

WHAT HAPPENS WHEN STATES ACT TO PRESERVE THEIR NUCLEAR FLEETS?

Customers get resilient, reliable carbon-free energy and electricity prices remain stable

Illinois, New York, Connecticut, and New Jersey have all taken action to ensure the benefits of nuclear power are properly valued and their local plants remain operational.

State Policy	Benefit To Cost Ratio	Impact on Consumers
New York's Public Service Commission approved the Clean Energy Standard (CES), a 12-year plan that values the environmental, reliability, and economic benefits of nuclear power and ensures the continued operation of three nuclear plants in upstate New York in 2017.	The New York Clean Energy Standard is estimated to benefit New York state residents at a ratio of 70 to 1, with \$3.2 billion higher economic activity, \$1.7 billion lower electricity costs, and environmental benefits of \$700 million annually, according to analysis from the Brattle Group. ¹	<p>Energy prices for New York consumers remain lower than the rate of inflation.</p> <p>New York ZEC program compliance began in April 2017.</p> <p>The average price of electricity, according to the EIA², for New York residential customers was 18.53 cents per kWh in 2018, versus 18.54 per kWh in 2015 and 17.59 cents per kWh in 2016 – inside the normal range of yearly price changes.</p>
Illinois passed a comprehensive clean energy bill (FEJA) that included a Zero Emissions Credit program that placed a value on the emissions-free power created by nuclear plants in 2017.	The Illinois ZEC program is estimated to benefit Illinois state residents at a rate of 8 to 1, with \$1.2 billion higher economic activity, \$260 million lower costs, and environmental benefits of nearly \$1 billion annually, according to analysis from Illinois state government agencies. ³	<p>Energy prices for Illinois consumers has remained virtually the same, after the ZEC program was enacted.</p> <p>The Illinois ZEC program compliance began in June 2017.</p> <p>The average price of electricity, according to the EIA⁴, for Illinois residential customers was 12.55 cents per kWh in 2018, versus 12.54 per kWh in 2016. For all customer classes, the average price of electricity⁵, according to the EIA, was 9.46 cents per kWh in 2018, versus 9.38 per kWh in 2016. Energy prices stayed virtually the same even though inflation⁶ was 4.6 percent over the same time period.</p>

¹ [http://files.brattle.com/files/5830_comments_on_the_new_york_dps_\(2\).pdf](http://files.brattle.com/files/5830_comments_on_the_new_york_dps_(2).pdf)

² <https://www.eia.gov/electricity/monthly/>

³ http://www.ilga.gov/reports/special/Report_Potential%20Nuclear%20Power%20Plant%20Closings%20in%20IL.pdf

⁴ <https://www.eia.gov/electricity/monthly/>

⁵ <https://www.eia.gov/electricity/monthly/>

⁶ <https://fred.stlouisfed.org/graph/?g=n7CZ>

<p>Connecticut's legislature enacted a bill to support Connecticut's nuclear generation in October 2017. The legislation leveled the state's playing field by allowing nuclear energy to compete with other carbon-free resources in the solicitation process for power-producing contracts.</p>	<p>The Connecticut nuclear bill has contributed \$1.3 billion to economic activity annually, according to a modeling analysis from the Nuclear Energy Institute.⁷</p>	<p>The programs have no data yet to show as they are still in the process of being implemented.</p>
<p>New Jersey's legislature enacted comprehensive clean energy legislation that values the environmental, reliability, and economic contributions of nuclear energy and will help ensure the continued operation of two nuclear plants in New Jersey.</p>	<p>The New Jersey ZEC program has been projected to benefit New Jersey state economic activity by \$809 million annually, according to analysis from the Brattle Group.⁸</p>	

⁷ <https://www.nei.org/CorporateSite/media/filefolder/resources/reports-and-briefs/economic-impacts-millstone-power-station-201701.pdf>

⁸ http://files.brattle.com/files/13065_11755_salem_and_hope_creek_nuclear_power_plants_contribution_to_the_new_jersey_economy1.pdf