



# *CPV Valley*

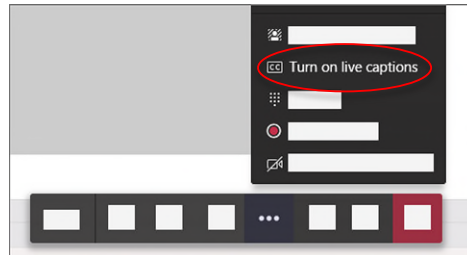


**Public Meeting**  
1 August 2023

# Access for non-English Speakers

## Turn captions on and off

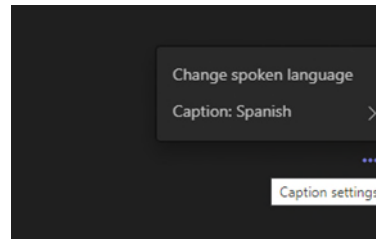
- To use live captions in a meeting, go to your meeting controls and select More options More options button > Turn on live captions.



- To stop using live captions, go to the meeting controls and select More options More options button > Turn off live captions.

## To use live translated captions:

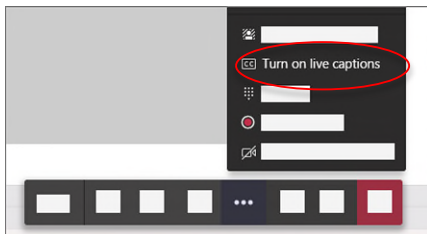
1. Turn on live captions in your meeting.
2. Next to the meeting captions, select More options More options button > Captions.
3. Choose the language you want your captions translated.



# Acceso para no anglófonos

## Activar y desactivar los subtítulos

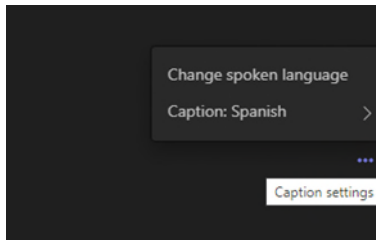
- Para utilizar subtítulos en directo en una reunión, vaya a los controles de la reunión y seleccione el botón Más opciones > Activar subtítulos en directo.



- Para dejar de utilizar los subtítulos en directo, vaya a los controles de la reunión y seleccione el botón Más opciones > Desactivar subtítulos en directo.

## Para utilizar subtítulos traducidos en directo:

1. Active los subtítulos en directo en su reunión.
2. Junto a los subtítulos de la reunión, seleccione el botón Más opciones > Subtítulos.
3. Elija el idioma al que desea traducir sus subtítulos.



# Meeting Format

- ◆ This information session is being recorded and will be submitted to the New York State Department of Environmental Conservation (NYSDEC).
- ◆ Everyone will be on mute until the public comment session.
- ◆ CPV Valley Representatives will make a presentation on the agenda items and open the floor to comments and questions.
- ◆ CPV Valley Representatives will respond to questions during the public comment session but may need to provide some responses in writing after the conclusion of this meeting.



# Agenda

- ◆ Welcome
  - ✓ *Introduction of Personnel Involved in the Public Participation Plan Presentation*
- ◆ CPV Valley's Clean Air Act Title V Permit Application
- ◆ Title V Air Permit and Process
- ◆ About CPV Valley
- ◆ Community Involvement
- ◆ CPV Valley Environmental Stewardship
- ◆ Environmental Justice and Permitting
- ◆ Demonstrated Reliability Need
- ◆ Potential GHG Mitigation Measures
- ◆ Comment Period and Next Steps





# *CPV Valley*



## Permitting Process

# Title V Permit Application

CPV Valley has applied to the NYSDEC for permits under Title V (Air) of the Clean Air Act for the CPV Valley Energy Center.

- ◆ **What is it?**

- A Title V Air Permit is part of the U.S. Clean Air Act and aims to ensure compliance with national air quality standards designed to protect public health and the environment

