CHABERTON SOLAR HAZEL

Review with Howard County Agricultural Preservation Board

chaberton ENERGY



CHABERTON ENERGY IS A LEADING REGIONAL DEVELOPER

- We have an experienced team dedicated to developing distributed energy projects that serve Virginia, Maryland and Delaware communities and rate-payers with alternative forms of energy
- We seek landowners with whom we partner to develop projects that meet the unique needs of the land, the landowner and the local community. We do this through dedicated collaboration with local jurisdictions and utilities, trusted local engineering firms and our financing partners.
- Our portfolio is composed of community shared solar projects, aggregate net energy meter projects for institutional clients, and other PPA-based projects with commercial and industrial customers, focused on projects <10 MW, such as this one
- We have a portfolio of 130+ projects currently under development with a dozen of those projects having undergone or currently undergoing the local AHJ process
- We are founded & headquartered in Rockville, Maryland

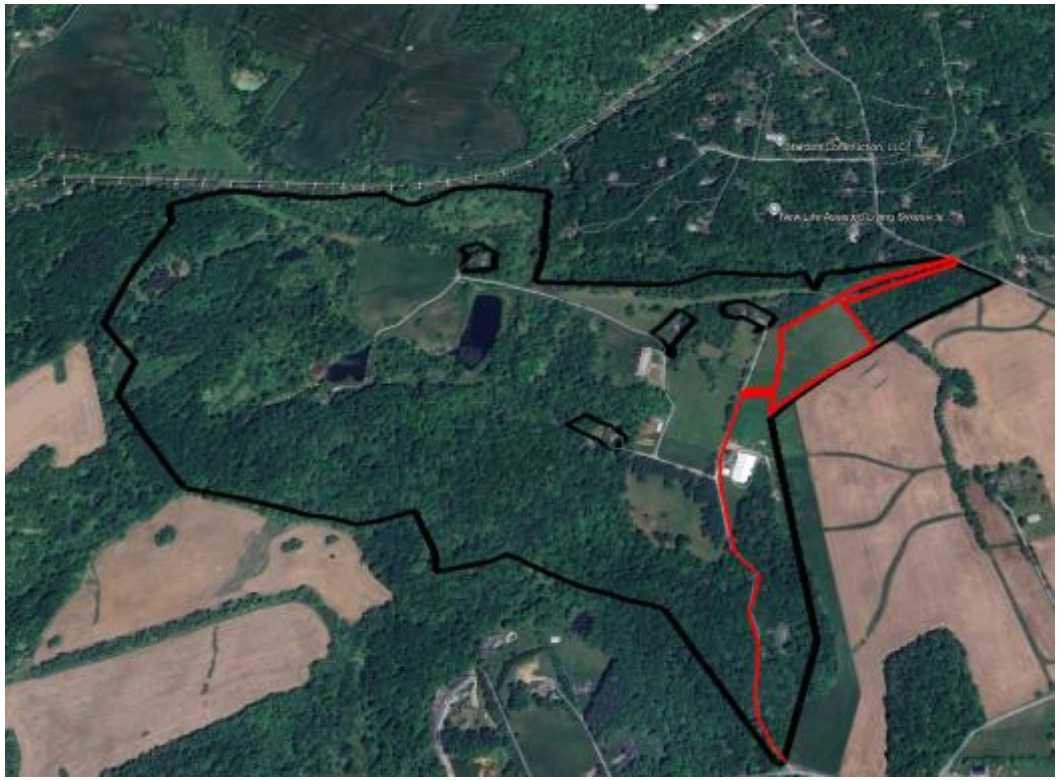


chaberton ENERGY

Creativity. Excellence. Humanity.

