

# TABLE OF CONTENTS

## APPLICATION

### EXHIBIT 1 General Requirements

Appendix 1-A: Certificate of Formation

### EXHIBIT 2 Overview and Public Involvement

Figure 2-1: Regional Facility Location

Appendix 2-A: Master Stakeholder List

Appendix 2-B: Record of Activity

Appendix 2-C: Public Meeting Materials

### EXHIBIT 3 Location of Facilities and Surrounding Land Use

Figure 3-1: Topographic Map

Figure 3-2: Municipal Boundaries and Tax Jurisdictions

Figure 3-3: Existing Land Use

Figure 3-4: Existing Overhead and Underground Facilities

Figure 3-5: Parcels Within 1,000 Feet of Facility

Figure 3-6: Zoning Districts

Figure 3-7: Proposed Land Use

Figure 3-8: Specially-Designated Areas

Figure 3-9: Recreational Areas and Other Sensitive Land Uses

Figure 3-10: Aerial Photographs

Figure 3-11: Facility Layout on Aerial Overlays

Figure 3-12: Oil and Gas Well Setbacks

Appendix 3-A: Adopted Comprehensive Plans

Appendix 3-B: Oil and Gas Well Survey Methodology

### EXHIBIT 4 Real Property

Figure 4-1: Real Property Map of Generating Site

Figure 4-2: Existing and Potential Easements within Facility Site

### EXHIBIT 5 Design Drawings

Appendix 5-A: Civil Design Drawings

Appendix 5-B: Electrical Design Drawings

Appendix 5-C: Collection System Design Drawings

Appendix 5-D: High Voltage Substation Drawings

Appendix 5-E: Equipment Technical and Safety Manuals – CONFIDENTIAL/REDACTED

### EXHIBIT 6 Public Health, Safety and Security

Figure 6-1: Public Health and Safety Maps

Appendix 6-A: Site Security Plan

Appendix 6-B: Safety Response Plan

### EXHIBIT 7 Noise and Vibration

Figure 7-1: Daytime Sound Contours and Sensitive Receptors

Appendix 7-A: Pre-Construction Noise Impact Assessment

	Appendix 7-B: Complaint Resolution Plan
EXHIBIT 8	Visual Impacts
	Appendix 8-A: Visual Impact Assessment (VIA)
	Appendix 8-B: Visual Impacts Minimization and Mitigation Plan (VIMMP)
	Appendix 8-B (Attachment 1) Landscape Mitigation Plan
	Appendix 8-B (Attachment 2) Lighting Plan
	Appendix 8-B (Attachment 3) Solar Glare Analysis Report
EXHIBIT 9	Cultural Resources
	Appendix 9-A: OPRHP Correspondence
	Appendix 9-B: Phase 1A Historic Resources Survey
	Appendix 9-C: Phase 1A Archeological Survey Report
	Appendix 9-D: Historic Architectural Resources Survey
	Appendix 9-E: Phase 1B Archeological Survey Report – CONFIDENTIAL/REDACTED
	Appendix 9-F: Phase 1B Archeological Survey Report Addendum – CONFIDENTIAL/REDACTED
	Appendix 9-G: Unanticipated Discovery Plan
EXHIBIT 10	Geology, Seismology and Soils
	Figure 10-1: Slopes
	Figure 10-2: Trenchless Installation Locations
	Figure 10-3: Soil Types
	Figure 10-4: Bedrock
	Appendix 10-A: Geotechnical Engineering Report
EXHIBIT 11	Terrestrial Ecology
	Figure 11-1: Impacts to Plant Communities
	Appendix 11-A: Agency Correspondence– CONFIDENTIAL/REDACTED
	Appendix 11-B: Rare Plant Survey– CONFIDENTIAL/REDACTED
	Appendix 11-C: Tall Ironweed Literature Review
	Appendix 11-D: Plant and Wildlife Species List
	Appendix 11-E: Iterative Facility Layout Design Matrix
EXHIBIT 12	NYS Threatened or Endangered Species
	Appendix 12-A: Wildlife Site Characterization Report
	Appendix 12-B: Winter Raptor Survey Report - CONFIDENTIAL/REDACTED
	Appendix 12-C: Spring Breeding Bird Survey Report - CONFIDENTIAL/REDACTED
	Appendix 12-D: Office's Determination as to the Existence of Occupied Habitat
EXHIBIT 13	Water Resources and Aquatic Ecology- CONFIDENTIAL/REDACTED
	Figure 13-1: Groundwater Aquifers and Recharge Areas - CONFIDENTIAL/REDACTED
	Figure 13-2: Groundwater Wells Offsets – CONFIDENTIAL/REDACTED
	Appendix 13-A: Private Well Survey Request Letters
	Appendix 13-B: Water Well Data and Private Well Survey – CONFIDENTIAL/REDACTED
	Appendix 13-C: Wetland and Stream Delineation Report
	Appendix 13-D: ORES Surface Waters Jurisdictional Determination Letter
	Appendix 13-E: Stormwater Pollution Prevention Plan (SWPPP)