- ◆ **Who Needs One?**

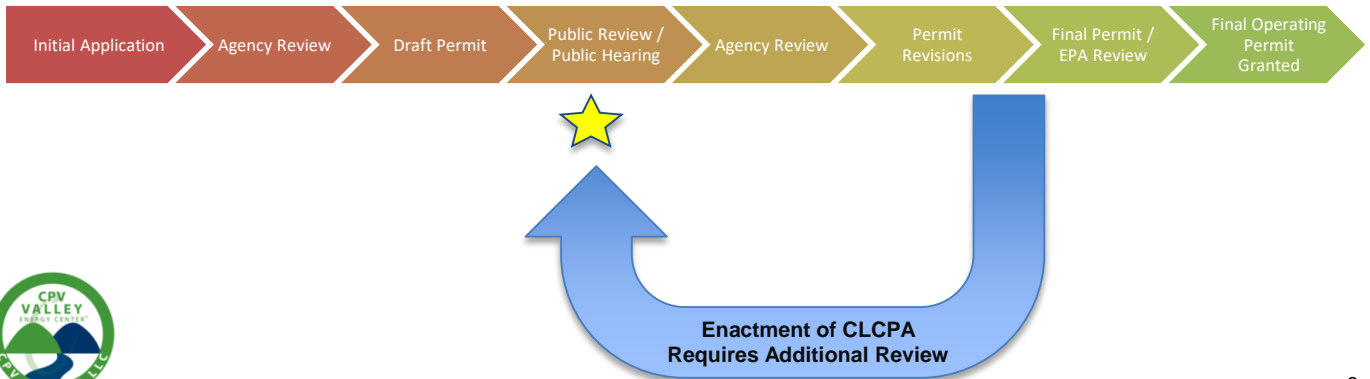
- Facilities such as power plants, chemical manufacturing plants, or large industrial operations with potential to emit air pollutants are typically required to obtain a Title V permit

CPV Valley is **not** proposing a new facility or expanding its facility or operations



# Title V Air Permit and Process

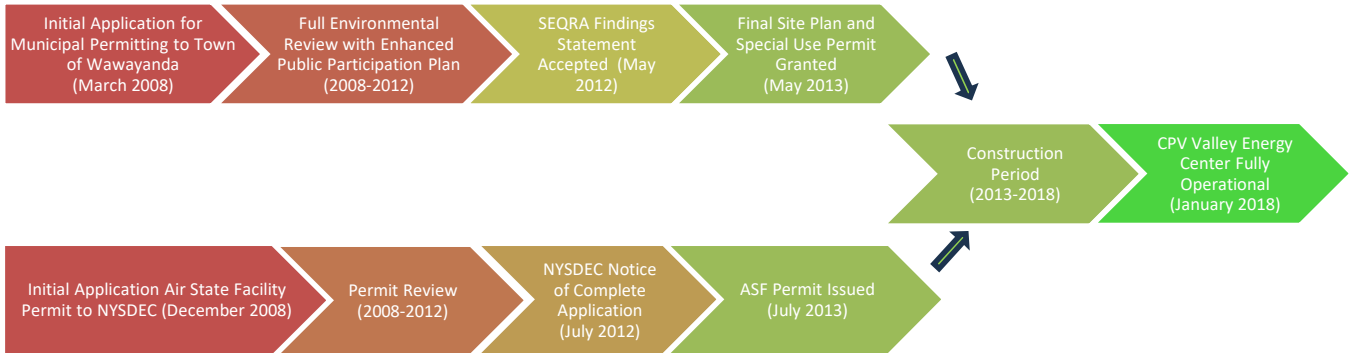
- ◆ **Initial Application:** To obtain a Title V Air Permit in New York, a facility must submit an application to the NYSDEC with detailed information about the facility's emissions and control measures
- ◆ **Public Participation:** Before the permit is issued, there is usually a period of public comment, allowing members of the community to provide input or raise concerns regarding the facility's air emissions
- ◆ **Final Permits:** Final Title V Air permits include emission limitations and other operational conditions designed to protect public health and the environment.
- ◆ **Periodic Renewal and Compliance:** Title V permits must be renewed every 5 years. The permit holder is required to monitor and report on its emissions to demonstrate compliance with the permit conditions





# CPV Valley Permitting 2008 to 2018

## Municipal Approvals



## NYSDEC Permitting



# CPV Valley Permitting 2018 to Present

CVP Valley Energy Center Fully Operational under ASF and Municipal Approvals  
(January 2018 to Present )



Next Steps →



# Environmental Justice & Permitting

## Commissioner Policy 29

Commissioner Policy 29 (CP-29) is a policy that provides guidance for incorporating environmental justice concerns into the NYSDEC environmental permit review process. CP-29 policy goals include:

- Identifying potential environmental justice areas;
- Enhancing public participation requirements for proposed projects in those communities; and
- Establishing requirements for projects in potential environmental justice areas with the potential for adverse environmental impact.

**Enhanced Public Participation Plan:** Public participation in the DEC environmental permit review process means a program of activities that the State of New York provides opportunities for citizens to be informed about and involved in the review of a proposed action. To ensure meaningful and effective public participation, this policy requires applicants for permits covered by this policy to actively seek public participation throughout the permit review process.





