

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>	Electricity	Alternative	Monthly	Annual	Electricity	Alternative	Monthly	Annual
	Usage	Energy			Usage	Energy		
	Reduction	Resource	Total	Total	Reduction	Resource	Total	Total
	<u>Mandate</u>	<u>Mandate</u>			<u>Mandate</u>	<u>Mandate</u>		
Cleveland	\$3.63	\$0.24	\$3.87	\$46.40	\$4.84	\$0.32	\$5.16	\$61.87
Columbus	\$2.55	\$1.31	\$3.86	\$46.31	\$3.41	\$1.74	\$5.15	\$61.74
Toledo	\$4.40	\$0.20	\$4.59	\$55.13	\$5.87	\$0.26	\$6.13	\$73.50
Dayton	\$3.43	(\$0.12)	\$3.32	\$39.80	\$4.58	(\$0.16)	\$4.42	\$53.07
Cincinnati	\$2.58	\$0.23	\$2.81	\$33.76	\$3.44	\$0.31	\$3.75	\$44.98
Akron	\$3.65	\$0.15	\$3.81	\$45.67	\$4.87	\$0.20	\$5.07	\$60.89

Reflects mandate tax rates in effect as of Sept. 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>	Electricity Usage Reduction <u>Mandate</u>	Alternative Energy Resource <u>Mandate</u>	Monthly <u>Total</u>	Annual <u>Total</u>
Cleveland	GSU	\$13,594	\$2,205	\$15,799	\$189,588
Columbus	GS3-P	\$6,875	\$11,758	\$18,633	\$223,600
Toledo	GSU	\$12,971	\$1,820	\$14,791	\$177,492
Dayton	P-Sub	\$15,742	(\$1,094)	\$14,648	\$175,778
Cincinnati	DP	\$11,690	\$2,156	\$13,846	\$166,152
Akron	GSU	\$13,447	\$1,421	\$14,868	\$178,416

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Fast Food Restaurant

47,000 kWh per month usage

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Cleveland	GS	\$127.23	\$14.81	\$142.03	\$1,704.41
Columbus	GS1	-\$40.12	\$81.78	\$41.66	\$499.92
Toledo	GS	\$137.52	\$12.22	\$149.74	\$1,796.90
Dayton	Sec	\$168.25	(\$7.35)	\$160.90	\$1,930.80
Cincinnati	DS	\$78.49	\$14.48	\$92.97	\$1,115.59
Akron	GS	\$114.49	\$9.54	\$124.03	\$1,488.40

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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>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>			
		<u>Electricity Usage Reduction Mandate</u>	<u>Alternative Energy Resource Mandate</u>	<u>Monthly Total</u>	<u>Annual Total</u>	<u>Electricity Usage Reduction Mandate</u>	<u>Alternative Energy Resource Mandate</u>	<u>Monthly Total</u>	<u>Annual Total</u>
Cleveland	GP	\$557	\$32	\$589	\$7,067	\$11,148	\$630	\$11,778	\$141,336
Columbus	GS3-P	\$61	\$168	\$228	\$2,742	\$1,210	\$3,359	\$4,570	\$54,838
Toledo	GP	\$383	\$26	\$409	\$4,904	\$7,654	\$520	\$8,174	\$98,088
Dayton	P	\$254	(\$16)	\$238	\$2,862	\$5,082	(\$313)	\$4,769	\$57,230
Cincinnati	DP	\$167	\$31	\$198	\$2,374	\$3,340	\$616	\$3,956	\$47,472
Akron	GP	\$181	\$20	\$202	\$2,418	\$3,624	\$406	\$4,030	\$48,360

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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	\$15,750	\$118,900	\$1,426,800
Columbus	GS4- T	\$42,090	\$82,300	\$124,390	\$1,492,680
Toledo	GT	\$74,250	\$13,000	\$87,250	\$1,047,000
Dayton	HV	\$108,755	(\$7,815)	\$100,940	\$1,211,280
Cincinnati	TS	\$83,500	\$15,400	\$98,900	\$1,186,800
Akron	GT	\$146,150	\$10,150	\$156,300	\$1,875,600

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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>	<u>Electricity Usage Reduction Mandate</u>	<u>Alternative Energy Resource Mandate</u>	<u>Monthly Total</u>	<u>Annual Total</u>
SE Ohio	GS3-S	\$4,038	\$3,132	\$7,170	\$86,039

Area Transportation Provider

4.8 million 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>
Northern Ohio	GSU	\$9,322	\$1,512	\$10,834	\$130,003

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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	\$12,510	\$15,908	\$190,895

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