

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>Monthly Total</u>	<u>Annual Total</u>	<u>Monthly Total</u>	<u>Annual Total</u>	<u>Monthly Total</u>	<u>Annual Total</u>
Cleveland	\$3.63	\$48.73	\$0.43	\$4.06	\$4.84	\$64.97	\$0.57	\$5.41
Columbus	\$2.55	\$37.34	\$0.56	\$3.11	\$3.41	\$49.79	\$0.74	\$4.15
Toledo	\$4.40	\$59.18	\$0.53	\$4.93	\$5.87	\$78.91	\$0.71	\$6.58
Dayton	\$3.43	\$39.80	(\$0.12)	\$3.32	\$4.58	\$53.07	(\$0.16)	\$4.42
Cincinnati	\$2.58	\$34.34	\$0.28	\$2.86	\$3.44	\$45.76	\$0.37	\$3.81
Akron	\$3.65	\$47.68	\$0.32	\$3.97	\$4.87	\$63.58	\$0.43	\$5.30

Reflects mandate tax rates in effect as of Oct. 1, 2017

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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>	<u>Electricity Usage Reduction Mandate</u>	<u>Alternative Energy Resource Mandate</u>	<u>Monthly Total</u>	<u>Annual Total</u>
Cleveland	GSU	\$13,594	\$4,011	\$17,605	\$211,260
Columbus	GS3-P	\$6,875	\$5,025	\$11,901	\$142,808
Toledo	GSU	\$12,971	\$4,977	\$17,948	\$215,376
Dayton	P-Sub	\$15,742	(\$1,094)	\$14,648	\$175,778
Cincinnati	DP	\$11,690	\$2,611	\$14,301	\$171,612
Akron	GSU	\$13,447	\$2,989	\$16,436	\$197,232

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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	\$127.23	\$26.93	\$154.16	\$1,849.92
Columbus	GS1	-\$40.12	\$34.96	-\$5.17	-\$61.99
Toledo	GS	\$137.52	\$33.42	\$170.94	\$2,051.27
Dayton	Sec	\$168.25	(\$7.35)	\$160.90	\$1,930.80
Cincinnati	DS	\$78.49	\$17.53	\$96.02	\$1,152.25
Akron	GS	\$114.49	\$20.07	\$134.56	\$1,614.73

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Foundry/Forging Manufacturer

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	\$557	\$57	\$615	\$7,376	\$11,148	\$1,146	\$12,294	\$147,528
Columbus	GS3-P	\$61	\$72	\$132	\$1,588	\$1,210	\$1,436	\$2,646	\$31,754
Toledo	GP	\$383	\$71	\$454	\$5,446	\$7,654	\$1,422	\$9,076	\$108,912
Dayton	P	\$254	(\$16)	\$238	\$2,862	\$5,082	(\$313)	\$4,769	\$57,230
Cincinnati	DP	\$167	\$37	\$204	\$2,452	\$3,340	\$746	\$4,086	\$49,032
Akron	GP	\$181	\$43	\$224	\$2,687	\$3,624	\$854	\$4,478	\$53,736

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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	\$103,150	\$28,650	\$131,800	\$1,581,600
Columbus	GS4- T	\$42,090	\$35,180	\$77,270	\$927,240
Toledo	GT	\$74,250	\$35,550	\$109,800	\$1,317,600
Dayton	HV	\$108,755	(\$7,815)	\$100,940	\$1,211,280
Cincinnati	TS	\$83,500	\$18,650	\$102,150	\$1,225,800
Akron	GT	\$146,150	\$21,350	\$167,500	\$2,010,000

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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	\$1,339	\$5,377	\$64,519

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	\$9,322	\$2,750	\$12,072	\$144,864

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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	\$5,347	\$8,746	\$104,948

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