PROJECT DETAILS

Project Name:	**Chaberton Solar Hazel LLC ("Hazel")**
Address:	13850 Forsythe Rd, Sykesville, Maryland 21784
Map/Parcel:	0003/0014
County:	Howard
Landowner:	Travis Johnson/ Wise Owl Acres
Parcel Size:	270 acres
Limits of Disturbance:	Approximately 8 acres
Civil / Env Vendor:	Civil: Keller Env: ECS
Project Type:	CSEGS
System Size:	2.0 MW(ac)
Distribution Utility:	BG&E



chaberton ENERGY

Creativity. Excellence. Humanity.



PROJECT ALIGNMENT WITH AG BOARD POLICY

APB CSF Policy Considerations
☑ The Farmer is the owner on the parcel
☑ Diversified income stream to support farming operations
☑ Remaining land expected to exceed the minimum 50% Class I-III and 66% Class I-IV soil requirement
☑ Minimal Impact on Existing Farming Operations, with Pollinator Habitat Supporting Agriculture and Soil Health

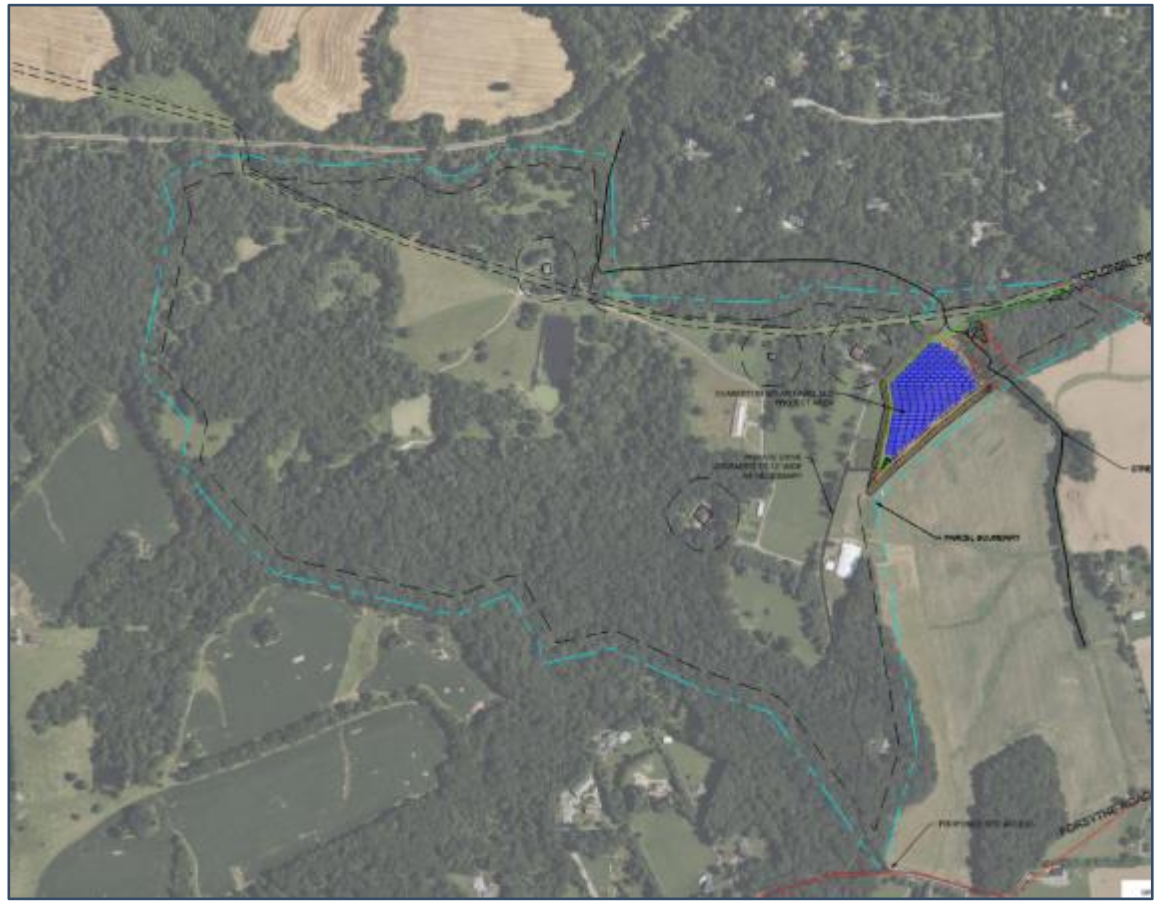
chaberton ENERGY

Creativity. Excellence. Humanity.

