Norfolk AG Ground Mount Updates post Stakeholder Feedback

Kearsarge’s Great Barrington solar array

December 28, 2020
Fisher Street Original Location

Current Site

Alternate Site

Wetlands
Heard feedback from multiple stakeholders
Approx. 1MW AC Array on ~ 6.5 Fenced Acres
Array sited to minimize tree clearing / preserve some pasture and trail.
0 Acres of clearing vs. 7 Acres (assumes wetlands per MassGIS)
IC Route to focus on underground minimizing poles (unless required by Utility)
Kearsarge to clean up tree / compost area
Pollinator plantings-Bird habitat spread around with a nesting pole
Kearsarge will pay to have Aggie School provide and manage sheep in for vegetative management
Min distance to boundary ~ 65ft (Eastern and Northern Edge)
School uses energy generating the equivalent of 2,081+ tons of CO2 per year. The Fisher Array will help offset this and will help as the campus shoots for carbon neutral
Carbon offsets and Equivalencies
- Carbon sequestration equivalent is 2,366 Acres
- Annually, the Fisher Array prevents the equivalent of 1,997 tons of CO2 released into the atmosphere which is equivalent to:

Taking 391 passenger vehicles off the road
The electricity use of 307 homes
Consuming 203,870 gallons of gasoline
Hilltop Preliminary Layout

- 5MW AC Array
- Array sited to balance tree clearing / pasture use / avoid trails.
- ~ 17.5 Fenced Acres
- ~ 2+ Acres of Clearing
- Min distance to boundary ~ 100ft (Southern Edge)
- Transmission would follow existing access way to North St (buried and pole mounted)
Hilltop Layout Version

- Approx. 5MW AC Array on ~17.0 fenced Acres.
- Siting designed to minimize tree clearing and avoid trails.
  - Mature trees untouched
  - ~ 0.5 Acres of clearing / brush trimming (see green circles)
  - Transmission would follow existing access way to North St (buried and pole mounted)
- Min distance to boundary ~ 100ft (Southern Edge)
- Hilltop would further offset the carbon production associated with the School and County energy use.
- Carbon offsets and Equivalencies
  - Carbon sequestration equivalent is 7,271 Acres
  - Annually, Hilltop prevents the equivalent of 6,138 tons of CO2 released into the atmosphere which is equivalent to:

  - Taking 1,203 passenger vehicles off the road
  - The electricity use of 943 homes
  - Consuming 626,526 gallons of gasoline

Tree clearing / trimming