



NOBLE WETHERSFIELD WINDPARK, LLC

EXHIBIT 6

ECONOMIC EFFECTS OF PROPOSED TRANSMISSION LINE

230 kV TRANSMISSION LINE

WETHERSFIELD TO ORANGEVILLE

Pursuant to Section 86.7

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TERMS, ACRONYMS, AND ABBREVIATIONS

A	Agriculture Use Zoning District
AADT	Annual Average Daily Traffic
agl	Above ground level
AC	Alternating current
ACSR	aluminum conductor steel reinforced
Ad	Alden Series soils
AM	amplitude modulated radio signal
amsl	above mean sea level
ANSI	American National Standard Institute
Applicant	Noble Wethersfield Windpark, LLC
BaB, BaC	Bath series soils
BIB, BIC, BID	Bath – Valois Complex Series soils
B	Business Use Zoning District
Best Management Practices	construction techniques designed to contain sediments and turbid water from impacting off site soils, surface water and groundwater, and vegetation.
C&R	Camping and Recreation Zoning District
CgA, CgB	Castile Series soils
CIA, CIB	Chenango Series soils
Certificate	Certificate of Environmental Capability and Public Need
conductor	single or multiple wire(s) used to transmit electricity
conductor security zone	air space around a conductor that must be free of vegetation for safe operation of a transmission line
C(t)	NYSDEC designation for streams capable of sustaining trout populations
DC	Direct current
DEIS	Draft Environmental Impact Statement
dielectric fluid	an alkylbenzene dielectric liquid used to control heat dissipation from underground high pressure fluid-filled electric cables
EA	Environmental Assessment
Ee	Ellery Series soils
ErA, EsB	Erie Series soils
EIR	Environmental Impact Report
EIS	Environmental Impact Statement

TERMS, ACRONYMS, AND ABBREVIATIONS (Continued)

encroachment	any man-made structure of a permanent nature that, if allowed to remain in its current location, could interfere with the construction, maintenance or operation of the Proposed Transmission Line
EM&CP	Environmental Management and Construction Plan
EMF	electric and magnetic field
Epsilon	Epsilon Associates, Inc.
ESA	Endangered Species Act
FAA	Federal Aviation Administration
FCC	Federal Communication Commission
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FM	frequency modulated radio signal or short-wave
FIRM	Flood Insurance Rate Map
GIS	Geographic Information Systems
GPS	Global Positioning System
Ha	Halsey Series soils
H-Frame	double pole structure type designed to support aboveground electric circuits
HPFF	high pressure fluid filled cable
HsE	Howard – Chenango Complex Series soils
Hz	Hertz
I	Industrial Use District
IEEE	Institute of Electrical and Electronic Engineers
ID	Identification
JMA	John Milner Associates, Inc.
Joint Application	Combined Federal Army Corps of Engineers and New York State Department of Environmental Conservation wetlands permit application
kcmil	thousand circular mills
kV	kilovolt
kV/m	kilovolts per meter

TERMS, ACRONYMS, AND ABBREVIATIONS (Continued)

LaA, LaB	Langford Series soils
LEF	longitudinal electric field
LPOF	Low-pressure oil-filled cable
M	million
MHz	Mega Hertz
M&E Rating	Mechanical & Electrical Strength Ratings
mG	milligauss
MP	milepost
MrB, MrC	Mardin Series soils
mV	millivolts
MVA	megavolt ampere
MRI	Magnetic Resonance Imagery
MW	megawatt
NEPA	National Environmental Policy Act
NESC	National Electric Safety Code
NMPC	National Grid/Niagara Mohawk Power Corporation
NPCC	Northeast Power Coordinating Council
NPDES	National Pollution Discharge Elimination System
NRCS	Natural Resource Conservation Survey
NWI	National Wetlands Inventory
NYSGIS	New York State Geographical Information Systems
NY-ISO	New York Independent System Operator
NYNHP	New York Natural Heritage Program
NYOPRHP	New York State Office of Parks, Recreation and Historical Preservation
NYPP	New York Power Pool (predecessor of the NY-ISO)
NYSCRR	New York State Code of Rules and Regulations
NYSDAM	New York State Department of Agriculture and Markets
NYSDEC	New York State Department of Environmental Conservation
NYSDOS	New York State Department of State
NYSDOT	New York State Department of Transportation
NYSEG	New York State Electric and Gas Corporation
NYSDPS	New York State Department of Public Service
NYSpsc	New York State Public Service Commission
NYPA	New York State Power Authority

TERMS, ACRONYMS, AND ABBREVIATIONS (Continued)

O&M	operation and maintenance
OPRHP	Office of Parks, Recreation and Historic Preservation
OPGW	optical groundwave
OSHA	Occupational Safety and Health Administration
PEM	Palustrine Emergent, Persistent Wetlands
PFO1/4	Palustrine Forested, Broad-leaved Deciduous/Needle-leaved Evergreen Wetlands
PFO1	Palustrine Forested, Broad-leaved Deciduous Wetlands
Pk, Pm	Papakating Series soils
PPE	Personal protection equipment
PSS	Palustrine Scrub-Shrub Wetlands
PILOT	payment in lieu of taxes
PIP	Public Information Program
Proposed Transmission Line	230 kV transmission line proposed for connection of proposed Noble Windpark to the existing NYSEG 230 kV transmission line
Psi	pounds per square inch
PPE	personal Protection Equipment
pu	per unit
PVC	polyvinyl chloride
R	Residential Use Zoning District
Rh	Red Hood Series soils
ROW	right-of-way
ROWs	rights-of-way
S	Seasonal Use Zoning District
SEQR	State Environmental Quality Review
SEQRA	State Environmental Quality Review Act
SPDES	State Pollution Discharge Elimination System
S/NRHP	State and/or National Register of Historic Places
SRIS	System Reliability Impact Study
State	New York State
SWPP	Storm water pollution prevention
SUNY	State University of New York
Su	Sun Series soils