AGRICULTURAL/ENVIRONMENTAL IMPACT IS MINIMAL

Major Findings

- The project does not expect to impact critical environmental resources, such as wetlands
- No impacts on Threatened / Endangered species identified
- Project siting & location preserves both viewshed and noise concerns from public roads. Proposed landscaping will be utilized to screen the project from neighbors.
- Utilizing existing roads to access Project area

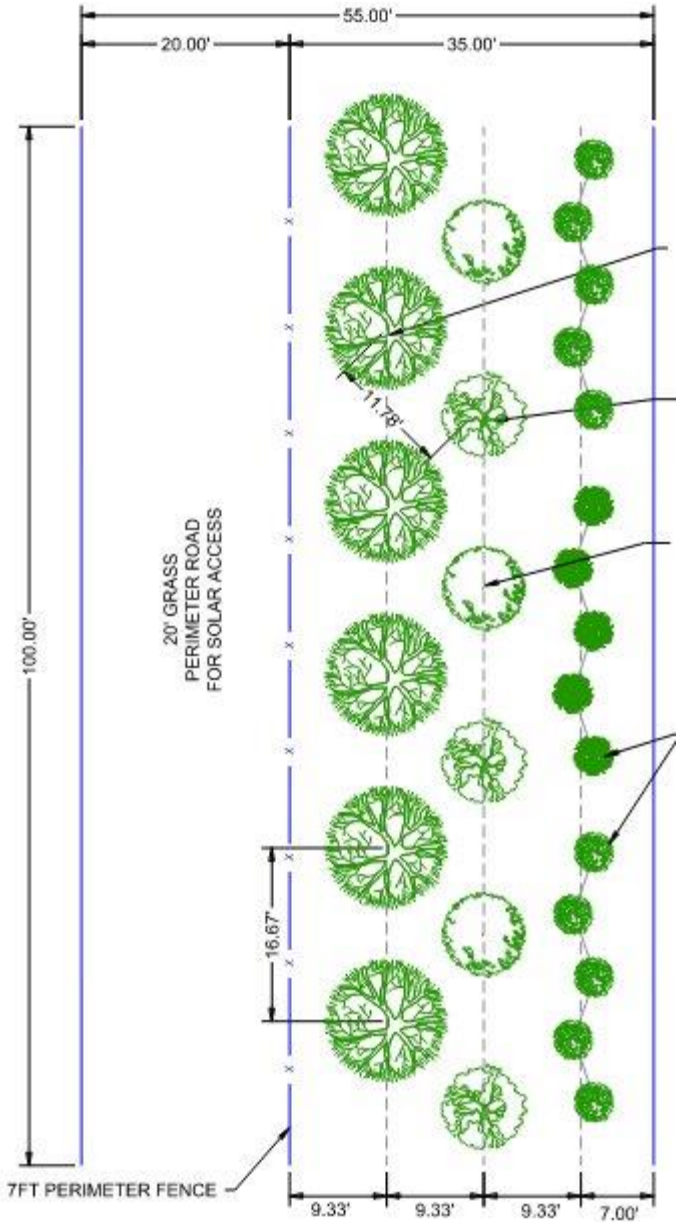


chaberton ENERGY

Creativity. Excellence. Humanity.