# CPV Valley Energy Center

# OUR VISION

- To **modernize the power system** to help to reduce carbon emissions and water usage and contribute to the attainment of global carbon-reduction goals.
- To deliver **dispatchable** and **non-dispatchable** generation technologies designed to **ensure system reliability**, lower carbon emissions and cost.
- To be a **good corporate citizen** by implementing and measuring **ESG metrics** to be a better partner and help states and communities attain their environmental goals.

## QUICK FACTS



We've avoided **millions of tons** of CO<sub>2</sub> emissions



We've recycled **billions of gallons** of water



Our recordable incident rate consistently **beats the industry average**



**Our charitable contributions** go to education and first responders

*Responsible energy starts  
with us*

# Community Involvement

CPV Valley strives to have a positive impact our surrounding communities with a strong focus education programs and First Responders but adjusted to help with food security during COVID.

A few of our recent partnerships include:

- *The Girl Boss Expo in Goshen, NY.*
- *The Run4Downtown, Inc. in the City of Middletown.*
- *Orange County Adopt-A-Family Program.*
- *Church of the Holy Cross Food Pantry.*
- *Town of Wawayanda Elderly Meal Delivery Service.*
- *Town of Wawayanda Food Truck Festival and Fall Festival Sponsor.*
- *Town of Wawayanda Cooley Cemetery Memorial Donation.*
- *Town of Wawayanda Hampton Park Water Well Donation.*
- *Town of Wawayanda Hampton Park Pavilion Donation.*

## **Tax Base Expansion**

- CPV Valley will contribute in excess of \$41 million in property tax payments in the region and will contribute \$11 million in host community payments to the Town of Wawayanda over the first 20 years of operation.

## **Water System Enhancement**

- CPV Valley utilizes a grey water from the City of Middletown wastewater treatment facility, turning a former waste product into a productive, long term revenue stream for the City of Middletown of approximately \$500,000 per year.



# CPV Valley

- ◆ 680-megawatt natural gas fired combined cycle power plant, producing enough power for more than 650,000 homes.
- ◆ **Lowest emitting fossil generation asset in New York State.** Based on independent analysis, CPV Valley displaces an estimated 900,000 tons of CO<sub>2</sub> annually, the equivalent of taking more than 200,000 passenger vehicles off the road for one year.
- ◆ CPV Valley re-uses grey water from the City of Middletown's wastewater treatment facility, eliminating the need for potable water in the electric production process.
- ◆ 23 full time union and management employees including hundreds of skilled laborers during plant maintenance outages.





# *CPV Valley*



## **Reliability Need**



# Demonstrated Reliability Need

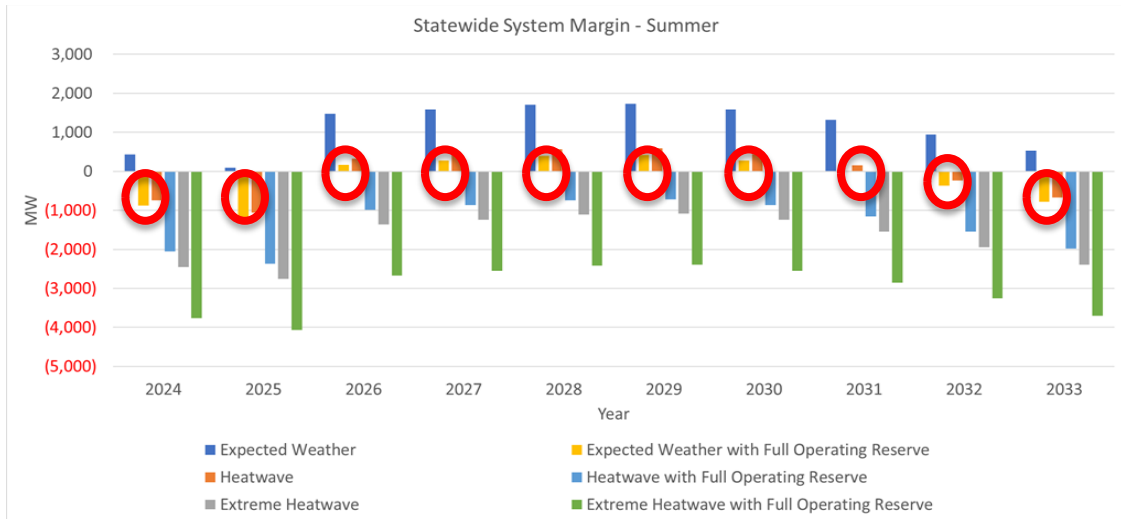
- ◆ In 2022, the New York Independent System Operator (NYISO) conducted a Reliability Study to determine the impacts on the New York Bulk Power Transmission System if CPV Valley was unavailable.
- ◆ The report found:
  - When assuming 100% generator availability and timely additions of new assets, New York will not have enough resources to meet the peak load plus operating reserves by 2030
  - If you apply historic outage rates for generators, New York will not have sufficient resources to meet peak load plus reserves in every year from 2023 through 2031
  - If you assuming 100% generator availability and apply heat wave conditions, the system will be 845 MW short of meeting criteria in 2023 and more than 1,400 MW short in 2031

