

TO: Alex Elvin – DRI Coordinator
FROM: Scott Anderson/Kevin Banks
DATE: 6.10.21
RE: Vineyard Golf Club Turf Maintenance Facility

Commissioners,

At the demands of the Land Use Planning Commission, Vineyard Golf Club engaged the services of solar energy consultants to determine feasibility of installing solar panels at the Turf Maintenance Facility as part of the construction package.

After a site visit, discussion about the intended improvement, and review of the options for a roof-mounted solar array, the SE roof of the new Equipment Storage Building has the most suitable location. The array would be in the same plane as the proposed roof with no overall height change, facing towards the courtyard and Maintenance Building, with no shading from the tree canopy. This location allows for the maximum number of trees to remain for screening/shading without impacting performance.

SYSTEM SIZE

13kWdc/10kWac:

This would be the best value based on Eversource policy. A system this size would produce approximately 14,000 kWh in year 1. (realizing full Net Metering Credits)

Regards,

Vineyard Golf Club