	Appendix 13-F: Spill Prevention, Control, and Countermeasures Plan (SPCC)
EXHIBIT 14	Wetlands
	Figure 14-1: Delineated Wetlands and Streams
	Appendix 14-A: ORES Wetland Jurisdictional Determination Letter
	Appendix 14-B: Wetland Functional Assessment
	Appendix 14-C: Wetland and Stream Impact Drawings
EXHIBIT 15	Agricultural Resources
	Figure 15-1: Agricultural Districts and Agricultural Value Assessment Exemptions
	Figure 15-2: USDA NASS Cropland Data - 2020
	Figure 15-3: Active Agricultural Land Use
	Figure 15-4: Landowner-Imposed Development Restrictions
	Figure 15-5: Agricultural Drainage System
	Figure 15-6: Mineral Soil Groups
	Appendix 15-A: Agricultural Plan
	Appendix 15-B: Drain Tile Remediation Plan
EXHIBIT 16	Effect on Transportation
	Figure 16-1: Haul Route Map
	Figure 16-2: Approach and Departure Routes for Workers and Employees
	Figure 16-3: Emergency Routes
	Appendix 16-A: Traffic Volume Data
	Appendix 16-B: Crash History Data
	Appendix 16-C: Roadway Rating Photos
	Appendix 16-D: Sight Distance Diagrams
EXHIBIT 17	Consistency with Energy Planning Objectives
EXHIBIT 18	Socioeconomic Effects - CONFIDENTIAL/REDACTED
EXHIBIT 19	Environmental Justice
	Figure 19-1: Potential Environmental Justice Areas
EXHIBIT 20	Effect on Communications
EXHIBIT 21	Electric System Effects and Interconnection
	Appendix 21-A: System Impact Reliability Study – CONFIDENTIAL/REDACTED
EXHIBIT 22	Electric and Magnetic Fields
	Appendix 22-A: Electric and Magnetic Field Study
EXHIBIT 23	Site Restoration and Decommissioning – CONFIDENTIAL/REDACTED
	Appendix 23-A: Decommissioning and Site Restoration Plan – CONFIDENTIAL/REDACTED
EXHIBIT 24	Local Laws and Ordinances
	Appendix 24-A. Copies of Zoning Documents that Identify Local Laws, Resolutions, Regulations, Standards and other requirements
	Appendix 24-B. Applicant Comments to Town of Ripley on Proposed Solar Zoning Law
	Appendix 24-C. Map of Potential Solar Restrictions from Proposed Solar Zoning Law
EXHIBIT 25	Other Permits and Approvals

## COMMONLY USED ACRONYMS AND ABBREVIATIONS

Acronym	Definition
Applicant	ConnectGen Chautauqua County LLC (ConnectGen), a direct subsidiary of ConnectGen LLC
AC/DC	Alternating current/direct current
APE	Area of Potential Effect
BBA	Breeding Bird Atlas (New York State)
BMP	Best management practice
BOP	Balance of Plant
CEF	Clean Energy Fund
CES	Clean Energy Standard
CLCPA	Climate Leadership and Community Protection Act
DEM	digital elevation model
ECL	Environmental Conservation Law
EDR	Environmental Design & Research, Landscape Architecture, Engineering, and Environmental Services, D.P.C
EJ	environmental justice
EM	Environmental Monitor
EMF	electric and magnetic field
ESA	Endangered Species Act
ESRI	Environmental Systems Research Institute
FAA	Federal Aviation Administration
FOIL	Freedom of Information Law
GHG	greenhouse gas
GIS	geographic information system
HDD	Horizontal Directional Drilling
IPaC	Information for Planning and Consultation
kW/kWh/kV	Kilowatt/kilowatt hour/kilovolt
LOCA	Limit of Construction Activity
LOIS	Limit of Impervious Surfaces
LOVM	Limit of Vegetation Management
LSZ	Landscape similarity zone
MW/MWh	Megawatt/megawatt hour
NCBP	Net Conservation Benefit Plan
NLCD	National Landcover Dataset
NYNHP	New York Natural Heritage Program
NRHP	National Register of Historic Places
NWI	National Wetland Inventory
NYISO	New York Independent System Operator
NYSDAM	New York State Department of Agriculture and Markets
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOS	New York State Department of State
NYSDOT	New York State Department of Transportation
NYSDPS	New York State Department of Public Service
NYSERDA	New York State Energy Research and Development Authority

Acronym	Definition
NYSLCS	New York State Agricultural Land Classification System
NYSOPRHP	New York State Office of Parks, Recreation, and Historic Preservation
NYSORPS	New York Office of Real Property Services
O&M	Operations and Maintenance
ORES	Office of Renewable Energy Siting
OSHA	Occupational Safety and Health Administration
PILOT	payment in lieu of taxes
PNIA	Preconstruction Noise Impact Assessment
POI	point of interconnection
PV	Photovoltaic
QA/QC	Quality Assurance and Quality Control
REV	Reforming the Energy Vision
ROW	Right of Way
RUA	Road Use Agreement
Section 94-c	Section 94-c of the New York State Executive Law
SEP	New York State Energy Plan
SGCN	Species of Greatest Conservation Need
SPCC	Spill Prevention, Control, and Countermeasure
SPDES	State Pollutant Discharge Elimination System
SWPPP	Stormwater Pollution Prevention Plan
USACE	U.S. Army Corps of Engineers
USDA	U.S. Department of Agriculture
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
VIA	Visual Impact Assessment
VSR	Visually Sensitive Resources
WMA	Wildlife Management Area
WOTUS	Waters of the United States
WSC	Wildlife Site Characterization