Encore's 5 MW Brattleboro,VT landfill solar project

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Williston E Chip Alley Solar and Williston F Mountain View Solar

Williston Energy Committee

September 13th, 2023

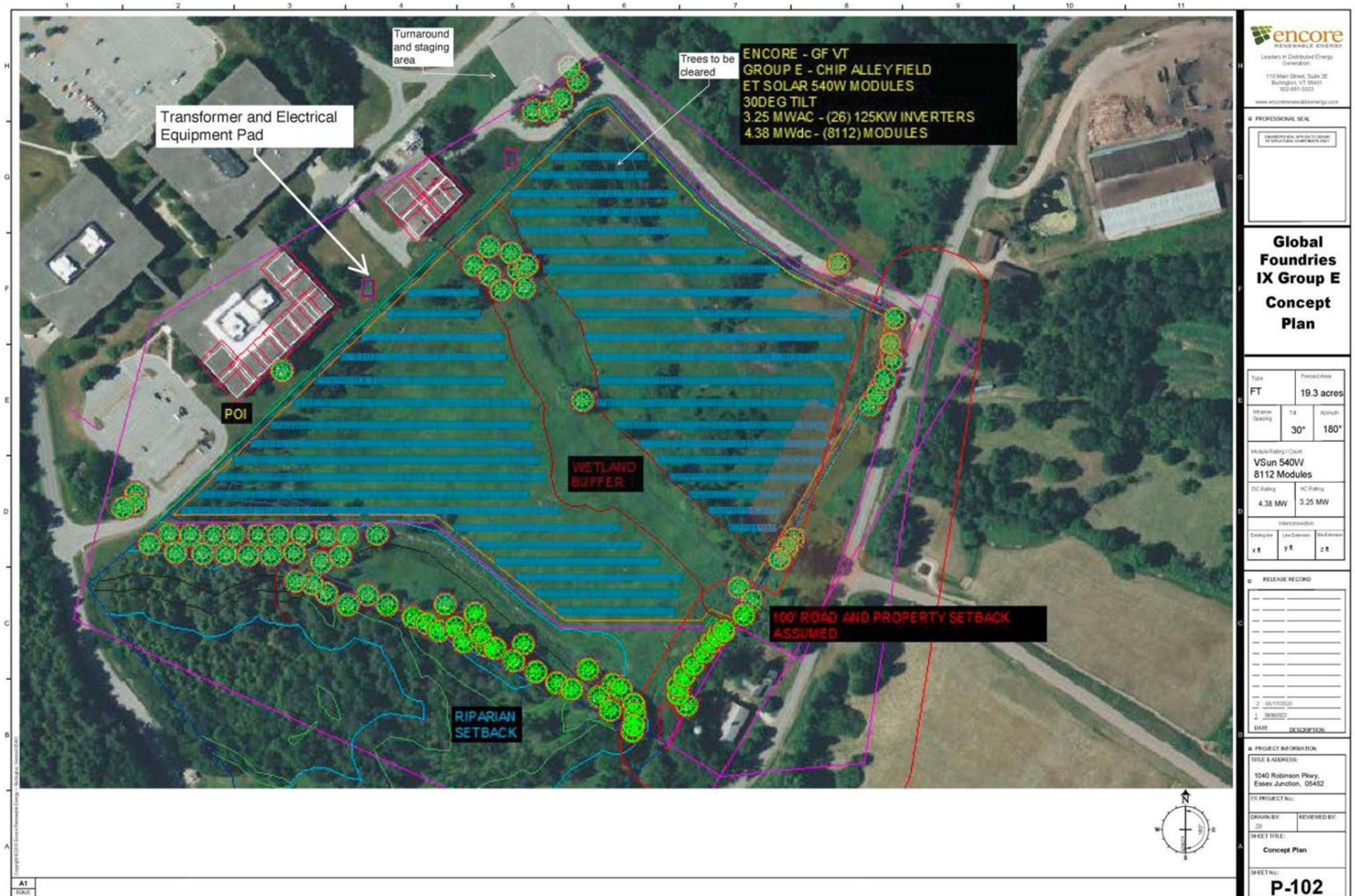
WHO IS ENCORE?

Encore Renewable Energy is a leader in full-service community scale renewable energy services, with a proven track record in project development from concept to completion. As a values-led company, we specialize in reclaiming undervalued real estate for clean energy generation and storage, helping us to revitalize communities and create a cleaner, brighter future for all.

Williston E Chip Alley Solar

- Size
  - 3.25 MWac
- 8,100 panels
- 19 acres
- Fixed tilt racking
  - 10-15 ft off the ground at highest point
  - Rows running east west
- Agricultural style fence: 7-8 ft tall
- Interconnection to existing distribution service along Chip Alley
- Transformer

Williston E Chip Alley Solar Concept Layout



Williston F Mountain View Solar

- Size
  - 1.40 MWac
- 3,300 panels
- 7 acres
- Fixed tilt racking
  - 10-15 ft off the ground at highest point
  - Rows running east west
- Agricultural style fence: 7-8 ft tall
- Interconnection to existing distribution service along Redmond Road
- Transformer

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Williston F Mountain View Solar Concept Layout

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Why Solar on Campus?

- GlobalFoundries petitioned the state PUC for permission to operate its own utility
- Commitment to build on-site solar in Certificate of Public Good
- GF supports and is committed to Vermont's Renewable Energy requirements
- Locate solar generation on existing GF property near the point of consumption
- Minimize impact to regional transmission system
- Minimize all natural resource and aesthetic impacts

Site Selection

Encore and GF have been working for months to identify the lowest impact and most feasible sites

<u>Criteria Include:</u>

- Aesthetics
- Natural Resources
  - Habitat
  - Wetlands, streams, and buffers
  - Stormwater
  - Agricultural soils
  - Endangered Species
- Historical, archeological resources
- Interconnection
- Site access
- Subsurface conditions
- Terrain, topography

Process

- Field studies are ongoing
  - Natural Resources Surveys
  - Archeological
  - Geotechnical
  - Aesthetics
- Field studies will be converted into reports
- These reports will be the attachments to the Certificate of Public Good Petition
- Certificate of Public Good Process is managed by the state PUC
- Process takes anywhere from 8 - 15 months

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Public Utility CPG Process is Comprehensive

- Natural Resources
  - Habitat
  - Rate, Threatened and Endangered Species
  - Flood Corridors
  - Stormwater
  - Wildlife corridors
  - Wetlands, streams, rivers
  - Air quality
  - Water quality
  - Soil Erosion
  - Prime Ag Soils
- Interconnection
  - System Stability and Reliability
- Need for the Project
- Economics
- Orderly Development of the Region
- The CPG Criteria are identified in 30 VSA Section 248
  - The most important criterion for the Town to focus on is 248 (b) (1) orderly development. Key consideration is whether the project complies with the Town Plan

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