EFFECTIVE PROJECT SCREENING

- The projects follow screening requirements in PUA § 7-218
  - Landscaping proposed along boundaries as required
  - Screening requirements satisfied along other project boundaries by existing 50'+ of forest
- Landscape buffer will consist of:
  - Deciduous Trees
  - Evergreen Trees
  - Shrub Plants
- A maintenance agreement and financial surety will be provided with the landscaping plan



chaberton ENERGY

Creativity. Excellence. Humanity.

SOIL ANALYSIS

The full parcel, 254.53 acres

128.72 acres
50.58%, Class I–III soils

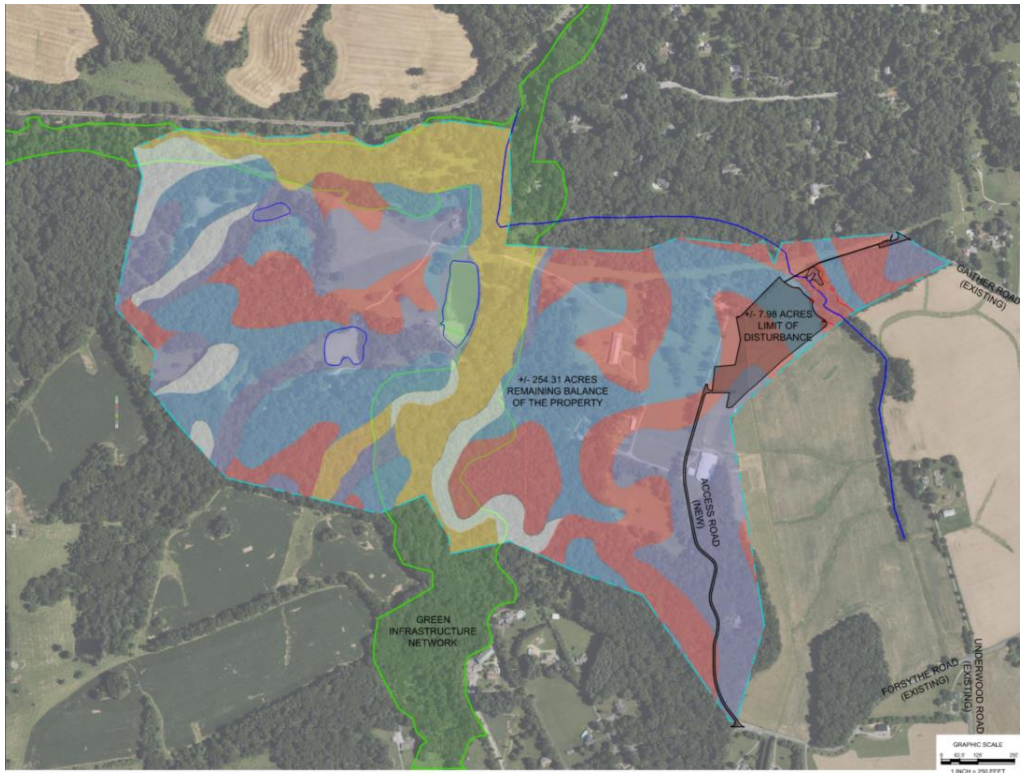
200.53 acres
78.80%, Class I–IV soils

Outside the CSF, 246.33 acres

121.99 acres
49.52%, Class I–III soils

192.36 acres
78.09%, Class I–IV soils

Only 6.73 acres, or 5% of total Class I–III soils, are impacted by the design. The layout is sited to have the least impact on agricultural operations.



Soil classification across the 254.53-acre parcel

chaberton ENERGY

Creativity. Excellence. Humanity.

POLLINATOR HABITAT APPROACH

While the final seed mix and maintenance/establishment plans will be developed prior to construction, draft measures have been included for the Board's review.