TERMS, ACRONYMS, AND ABBREVIATIONS (Continued)

Tg	Tioga Series soils
USACOE	United States Army Corps of Engineers
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UTM	Universal Transverse Mercator
VRA	Visual Resource Assessment
VEF	vertical electric field
VoA, VoB	Volusia Series soils
Wethersfield Substation	Substation located in Wethersfield
WsB	Williamstown Series soils
XLPE	cross linked polyethylene cable or solid dielectric cable
Y	Youth Training Reservation Use Zoning District

EXHIBIT 6 – ECONOMIC EFFECTS OF PROPOSED TRANSMISSION LINE

6.1 Introduction

This exhibit addresses the requirements of Part 86.7 of Title 16 of the New York Code of Rules and Regulations and Article VII of the Public Service Law (§§ 121 and 122). A description of the potential of the Proposed Transmission Line to affect the economy is provided herein. The economic effects are integrally related to the proposed Wethersfield Windpark. The proposed Wethersfield Windpark, also sponsored by Noble, will undergo separate review by the Town of Wethersfield and other agencies under the State Environmental Quality Review Act (SEQRA).

6.2 Relationship to Noble Wethersfield Windpark

The Proposed Transmission Line will not promote additional development in the towns of Wethersfield and Orangeville. However, the Proposed Transmission Line is critical to the transmission of electricity generated by the 127.5 MW Wethersfield Wind Park, which will have a positive economic impact on the region. The Proposed Transmission Line will enable the electricity generated at the Windpark to be transmitted to the New York State Electric and Gas Transmission Line in Orangeville, which will, in turn, be transmitted to the New York state power grid. The most recent New York State Energy Plan Annual Update 2005¹ indicates that demand for electricity in New York State continues to grow at approximately 1% annually and will continue at that rate over the next ten years. While existing and planned resources (new generation and demand reduction) appear to be

¹ Memorandum from Energy Coordination Working Group (comprised of New York Energy Planning Board agencies), State Energy Plan - 2005 Annual Report and Activities Update, March 2006.

sufficient to meet the forecasted need, there could be a need for additional resources, should there be an increase of peak demand higher than currently forecasted.

The 2002 State Energy Plan also includes a number of broad policy objectives, including increasing energy diversity in all sectors of the State's economy through greater use of energy efficiency technologies and alternative energy resources, including renewable-based energy. The policy objectives also include promoting and achieving a cleaner and healthier environment. The construction and operation of the Proposed Transmission Line, enabling the connection of the Wethersfield Windpark to the State power grid, will contribute to the supply of clean, reliable electricity to the competitive market. Finally, electricity generated from the Windpark and transmitted over the Proposed Transmission Line will contribute to New York State's goal of meeting the 25% Renewable Portfolio Standard (RPS), as described below.

In 2004, the New York Public Service Commission issued its "Order Approving Renewable Portfolio Standard Policy." That Order identified the Commission's renewable energy policy and provided definitions and targets for carrying out the policy. The policy calls for an increase in renewable energy used in the State from the then current level of about 19% to 25% by the year 2013. The 127.5 MW Windpark and Proposed Transmission Line will be a contributing factor to meeting that goal.

6.3 Economic Benefits of the Proposed Transmission Line

Noble anticipates entering into discussions with the Towns of Orangeville and Wethersfield, the County and the school districts to discuss the potential of a Payment In Lieu of Taxes (PILOT) agreement related to the Proposed Transmission Line. There would also be a positive economic effect due to easement payments to landowners.

6.4 Effects on Employment

Construction of the Proposed Transmission Line will have a temporary positive economic impact on the surrounding area through the creation of construction jobs for a 6 to 9 month period. Construction of the Proposed Transmission Line will include a peak work force of up to 25 employees. This work force will be drawn primarily from the region and within New York State and individuals from outside of the region based on the skills of workers required for the job. The construction workforce will consist of linemen, electricians, general construction workers, and members of other crafts and trades necessary to clear the existing right-of-way (ROW). A secondary benefit to area businesses for construction supplies or services for construction workers would also be expected to a limited extent during construction. The operation and maintenance of the Proposed Transmission Line will employ personnel on a periodic basis for line inspections and vegetation management.

6.5 Effects of Construction and Operation on Land-Use Patterns

The Proposed Transmission Line is not expected to have a significant impact on the economy that would result in a change in land use patterns. A portion of the route is through forests or forested wetland some of which may be used for commercial or other purposes (lumber, Sugar Maple production). However, any minor economic impact to landowners would be offset by lease payments associated with the easements. A significant portion of the remaining transmission line route passes through agricultural lands. However, agricultural land that will be used to accommodate the Proposed Transmission Line will continue to be used for agricultural purposes, as placement of any transmission structures will be limited to edges of fields where possible. Where pole placement is located within an agricultural field, all efforts will be made to minimize the land needed for structure placement and to allow the continued agricultural use around the structure(s).

Land occupied by construction equipment or used for staging of materials will not be occupied for long periods of time. Existing access roadways on the ROW may be upgraded to accommodate heavy construction and maintenance equipment for the Proposed Transmission Line. Some new access roads may be necessary but their location will generally be selected to limit impacts on existing land use.

During operation, maintenance crews will periodically inspect the integrity of the line and right of way to ensure there is sufficient clearance from trees and that no obstacles present a danger to the line.