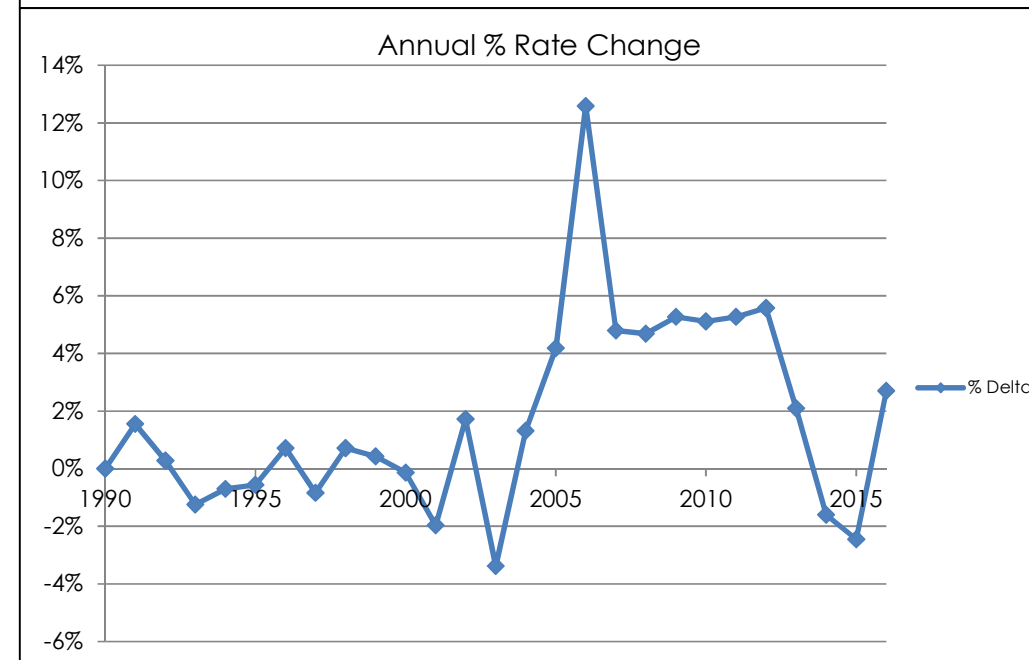
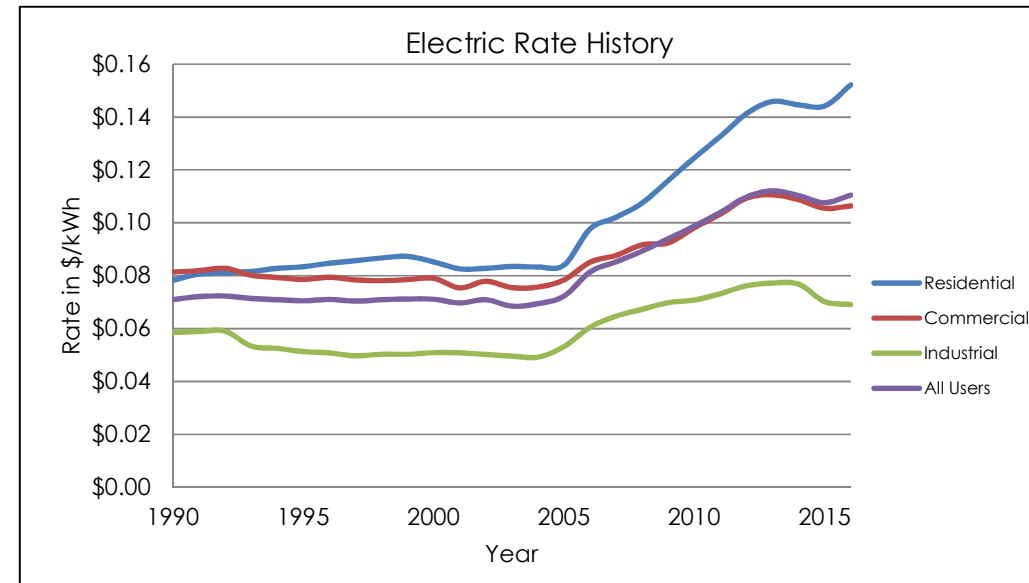


**Electricity Rate Historical Analysis
1990-2016
Michigan (State Wide)**

Year	Electric Rate in \$/kWh				% Delta
	Residential	Commercial	Industrial	All Users	
1990	0.078	0.081	0.059	0.071	-
1991	0.081	0.082	0.059	0.072	1.5%
1992	0.081	0.083	0.059	0.072	0.3%
1993	0.082	0.080	0.053	0.071	-1.2%
1994	0.083	0.079	0.053	0.071	-0.7%
1995	0.083	0.079	0.051	0.071	-0.6%
1996	0.085	0.079	0.051	0.071	0.7%
1997	0.086	0.078	0.050	0.070	-0.8%
1998	0.087	0.078	0.050	0.071	0.7%
1999	0.087	0.079	0.050	0.071	0.4%
2000	0.085	0.079	0.051	0.071	-0.1%
2001	0.083	0.075	0.051	0.070	-2.0%
2002	0.083	0.078	0.050	0.071	1.7%
2003	0.084	0.076	0.050	0.069	-3.4%
2004	0.083	0.076	0.049	0.069	1.3%
2005	0.084	0.078	0.053	0.072	4.2%
2006	0.098	0.085	0.061	0.081	12.6%
2007	0.102	0.088	0.065	0.085	4.8%
2008	0.108	0.092	0.067	0.089	4.7%
2009	0.116	0.092	0.070	0.094	5.3%
2010	0.125	0.098	0.071	0.099	5.1%
2011	0.133	0.103	0.073	0.104	5.3%
2012	0.141	0.109	0.076	0.110	5.6%
2013	0.146	0.111	0.077	0.112	2.1%
2014	0.145	0.109	0.077	0.110	-1.6%
2015	0.144	0.106	0.070	0.108	-2.4%
2016	0.152	0.106	0.069	0.111	2.7%



	Annual % Increase	Net % Increase	Net Increase (\$/kWh)
20 Year Increase (1997-2016)	2.28%	56.96%	0.040
10 Year Increase (2007-2016)	2.92%	29.54%	0.025
5 Year Increase (2012-2016)	0.16%	0.64%	0.001

Notes and Sources

-Rate growth statistics based on "Total Electric Industry" in each state as defined by United States Energy Information Administration
 -Past rates may or may not be a reflection of future rates and trends
 -US EIA Report: 1990 - 2016 Average Price by State by Provider (EIA-861), Release Date: November 9, 2017