

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</u>		<u>Alternative Energy Resource</u>		<u>Electricity Usage Reduction</u>		<u>Alternative Energy Resource</u>	
	<u>Mandate</u>	<u>Mandate</u>	<u>Monthly Total</u>	<u>Annual Total</u>	<u>Mandate</u>	<u>Mandate</u>	<u>Monthly Total</u>	<u>Annual Total</u>
Cleveland	\$5.53	\$0.39	\$5.92	\$71.05	\$7.38	\$0.52	\$7.89	\$94.73
Columbus	\$2.47	\$1.24	\$3.72	\$44.59	\$3.30	\$1.66	\$4.95	\$59.45
Toledo	\$5.99	\$0.51	\$6.49	\$77.92	\$7.98	\$0.68	\$8.66	\$103.90
Dayton	\$1.70	\$0.10	\$1.80	\$21.65	\$2.27	\$0.14	\$2.41	\$28.87
Cincinnati	\$2.58	\$0.08	\$2.66	\$31.96	\$3.44	\$0.11	\$3.55	\$42.58
Akron	\$3.38	\$0.38	\$3.76	\$45.11	\$4.51	\$0.51	\$5.01	\$60.14

Reflects mandate tax rates in effect as of July 1, 2018

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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	\$13,965	\$3,612	\$17,577	\$210,924
Columbus	GS3-P	\$5,967	\$11,201	\$17,168	\$206,015
Toledo	GSU	\$11,235	\$4,725	\$15,960	\$191,520
Dayton	P-Sub	(\$3,118)	\$948	(\$2,170)	(\$26,040)
Cincinnati	DP	\$11,690	\$756	\$12,446	\$149,352
Akron	GSU	\$21,903	\$3,549	\$25,452	\$305,424

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Fast Food Restaurant

47,000 kWh per month usage

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Cleveland	GS	\$120.65	\$24.25	\$144.90	\$1,738.81
Columbus	GS1	(\$45.23)	\$77.91	\$32.68	\$392.20
Toledo	GS	\$111.77	\$31.73	\$143.49	\$1,721.89
Dayton	Sec	(\$49.82)	\$6.36	(\$43.45)	(\$521.42)
Cincinnati	DS	\$78.49	\$5.08	\$83.57	\$1,002.79
Akron	GS	\$96.02	\$23.83	\$119.85	\$1,438.20

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Foundry/Forging Manufacturer

		<u>100,000 kWh per month usage</u>				<u>2 million kWh per month usage</u>			
		<u>kW demand - 170 kW (80% LF)</u>				<u>Demand - 3.4 MW (80% LF)</u>			
		<u>Electricity Usage</u>		<u>Alternative Energy Resource</u>		<u>Electricity Usage</u>		<u>Alternative Energy Resource</u>	
<u>Location</u>	<u>Rate</u>	<u>Reduction Mandate</u>	<u>Resource Mandate</u>	<u>Monthly Total</u>	<u>Annual Total</u>	<u>Reduction Mandate</u>	<u>Resource Mandate</u>	<u>Monthly Total</u>	<u>Annual Total</u>
Cleveland	GP	(\$273)	\$52	(\$222)	(\$2,662)	(\$5,468)	\$1,032	(\$4,436)	(\$53,232)
Columbus	GS3-P	\$48	\$160	\$208	\$2,496	\$959	\$3,200	\$4,159	\$49,913
Toledo	GP	\$157	\$68	\$224	\$2,693	\$3,138	\$1,350	\$4,488	\$53,856
Dayton	P	(\$59)	\$14	(\$45)	(\$543)	(\$1,177)	\$271	(\$906)	(\$10,870)
Cincinnati	DP	\$167	\$11	\$178	\$2,134	\$3,340	\$216	\$3,556	\$42,672
Akron	GP	\$76	\$51	\$126	\$1,517	\$1,514	\$1,014	\$2,528	\$30,336

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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	\$116,250	\$25,800	\$142,050	\$1,704,600
Columbus	GS4- T	\$35,680	\$78,400	\$114,080	\$1,368,960
Toledo	GT	\$171,700	\$33,750	\$205,450	\$2,465,400
Dayton	HV	(\$20,380)	\$6,770	(\$13,610)	(\$163,320)
Cincinnati	TS	\$83,500	\$5,400	\$88,900	\$1,066,800
Akron	GT	\$146,650	\$25,350	\$172,000	\$2,064,000

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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	\$3,779	\$2,984	\$6,763	\$81,158

Area Transportation Provider

4.8 million 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>
Northern Ohio	GSU	\$9,576	\$2,477	\$12,053	\$144,634

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Brewery

7.6 million kWh per month usage

Demand - 11.6 MW (90% LF)

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Central Ohio	GS4- T	\$2,457	\$11,917	\$14,374	\$172,485

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