CPV Valley is a critical asset in helping expand renewables while maintaining reliability for New York State



# Demonstrated Reliability Need (continued)

- ◆ The New York ISO issued its Short-Term Assessment of Reliability (STAR) on July 14<sup>th</sup>, 2023.
- ◆ The report found:
  - New York is unable to meet demand plus reserves in any year without CPV Valley.
  - Even with CPV Valley, the state has a shortfall in 2024 and 2025.
  - If CHPE does not begin operation, the statewide system is projected to be deficient for all years 2025 through 2033.
  - These findings assume expected weather.



Source: <https://www.nyiso.com/documents/20142/16004172/2022-Q2-STAR-Report-Final.pdf/d672bb9f-c5a6-934c-ebcf-4f9e1c3d94e0>





# *CPV Valley*



## **Environmental Impact**

# Environmental Stewardship

- ◆ Since its commercial operation date in 2018, CPV Valley has complied with all of the provisions of its Air State Facility (ASF) Permit. CPV Valley would have also been in compliance with the Title V permit over the same time.
  - No ASF Permit exceedances.
  - No ASF Permit Notice of Violations.
- ◆ The New York State Department of Environmental Conservation (NYSDEC) has conducted annual Full Compliance Evaluation (FCE) Inspections of CPV Valley. The NYSDEC Notice of Inspection Results for the years 2018, 2019, 2020, 2021, and 2022 found:
  - Facility-wide annual emissions were all within the ASF Permit limits.
  - The facility is in compliance with all of its monitoring, record keeping and reporting requirements under the ASF Permit.

*CPV Valley is precisely the type of highly efficient and dispatchable generation necessary to reliably deploy renewable generation and energy storage to meet the requirements of the CLCPA.*



# Environmental Justice

## -Historical-

- ◆ The Town of Wawayanda Planning Board, acting as the lead agency under the State Environmental Quality Review Act (SEQRA), performed a full environmental review and preparation of an environmental impact statement (EIS), including an enhanced public participation plan under the NYSDEC EJ Policy (CP-29).
- ◆ Environmental justice (EJ) issues are addressed in the Draft Environmental Impact Statement (DEIS) and Final Environmental Impact Statement (FEIS).
- ◆ The EJ analysis considered disproportionate adverse human health and environmental impacts on minority and low-income populations using methodologies based upon the NYSDEC EJ Policy (CP-29) and federal guidance documents prepared by the United States Environmental Protection Agency (USEPA) for use in preparing a National Environmental Policy Act (NEPA) environmental justice analysis.
- ◆ The EJ analysis included predicted impacts of CO, SO<sub>2</sub>, PM<sub>10</sub>, and NO<sub>2</sub> for comparison with the corresponding National Ambient Air Quality Standards (NAAQS).



# Environmental Justice

## -Initial Findings-

- ◆ The EJ analysis concluded in part that:
  - CPV Valley was not found to have any adverse air quality impacts;
  - The maximum predicted annual impacts are below the corresponding significant impact levels (SIL);
  - The study area will not receive a disproportionate share of the maximum short-term project impacts; and
  - The analysis found no adverse / disproportionate impacts throughout the environmental justice area regarding traffic and transportation impacts, noise impacts, visual impacts, and impacts on water resources.
- ◆ In its SEQRA Findings Statement, the Wawayanda Planning Board concluded that there were positive socioeconomic impacts with no adverse EJ impacts and approved the CPV Valley in 2013.



# Environmental Justice

## - Updated CLCPA Analysis-

In 2022, updated co-pollutant calculations were conducted in accordance with the Climate Leadership and Community Protection Act (CLCPA).

