

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>Usage Reduction Mandate</u>	<u>Alternative Energy Resource Mandate</u>	<u>Monthly Total</u>	<u>Annual Total</u>		<u>Usage Reduction Mandate</u>	<u>Alternative Energy Resource Mandate</u>		
Cleveland	\$5.09	\$0.22	\$5.31	\$63.71	\$6.78	\$0.30	\$7.08	\$84.95	
Columbus	\$2.55	\$1.66	\$4.21	\$50.57	\$3.41	\$2.21	\$5.62	\$67.42	
Toledo	\$5.32	\$0.43	\$5.75	\$68.99	\$7.10	\$0.57	\$7.67	\$91.99	
Dayton	\$1.70	\$0.06	\$1.77	\$21.19	\$2.27	\$0.08	\$2.35	\$28.25	
Cincinnati	\$2.58	\$0.44	\$3.02	\$36.22	\$3.44	\$0.58	\$4.02	\$48.25	
Akron	\$3.99	\$0.23	\$4.22	\$50.61	\$5.31	\$0.31	\$5.62	\$67.48	

Reflects mandate tax rates in effect as of January 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	\$6,538	\$2,086	\$8,624	\$103,488
Columbus	GS3-P	\$6,875	\$14,953	\$21,829	\$261,946
Toledo	GSU	\$25,809	\$3,990	\$29,799	\$357,588
Dayton	P-Sub	-\$3,118	\$587	-\$2,531	-\$30,374
Cincinnati	DP	\$11,690	\$4,067	\$15,757	\$189,084
Akron	GSU	\$5,523	\$2,163	\$7,686	\$92,232

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Fast Food Restaurant

47,000 kWh per month usage

<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	GS	\$212.63	\$14.01	\$226.63	\$2,719.61
Columbus	GS1	-\$40.12	\$104.02	\$63.89	\$766.69
Toledo	GS	\$220.57	\$26.79	\$247.36	\$2,968.33
Dayton	Sec	-\$49.82	\$3.94	-\$45.88	-\$550.52
Cincinnati	DS	\$78.49	\$27.31	\$105.80	\$1,269.56
Akron	GS	\$161.40	\$14.52	\$175.92	\$2,111.05

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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)

<u>Location</u>	<u>Rate</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	GP	\$668	\$30	\$698	\$8,372	\$13,358	\$596	\$13,954	\$167,448
Columbus	GS3-P	\$61	\$214	\$274	\$3,290	\$1,210	\$4,272	\$5,483	\$65,794
Toledo	GP	\$404	\$57	\$461	\$5,532	\$8,080	\$1,140	\$9,220	\$110,640
Dayton	P	-\$59	\$8	-\$50	-\$605	-\$1,177	\$168	-\$1,009	-\$12,108
Cincinnati	DP	\$167	\$58	\$225	\$2,701	\$3,340	\$1,162	\$4,502	\$54,024
Akron	GP	\$522	\$31	\$553	\$6,631	\$10,434	\$618	\$11,052	\$132,624

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Steel Manufacturer

50 million kWh per month usage

MW demand - 98 MW (70% LF)

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Cleveland	GT	\$77,950	\$14,900	\$92,850	\$1,114,200
Columbus	GS4- T	\$42,090	\$104,675	\$146,765	\$1,761,180
Toledo	GT	\$128,850	\$28,500	\$157,350	\$1,888,200
Dayton	HV	-\$20,380	\$4,190	-\$16,190	-\$194,280
Cincinnati	TS	\$83,500	\$29,050	\$112,550	\$1,350,600
Akron	GT	\$99,800	\$15,450	\$115,250	\$1,383,000

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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	\$4,038	\$3,984	\$8,021	\$96,256

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	\$4,483	\$1,430	\$5,914	\$70,963

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Brewery

7.6 million kWh per month usage

Demand - 11.6 MW (90% 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>
Central Ohio	GS4- T	\$3,398	\$15,911	\$19,309	\$231,707

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