

# HOFFMAN FALLS WIND MATTER NUMBER 23-00038 TABLE OF CONTENTS

## COVER LETTER

## EXHIBIT 1 General Requirements

Appendix 1-A: Certificate of Formation

## EXHIBIT 2 Overview and Public Involvement

Figure 2-1: Regional Facility Location

Figure 2-2: Facility Layout

Appendix 2-A: Stakeholder Engagement Log

Appendix 2-B: Local Agency Consultation and Outreach Correspondence –  
CONFIDENTIAL/REDACTED

## EXHIBIT 3 Location of Facilities and Surrounding Land Use

Figure 3-1: Topographic Map

Figure 3-2: Municipal Boundaries and Taxing Jurisdictions

Figure 3-3: Existing Land Use

Figure 3-4: Existing Overhead and Underground Facilities

Figure 3-5: Parcels within 2,000 Feet of the Facility

Figure 3-6: Zoning Districts

Figure 3-7: Proposed Land Uses

Figure 3-8: Specially-Designated Areas

Figure 3-9: Recreational and Other Land Uses

Figure 3-10: Aerial Photographs

Figure 3-11: Facility Layout Overlays

Appendix 3-A: Adopted Comprehensive Plans

Appendix 3-B: Magnetometer Survey Memorandum

## EXHIBIT 4 Real Property

Figure 4-1: Property Boundaries

Figure 4-2: Lands Enrolled in 480-a Forest Tax Law Program

Appendix 4-A: 480-a Real Property Tax Law Program Forest Management Plan

Appendix 4-B: Property Information Table

## EXHIBIT 5 Design Drawings

- Appendix 5-A: Civil Design Drawings
- Appendix 5-B: Electrical Design Drawings
- Appendix 5-C: Substation Design Drawings
- Appendix 5-D: GE Wind Turbine Setback Considerations
- Appendix 5-E: Site Suitability Reports – CONFIDENTIAL/REDACTED
- Appendix 5-F: Wind Turbine Elevation Drawings
- Appendix 5-G: Wind Turbine Technical Manuals

## EXHIBIT 6 Public Health, Safety and Security

### Figure 6-1: Public Health and Safety

- Appendix 6-A: Safety Response Plan
- Appendix 6-B: Site Security Plan

## EXHIBIT 7 Noise and Vibration

## EXHIBIT 8 Visual Impacts

- Appendix 8-A: Visual Impact Assessment
  - Attachment A: Composite Overlay Map
  - Attachment B: Viewpoint Photolog
  - Attachment C: Visually Sensitive Resources Table
  - Attachment D: Photosimulations and Wireframe Renderings
  - Attachment E: Line-of-Sight Cross Sections
  - Attachment F: Contrast Rating Instructions, Forms and Panel Information
  - Attachment G: Visual Assessment Outreach Synopsis
- Appendix 8-B: Visual Impact Minimization and Mitigation Plan
  - Attachment A: Shadow Flicker Analysis Report – CONFIDENTIAL/REDACTED
  - Attachment B: Conceptual Mitigation Planting Plan

## EXHIBIT 9 Cultural Resources

- Appendix 9-A: Cultural Resources Correspondence Summary
- Appendix 9-B: Phase 1A Archaeological Survey Report– CONFIDENTIAL/REDACTED
- Appendix 9-C: Phase 1A Historic Resources Survey Methodology
- Appendix 9-D: Historic Resources Survey Report
- Appendix 9-E: Phase 1B Archaeological Survey – CONFIDENTIAL/REDACTED
- Appendix 9-F: Archaeological Avoidance Plan – CONFIDENTIAL/REDACTED
- Appendix 9-G: Unanticipated Cultural Resources Discovery Protocol
- Appendix 9-H: Phase 1B Archaeological Survey Addendum Memo
- Appendix 9-I: Revised Archaeological Site Avoidance Plan – CONFIDENTIAL/REDACTED

## 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: Blasting Plan

Appendix 10-B: Preliminary Geotechnical Investigation Report

## EXHIBIT 11 Terrestrial Ecology

Figure 11-1: Plant Communities

Appendix 11-A: Wildlife Species List

## EXHIBIT 12 NYS Threatened or Endangered Species – CONFIDENTIAL/REDACTED

Appendix 12-A: Wildlife Site Characterization Report – CONFIDENTIAL/REDACTED

Appendix 12-B: Threatened and Endangered Species Agency Correspondence –  
CONFIDENTIAL/REDACTED

Appendix 12-C: Raptor Migration Survey Report– CONFIDENTIAL/REDACTED

Appendix 12-D: Breeding Bird Survey Report – CONFIDENTIAL/REDACTED

Appendix 12-E: Winter Raptor Survey Report – CONFIDENTIAL/REDACTED

Appendix 12-F: Marsh Bird Survey Report – CONFIDENTIAL/REDACTED

Appendix 12-G: Forest Raptor Survey Report – CONFIDENTIAL/REDACTED

Appendix 12-H: Office's Determination as to the Existence of Occupied Habitat –  
CONFIDENTIAL/REDACTED