Seed mix selection

- Wildflower, forbs, and native grass blend, specific to site soils (i.e Milkweed, Asters, Joe Pye, Mountain Mint)
- High proportion of wildflower to grass seed
- Flowering across the full growing season for season-long nutrition
- Native grass and clover seeds

Establishment

- Mow to 8–10 in. after the first growing season to keep weeds from flowering
- After 2–3 years, mow only in the non-flowering season (Nov–Mar) at >5 in.
- No mass mowing during nesting season (Apr–Aug)

Ongoing management

- Re-seed if perennial grasses become invasive
- Mow ahead of weed flowering
- Deep-rooted plantings improve soil health and stormwater runoff
- Accessibility for personnel and necessary equipment

chaberton ENERGY

Creativity. Excellence. Humanity.

PROJECT HAZEL CREATES WIDESPREAD BENEFITS

Consumer Benefit:

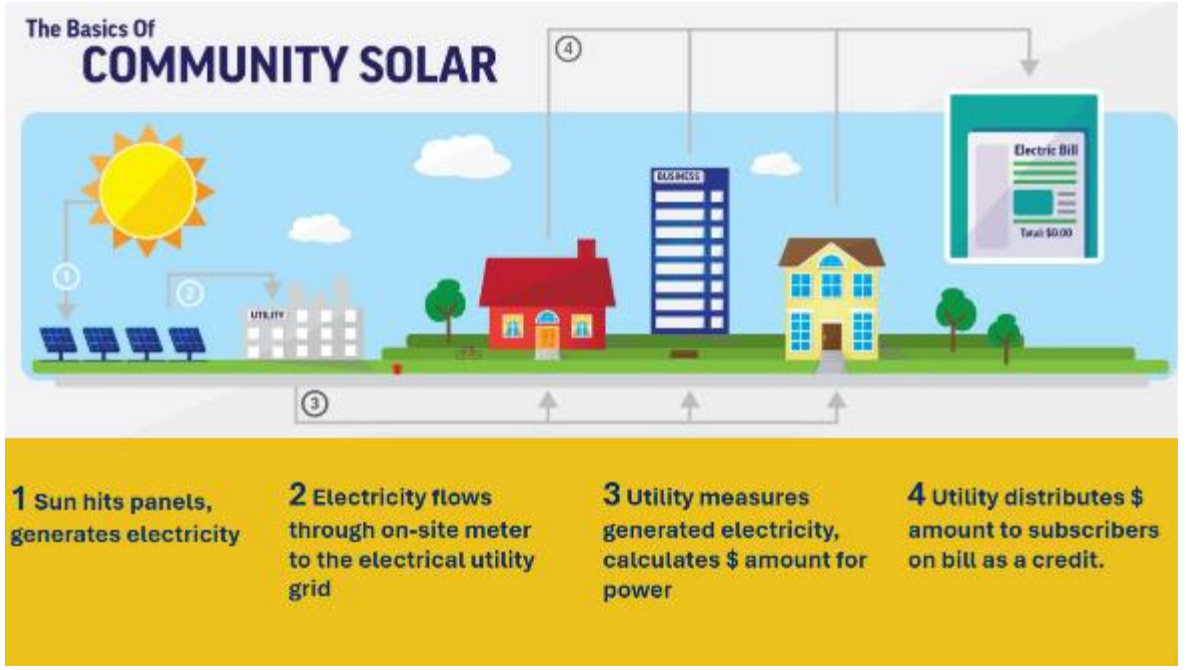
- ✓ The Project will generate enough clean energy to power approximately 250 homes annually.
- ✓ Average annual savings of $640 per subscriber or $25,591 in lifetime savings per subscriber
- ✓ Chaberton Cares will contribute $10,000 to local community organization(s)

County Revenue:

- ✓ Estimated $1.15M paid in taxes to Howard County over the life of each project

