

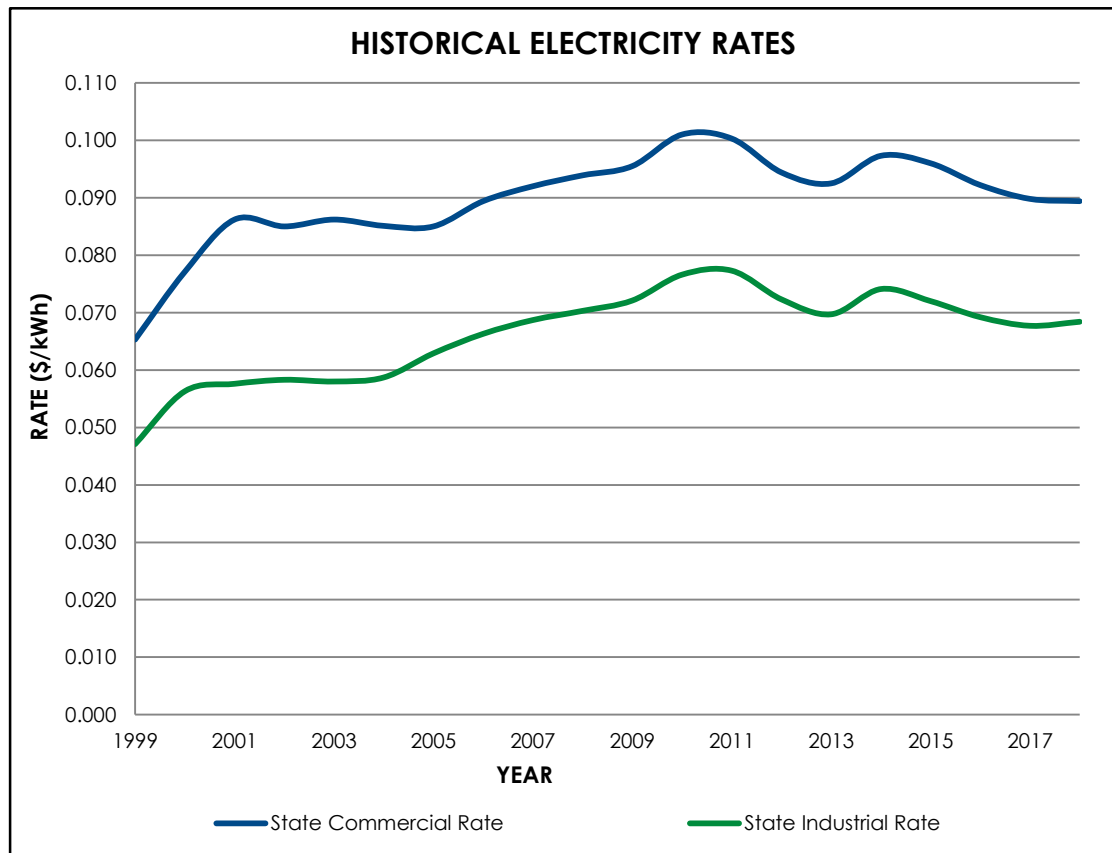
20 YEAR HISTORICAL ELECTRICITY RATE ANALYSIS: INDUSTRIAL AND COMMERCIAL BY STATE 1999-2018



Pennsylvania (PA)

Year	ELECTRICITY RATES (\$/kWh)			
	INDUSTRIAL		COMMERCIAL	
	Rate	% Change	Rate	% Change
1999	\$ 0.047	--	\$ 0.065	--
2000	\$ 0.056	+19.5%	\$ 0.077	+18.1%
2001	\$ 0.058	+2.3%	\$ 0.086	+11.8%
2002	\$ 0.058	+1.2%	\$ 0.085	-1.4%
2003	\$ 0.058	-0.5%	\$ 0.086	+1.4%
2004	\$ 0.059	+1.2%	\$ 0.085	-1.3%
2005	\$ 0.063	+7.2%	\$ 0.085	-0.1%
2006	\$ 0.066	+5.4%	\$ 0.089	+5.2%
2007	\$ 0.069	+3.6%	\$ 0.092	+2.9%
2008	\$ 0.070	+2.3%	\$ 0.094	+2.1%
2009	\$ 0.072	+2.6%	\$ 0.096	+1.7%
2010	\$ 0.077	+6.2%	\$ 0.101	+5.8%
2011	\$ 0.077	+0.9%	\$ 0.100	-0.7%
2012	\$ 0.072	-6.5%	\$ 0.094	-5.9%
2013	\$ 0.070	-3.6%	\$ 0.093	-2.0%
2014	\$ 0.074	+6.3%	\$ 0.097	+5.2%
2015	\$ 0.072	-2.8%	\$ 0.096	-1.3%
2016	\$ 0.069	-3.9%	\$ 0.092	-4.0%
2017	\$ 0.068	-2.2%	\$ 0.090	-2.6%
2018	\$ 0.068	+1.0%	\$ 0.089	-0.4%

SOURCE: US EIA Report: 1999-2018 (See methodology page for details)



ELECTRICITY RATE SUMMARY (\$/kWh)					
	1999 RATE	2018 RATE	AVERAGE ANNUAL INCREASE	TOTAL INCREASE	PREDICTED 2038 RATE
INDUSTRIAL	\$0.047	\$0.068	1.9%	45.2%	\$0.099
COMMERCIAL	\$0.065	\$0.089	1.6%	36.9%	\$0.122