Appendix 12-I: Net Conservation Benefit Plan – CONFIDENTIAL/REDACTED

## EXHIBIT 13 Water Resources and Aquatic Ecology

Figure 13-1: Groundwater Well Offsets – CONFIDENTIAL/REDACTED

Figure 13-2: Groundwater Aquifers and Recharge Areas – CONFIDENTIAL/REDACTED

Figure 13-3: Impacts to State-Regulated Streams

Appendix 13-A: Public Water Well Consultation– CONFIDENTIAL/REDACTED

Appendix 13-B: Private Water Well Consultation Responses – CONFIDENTIAL/REDACTED

Appendix 13-C: Stormwater Pollution Prevention Plan (SWPPP)

Appendix 13-D: Preliminary Construction SPCC

Appendix 13-E: NYS Surface Waters Jurisdictional Determination

Appendix 13-F: Stream Restoration and Mitigation Plan

## EXHIBIT 14 Wetlands

Figure 14-1: Delineated Wetlands and Streams

Figure 14-2: Impacts to State-Regulated Wetlands

Appendix 14-A: Wetland and Stream Delineation Report

Appendix 14-B: NYS Wetland Jurisdictional Determination

Appendix 14-C: Wetlands Functions and Values Assessment

Appendix 14-D: Wetland Restoration and Mitigation Plan

#### EXHIBIT 15 Agricultural Resources

Figure 15-1: NYS Agricultural Districts

Figure 15-2: National Agricultural Statistics Data - 2022

Figure 15-3: Active Agricultural Land Use

Figure 15-4: Landowner-Imposed Development Restrictions

Figure 15-5: Agricultural Drainage Systems

Figure 15-6: Mineral Soil Groups

Figure 15-7: Impacts to Active Agricultural Land

Appendix 15-A: Agricultural Survey Correspondence – CONFIDENTIAL/REDACTED

Appendix 15-B: Agricultural Area Plan

Appendix 15-C: Drainage Remediation Plan

#### EXHIBIT 16 Effect on Transportation

Appendix 16-A: Traffic Control Plan

Appendix 16-B: Sight Distance Analysis

Appendix 16-C: Turbine Component Delivery Vehicle Information

Appendix 16-D: Culvert Recommendation Map

Appendix 16-E: Notice of Presumed Risk

#### EXHIBIT 17 Consistency with Energy Planning Objectives

Figure 17-1: Disadvantaged Communities

#### EXHIBIT 18 Socioeconomic Effects – CONFIDENTIAL/REDACTED

#### EXHIBIT 19 Environmental Justice

Figure 19-1: Potential Environmental Justice Areas

#### EXHIBIT 20 Effect on Communications

Figure 20-1: Communication Systems – CONFIDENTIAL/REDACTED

Appendix 20-A: AM and FM Radio Report

Appendix 20-B: Off-Air TV Analysis

Appendix 20-C: Mobile Phone Report

Appendix 20-D: Microwave Study

Appendix 20-E: Land Mobile and Emergency Services Report

Appendix 20-F: Doppler Radar Report

Appendix 20-G: NTIA Correspondence

Appendix 20-H: Amateur Radio Report

EXHIBIT 21 Electric System Effects and Interconnection  
Appendix 21-A: System Reliability Impact Study – CONFIDENTIAL/REDACTED

EXHIBIT 22 Electric and Magnetic Fields  
Appendix 22-A: EMF Study Report

EXHIBIT 23 Site Restoration and Decommissioning  
Appendix 23-A: Decommissioning and Site Restoration Plan

EXHIBIT 24 Local Laws and Ordinances  
Figure 24-1: Wind Turbine Setbacks  
Figure 24-2: Wind Turbine Siting Constraints  
Figure 24-3: Substation Subdivision Setbacks  
Appendix 24-A: Town of Eaton Local Laws and Ordinances  
Appendix 24-B: Town of Fenner Local Laws and Ordinances  
Appendix 24-C: Town of Nelson Local Laws and Ordinances  
Appendix 24-D: Town of Smithfield Local Laws and Ordinances  
Appendix 24-E: Statement of Justification

EXHIBIT 25 Other Permits and Approvals

## COMMONLY USED ACRONYMS AND ABBREVIATIONS

Acronym	Definition
Applicant	Hoffman Falls Wind LLC
AC/DC	Alternating current/direct current
APE	Area of Potential Effect
BBA	Breeding Bird Atlas (New York State)
BMP	Best management practice
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
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
LOD	Limit of Disturbance
LOG	Limit of Grading
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
NYCRR	New York Codes, Rules, and Regulations
NYISO	New York Independent System Operator
NYSAGM	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

Acronym	Definition
NYSDOT	New York State Department of Transportation
NYSDPS	New York State Department of Public Service
NYSERDA	New York State Energy Research and Development Authority
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
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
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