

**THE HONORABLE JUDD GREGG: FORMER SENATOR AND GOVERNOR, NEW HAMPSHIRE
TESTIMONY FOR THE RECORD
OHIO STATE HOUSE OF REPRESENTATIVES, ENERGY AND NATURAL RESOURCES COMMITTEE
SUBCOMMITTEE ON ENERGY GENERATION
APRIL 24, 2019**

I would like to thank Chairmen Stein and O'Brien, as well as the members of the committee for holding this hearing and providing an opportunity for me to speak about the importance of nuclear power in Ohio.

My name is Judd Gregg. I am the former Governor of and a former Senator from New Hampshire. I currently am a member of the Advocacy Council of Nuclear Matters. Nuclear Matters is a national coalition of more than half a million members across the country, working to inform and educate the public and stakeholders about the clear benefits of nuclear energy. We support solutions that properly value nuclear energy as a reliable, affordable, safe and carbon-free electricity resource that is essential to America's energy future.

As you have heard from other speakers who have testified before you, our nation's nuclear power plants are vital assets that provide reliable, carbon-free electricity to tens of millions of households and businesses around the country.

Despite their value, a combination of factors – including low natural gas prices and market rules that fail to recognize this value – have caused otherwise exemplary performing nuclear plants to close around the country and put the future of Ohio's two nuclear facilities in jeopardy.

As a former Senator and Governor in New Hampshire, I keenly understand the critical role nuclear energy can play for a single state and an entire region. Nuclear power provides high paying jobs and long-term energy security with at least a 60-year life. Nuclear energy is affordable and predictable in cost because there is little fluctuation in production costs and the average fuel price is more economical compared to other energy sources. And nuclear energy produces no emissions during operation – contributing to cleaner air, less pollution and a healthier population.

Unfortunately, I am also keenly aware of the dire impacts that occur with the untimely closure of a key nuclear facility. As this committee is aware, in 2014, the Vermont Yankee Nuclear Power Plant closed, and its adverse effects on the environment and community in New England were significant. Ohioans must understand the vital part nuclear energy plays in its power generation before it is too late.

The reality is that Vermont Yankee was an asset that benefited three states, contributing over \$60 million to the local economy each year through financial contributions, taxes paid, and employee involvement. The nuclear plant saved New England customers (in Vermont, New Hampshire and Massachusetts) about \$330 million in electricity rate savings versus purchasing the same power from the spot market since 2002. Vermont Yankee's shuttering resulted in hundreds of jobs lost, which was a blow to the local economy. Those jobs have not been fully recovered and those towns have been devastated. Sadly, some small businesses have reported as high as 20 percent in lost revenues. In addition, \$58 million in payroll per year is no longer paid to the over 500 people Vermont Yankee once employed.

Unfortunately, after the closure of Vermont Yankee carbon dioxide emissions rates also increased in New England. According to the 2015 ISO New England Electric Generator Air Emissions Report, the loss of Vermont Yankee increased the use of natural gas- and oil-fired generation, which drove an increase in carbon dioxide emissions in 2015 compared with 2014. We know that when nuclear plants close, it is replaced by natural gas-fired power plants. In Ohio, where there is an abundance of natural gas, this may not seem like an issue, however, the elimination of nuclear would make the state even more dependent on natural gas. And there's a reason for the expression, "don't put all your eggs in one basket."

In New England, where utility rates are among the highest in the country, during some of our most frigid winters, the region experienced challenges in access to natural gas. Nuclear, unaffected by cold weather, was able to meet those challenges when Vermont Yankee was operating. Since that time, residents have seen huge spikes in their bills during these periods of extreme cold. A diverse energy mix helps consumers because it minimizes those volatile periods, helping ensure consistent and affordable electricity prices. This is not a zero-sum game. A robust nuclear industry in Ohio complements natural gas and renewables to the ultimate benefit of residents through competitive rates.

In Ohio, nuclear power accounts for 90 percent of the state's non-fossil fuel generated electricity. According to a report by The Brattle Group, every year Ohio's two nuclear power plants operate, they prevent 4,080 tons of nitrogen oxide and 3,400 tons of sulfur dioxide emissions – helping to reduce dangerous pollution. While renewables like wind and solar represent a growing – and vital – share of Ohio's electricity supply, these sources are still a small fraction of your total generation. States need the flexibility that comes from keeping nuclear facilities online.

On the issue of jobs and economic contributions, the nuclear industry is a shining example for states. Nuclear facilities are designed to operate for 60 to 80 years and Davis-Besse and Perry each have significant life ahead of them, if they are able to remain open. They directly and indirectly employ 4,300 Ohioans. These are long-term, well-paying jobs that won't move somewhere else. They generate more than half a billion dollars in economic activity in the state and provide about \$30 million in net state and local tax revenues every year.

While critics claim that this legislation could give the nuclear energy industry an unfair advantage – this simply is not true. Having a diverse mix of energy is important for any state to keep energy affordable and reliable. While supporting nuclear energy, the state will also continue to support its important natural gas industry. This is not an issue about one or the other – it is an issue about preserving your state's economy and energy resources, of which nuclear is a vital part.

During my time as a Senator and Governor, I recognized how critical it is to learn from lessons of the past. In this instance, it is important to learn from the lessons provided by Vermont Yankee. Earlier I mentioned specific financial hardships that the plant closing caused the community and surrounding area. However, it is important to note that the hardships extend well beyond the finances. New England lost a backbone of its community, and because of that it will never be the same.

Ohio does not have to suffer a similar fate. As you consider House Bill 6, think about your state's and your community's future. While New England cannot turn back the clock, you can prevent something similar from happening here. I urge you to support House Bill 6 and the nuclear generating facilities in Ohio.