476.52

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Foundry/Forging Manufacturer

100,000 kWh per month usage  
kW demand - 170 kW (80% LF)

2 million kWh per month usage  
Demand - 3.4 MW (80% LF)

Location	Rate	<u>100,000 kWh per month usage</u> <u>kW demand - 170 kW (80% LF)</u>				<u>2 million kWh per month usage</u> <u>Demand - 3.4 MW (80% LF)</u>			
		Electricity Usage Reduction Mandate	Alternative Energy Resource Mandate	Monthly Total	Annual Total	Electricity Usage Reduction Mandate	Alternative Energy Resource Mandate	Monthly Total	Annual Total
Cleveland	GP	\$200	\$37	\$236	\$2,833	\$3,992	\$730	\$4,722	\$56,664
Columbus	GS3-P	\$116	\$88	\$204	\$2,447	\$2,313	\$1,766	\$4,078	\$48,941
Toledo	GP	\$320	\$88	\$408	\$4,897	\$6,396	\$1,766	\$8,162	\$97,944
Dayton	P	\$220	\$14	\$234	\$2,807	\$4,407	\$271	\$4,678	\$56,136
Cincinnati	DP	\$167	\$40	\$207	\$2,482	\$3,340	\$796	\$4,136	\$49,632
Akron	GP	\$350	\$49	\$399	\$4,790	\$7,004	\$980	\$7,984	\$95,808

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Steel Manufacturer

50 million kWh per month usage  
MW demand - 98 MW (70% LF)

<u>Location</u>	<u>Rate</u>	<u>Electricity Usage Reduction Mandate</u>	<u>Alternative Energy Resource Mandate</u>	<u>Monthly Total</u>	<u>Annual Total</u>
Cleveland	GT	\$221,700	\$18,250	\$239,950	\$2,879,400
Columbus	GS4- T	\$69,390	\$43,260	\$112,650	\$1,351,800
Toledo	GT	\$39,700	\$44,150	\$83,850	\$1,006,200
Dayton	HV	\$69,480	\$6,770	\$76,250	\$915,000
Cincinnati	TS	\$83,500	\$19,900	\$103,400	\$1,240,800
Akron	GT	\$54,750	\$24,500	\$79,250	\$951,000

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**Impacts of Ohio's Electricity Usage Reduction Mandate and Alternative Energy Resource Mandate**

**Small Coal Mine**

1.8 million kWh per month usage

Demand - 6.3 MW (40% LF)

<u>Location</u>	<u>Rate</u>	Electricity Usage Reduction <u>Mandate</u>	Alternative Energy Resource <u>Mandate</u>	Monthly <u>Total</u>	Annual <u>Total</u>
SE Ohio	GS3-S	\$4,965	\$1,646	\$6,612	\$79,339

**Area Transportation Provider**

4.8 million kWh per month usage

	<u>Rate</u>	Electricity Usage Reduction <u>Mandate</u>	Alternative Energy Resource <u>Mandate</u>	Monthly <u>Total</u>	Annual <u>Total</u>
Northern Ohio	GSU	\$4,723	\$1,752	\$6,475	\$77,702

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**Impacts of Ohio's Electricity Usage Reduction Mandate and Alternative Energy Resource Mandate**

**Brewery**

7.6 million kWh per month usage  
Demand - 11.6 MW (90% LF)

<u>Location</u>	<u>Rate</u>	<u>Electricity Usage Reduction Mandate</u>	<u>Alternative Energy Resource Mandate</u>	<u>Monthly Total</u>	<u>Annual Total</u>
Central Ohio	GS4- T	\$7,614	\$6,576	\$14,189	\$170,272

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