Appendix 3-D: Site Plan Alternatives
The Figures herein depict the amount of wetland impact that was avoided as a result of alternative project configurations that evolved during the design phase. The alternative project configurations were in response to comments received from NYSDEC to minimize impacts to wetlands and Adjacent Area, as well as to achieve other design goals. These design goals included using the existing developed footprint where possible, minimizing clearing of forested areas, avoiding substantial earth movement where possible while maintaining practical technical equipment orientation to facilitate construction and operations in an efficient, safe and least-impact manner. Additional site layout adjustments were made to reduce the substation footprint (via the selection of a Gas Insulated Substation (GIS) vs. a conventional substation design) and orientation of equipment to minimize noise impacts to residences. Additional layout design changes allowed for reduction of slopes in areas near wetland to minimize grading effects and to reduce the size of the stormwater detention basin. The final project site layout is provided herein as Figure 4 and as Figure 1-6 of this DEIS.

These site drawings were originally included in the January 22, 2010 letter to New York State Department of Environmental Conservation (NYSDEC) and the US Army Corps of Engineers (USACOE) as part of the Joint Application for alteration of wetland resource areas associated with the Cricket Valley Energy project. The amount of wetland impact reduction has been highlighted to demonstrate the reduction in wetland impacts that were achieved over time.
Legend

- Wetland Area
- Wetland Impact (Jurisdictional and Non-Jurisdictional)
- GIS Type Switchyard
- Alternate Switchyard

SOURCE:
1. Aerial - Dutchess County 1-foot Resolution 2004 Natural Color Orthoimagery
NYS Digital Orthoimagery Program
NYS Office of Cyber Security & Critical Infrastructure Coordination

CRICKET VALLEY ENERGY

FIGURE 1
M200 REV B
WETLAND IMPACT

Town of Dover, Dutchess County, New York
Legend
- Wetland Area
- Wetland Impact (Jurisdictional and Non-Jurisdictional)
- Wetland Impact Avoided
- Switchyard

Source:
1. Aerial - Dutchess County 1-foot Resolution 2004 Natural Color Orthoimagery
2004 Natural Color Orthoimagery
NYS Digital Orthoimagery Program
NYS Office of Cyber Security & Critical Infrastructure Coordination
Legend
- Wetland Area
- Wetland Impact (jurisdictional and non-jurisdictional)
- Wetland Impact Avoided
- Switchyard

SOURCE:
1. Aerial - Dutchess County 1-foot Resolution 2004 Natural Color Orthoimagery
2. NYS Digital Orthoimagery Program
3. NYS Office of Cyber Security & Critical Infrastructure Coordination

FIGURE 3
C130 REV A
WETLAND IMPACT
CRICKET VALLEY ENERGY
Town of Dover, Dutchess County, New York
FIGURE 4

M200 REV S
WETLAND IMPACT

SOURCE:
1. Aerial - Dutchess County 1-foot Resolution 2004 Natural Color Orthoimagery
NYS Digital Orthoimagery Program
NYS Office of Cyber Security & Critical Infrastructure Coordination

Legend
- Wetland Area
- Wetland Impact (Jurisdictional and Non-jurisdictional)
- Wetland Impact Avoided
- Switchyard