Norfolk County Solar Proposal Overview

October 22, 2020
Kearsarge Energy: Developer, Long Term Owner and Term Operator

- Full Service Developer, Owner and Operator of Renewable Energy Assets since 2010
- Based in Boston with regional Northeast focus
- Focus on public and non-profit sector
  - MA Schools: Grafton Public Schools, Granby Public Schools, Canton Public Schools, Duxbury Public Schools
Proposed Solar Projects

- **Project Name**  
  - North St Ground Mount  
  - Fisher St Ground Mount

- **Solar AC kW**  
  - 5,000.00  
  - 1,000.00
Kearsarge will Own and Operate the facilities

- All arrays are landscaped and screened
- Use sheep to help maintain vegetation working in tandem with Ag. School
- Working with Ag. School to Develop Crops that will Thrive in and among Solar Arrays as Part of Department of Energy Resources Dual Use Agricultural Solar Program
- Kearsarge will continue to own and operate the Solar Arrays.
- The site will be monitored 24/7
- The site will be gated, locked and fully fenced with remote monitored cameras
- Site maintenance includes vegetation management, monitoring of civil/drainage systems and electrical inspections
- Decommissioning reserve to allow for complete removal at end of useful life
- At completion of project life Kearsarge will return the site to its pre-solar state and recycle materials
- Projects will generate taxes for Walpole
Opportunities for the Town of Walpole

- **Increased Tax revenues:** The Project Arrays will deliver millions in increased Tax Revenue with a low impact development solution.

- **Discounted Energy:** Ag. School and the County will both be entering into a Power Purchase Agreement with Kearsarge. Excess electricity generated by the facility could provide Walpole with direct savings (N.B. Walpole currently can only take a small portion of credits due to existing agreements for discounted power).

- **Educational Diversity:** Walpole will be helping to maintain the fiscal strength of the Norfolk Agricultural School and ensuring its continued provision of an important alternative learning environment and curriculum for the residents of Norfolk County.

- **Educational Benefits:** Kearsarge would provide access and educational curriculum to Walpole’s school community including curriculum enhancement, an online performance portal and escorted site visits.

- **Environmental Stewardship:** Walpole, in adding to it’s existing Net Metering portfolio advances its leadership in achieving the Commonwealth’s clean energy goals and Walpole’s objective of 100% renewable energy by 2050.
Fisher St Ground Mount – Preliminary Layout

- Access to internal Ag School roads via existing Fire Trail
- Approx. 100 - 120ft of woods to lot lines of adjoining neighbors / >200 - 300ft from array to nearest homes.

Looking to the North/North-West: Existing vegetative screening will shield view. No clearing to the North of the Array.

~200 ft

Existing vegetation will screen the solar panels

NNW View

Fence

Access to internal Ag School roads via existing Fire Trail
North St Ground Mount – Preliminary Layout

- **Array is over 300ft from the nearest homes**
- **-steep upslope, limited visibility from road**
- **steep downslope**
- **planned screening road and property at same elevation**
- **Array is more than 125 feet from Southern Property Boundary**
- **steep downslope, hidden from road**
- **530 Ft**
- **321 Ft**
- **Road and property at same elevation**
North St Ground Mount – Site Line Field Work

- **Looking to the West/South-West**: Natural topography screens panels.
- **Looking to the North-West**: Vegetative screening will be used along fence line.
- **Flags ~ 250 ft from fence**
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