The conclusions demonstrated:

- The Census Tract where CPV Valley is located is well below the state median for environmental burdens and risk indicators generally associated with natural gas-powered electric generation facilities as defined in the CLCPA.
- The co-pollutant calculations remain consistent with the original projections and demonstrate that the facility's continued operation will not disproportionately burden any Potential Environmental Justice Area (PEJA) or Disadvantaged Community

\*Consultant Reports submitted to the NYSDEC are publicly available on the Document Repository. Website link is included in the notices and in the PPP.





# *CPV Valley*



## Mitigation Measures



# Proposed Mitigation Measures

CPV Valley's continued operation under a Title V permit is consistent with and would not interfere with the attainment of the Statewide GHG emission limits.

However, if the NYSDEC determines additional mitigation is necessary, CPV Valley offered mitigation measures for NYSDEC's consideration.

These include:

- GHG mitigation measures that will result in total GHG reductions from operations
- GHG mitigation measures to support localized decarbonization efforts
- Long-term mitigation measures for potential future implementation



# Proposed Mitigation Measures

## -Operations-

CPV Valley has proposed procuring 100% of its natural gas from MiQ Standard certified natural gas (MiQ Certified Gas) with Grade A Certificates (MiQ Certificates) from the MiQ Digital Registry.

- MiQ Certified Gas is verified by an independent 3rd party to have been produced in a manner consistent with specific environmental, social and governance standards that result in significantly reduced GHG emission impacts
- Based on CPV Valley's average annual natural gas consumption for the years 2020 – 2022, use of MiQ Certified Gas will result in a reduction in upstream CO<sub>2</sub>e emissions by nearly 1 million metric tons per year. This represents an approximate **70% reduction in annual upstream GHG emissions.**



# Proposed Mitigation Measures

## -Local Initiatives-

- CPV Valley is recommending the establishment of a regional decarbonization fund coordinated through economic development organizations like the Orange County Partnership and Center for Economic Development. CPV Valley will help provide financial support and help recruit additional businesses to participate. This utilization of the fund's resources will be directed by local municipalities, community leadership and direct input from community members.
- The fund will provide the financial strength for focused decarbonization efforts in the region that may include the electrification of public transportation, electric vehicle charging infrastructure, buildings, local decarbonization efforts, and green spaces.
- We anticipate the specific details to be developed with the relevant stakeholders and after public input and approval by the NYSDEC.



# Proposed Mitigation Measures

## -Long Term Efforts-

- ◆ CPV Valley continues to investigate long-term GHG mitigation measures to ensure long term compliance with the CLCPA statewide GHG emissions reduction goals.
- ◆ There is no technology available today to fully eliminate GHG emissions. However, CPV Valley will undertake technical studies over the term of the Title V permit to determine the technical feasibility of:
  - The use and production of green hydrogen at CPV Valley or the sourcing of green hydrogen for CPV Valley
  - The feasibility of carbon capture facilities located at or adjacent to CPV Valley
  - The use of renewable natural gas (RNG) in sufficient quantities to be a viable long term GHG mitigation option
  - The installation of a battery storage system





# *CPV Valley*



## **Next Steps**

# Comment Period & Next Steps

- Written Comment Period
  - Written comments accepted until August 16, 2023
  - Send to: [skjellberg@cpv.com](mailto:skjellberg@cpv.com)
  
- Document Repository: Relevant application submissions, including CPV Valley's Public Participation Plan is available at Valley's Document Repository <https://cpv.com/our-projects/cpv-valley-energy-center/archive-documents/>
  
- Next Steps- NYSDEC will:
  - review Title V application for completeness
  - issue Notice of Complete Application
  - open a public comment period
  - at its discretion, hold a public hearing
  - complete technical permit review
  - respond to public comments
  - issue final determination on Title V Permit



Contact us at [info@cpv.com](mailto:info@cpv.com)

# Question and Answer / Community Dialog

## Ground Rules for Participation

- ◆ This information session is being recorded and will be submitted to the NYSDEC.
- ◆ If you would like to comment, please raise your hand by selecting “raise hand” from the reactions button.
- ◆ Please state your name / organization and City or Town.
- ◆ Please limit questions / comments to 3 minutes to allow everyone to speak.
- ◆ CPV Valley plans to respond to questions but may need to provide some responses in writing after the conclusion of this meeting.
- ◆ You may also submit written comments to [skjellberg@cpv.com](mailto:skjellberg@cpv.com)

## Microsoft Teams Dial-In Controls

Command Name	Command Keys	Description
Command menu	*1	Press *1 to play the descriptions of dial-pad commands that are available.
Raise/lower hand	*5	Press *5 to raise or lower hand.
Mute/unmute	*6	Press *6 to mute or unmute themselves.





# *CPV Valley*



**Public Meeting**  
1 August 2023