Key Benefits of the CPV Valley Energy Center

The CPV Valley Energy Center provides 680 MW of new, reliable, efficient electric-generating capacity in the Lower Hudson Valley, producing lower electricity costs to consumers, reduced emissions through the displacement of less efficient generation, increased reliability and economic development.

Environmental Benefits

CPV Valley is one of the cleanest generators in the state with best-in-class efficiency and its state-of-the-art emissions control technology, assisting New York in its continual air quality improvement efforts.

1. **Lowers Greenhouse Gas Emissions** — CPV Valley’s efficiency allows for more electricity production with less natural gas consumption. Because CPV Valley’s electric production displaces electric production from older, less efficient generators, CPV Valley reduces net greenhouse gas emissions. An independent study conducted by The Brattle Group, determined that new, efficient power generation in the Lower Hudson Valley, such as the CPV Valley Energy Center, will reduce emissions on the grid by half-a-million tons a year.

2. **Greywater** — The plant repurposes wastewater discharged from the city of Middletown’s wastewater treatment facility for a productive use as process water within the plant, which eliminates the use of potable water in the electric production process.

3. **Air Cooled** — CPV Valley’s air cooling minimizes water consumption to approximately 230 thousand gallons per day compared to 2.5-to-5 million gallons per day for non-air-cooled technology.
Ratepayer and Reliability Benefits

CPV Valley is reducing electric costs to consumers by approximately $730 million per year because it is more efficient than existing generation infrastructure, and will replace lost capacity from Indian Point’s retirement. Currently, the average age of a New York power plant is 37 years old. CPV Valley, which was funded without ratepayer or taxpayer money, helps modernize New York’s aging power infrastructure.

1. Current electric supply and demand imbalance in the Lower Hudson Valley has increased the cost of capacity, and the retirement of Indian Point (2,000 MW) will only add to this imbalance and further increase costs to ratepayers. Adding supply, such as CPV Valley, increases electric supply in the region and is reducing capacity prices by an estimated $730 million annually.

2. CPV Valley’s new capacity helps offset the increases in system congestion and associated costs, as well as system reliability impacts expected by the New York Independent System Operator (NYISO) when Indian Point retires.

Economic Development

CPV Valley has generated thousands of new jobs for the area and state, significantly stimulating the region’s economy.

1. Job Creation — CPV Valley created over 900 new construction jobs (direct) at the peak of the two-and-a-half year construction period and has a staff of 23 permanent plant operators. When considering the indirect jobs created during the construction period, the total job creation is approximately 3,000 jobs.

2. Economic Activity — CPV Valley is projected to provide over $1 billion of benefit to the local economy ($540 million during construction, plus $463 million over 20 years of operation).

3. New Revenue for the City of Middletown — The project represents a new source of revenue through the purchase of wastewater from the City of Middletown. This water would otherwise be discharged directly into the Wallkill River.

4. Regional Economic Growth — Orange County’s portfolio of economic development opportunities is the richest it has been in years. Competitive energy prices and a reliable source of electricity are key factors in attracting new business and industry to the region.