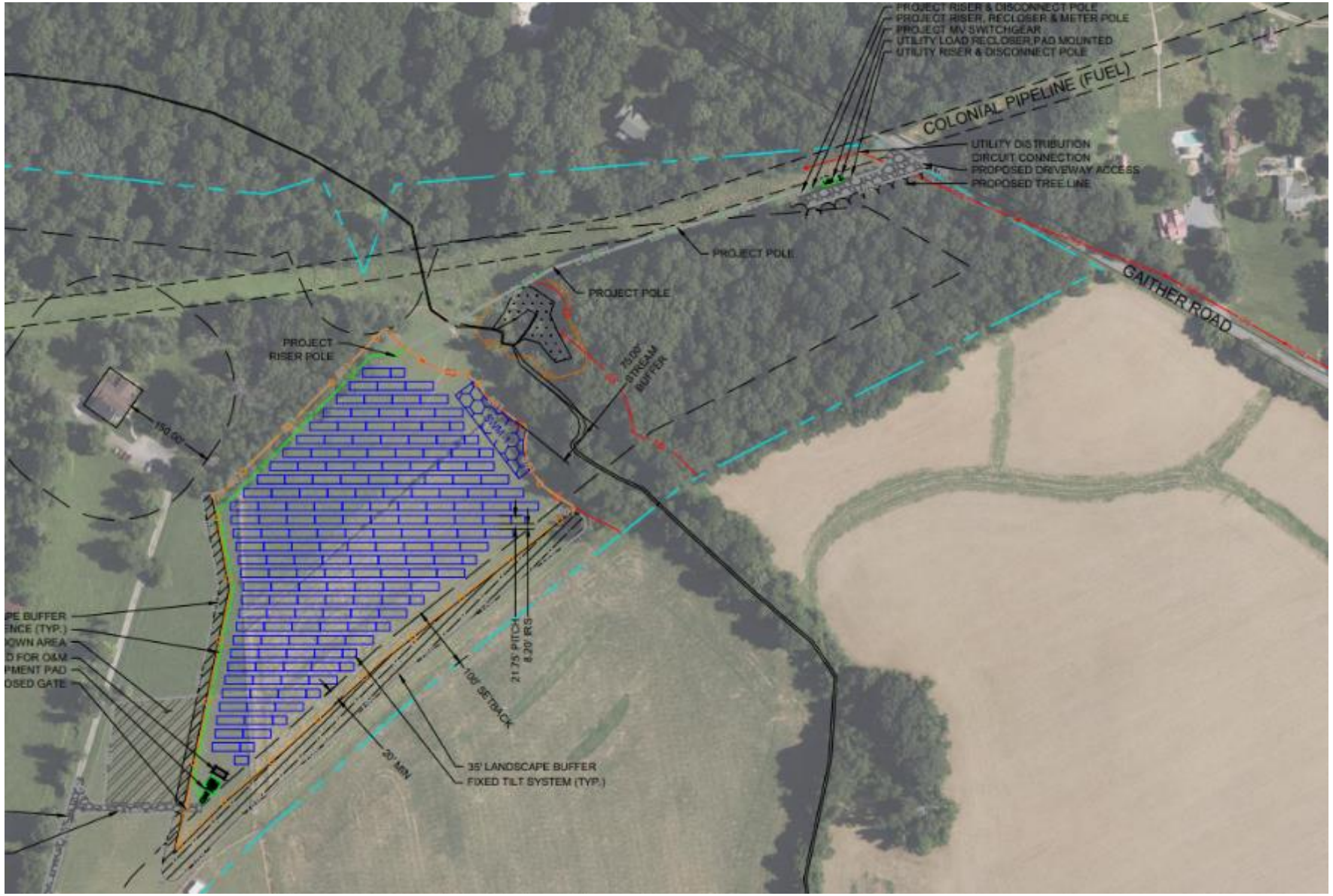
State Revenue:

- ✓ Estimated $1.55M paid in taxes to Maryland over the life of each project



chaberton ENERGY

Creativity. Excellence. Humanity.



chaberton ENERGY

Creativity. Excellence. Humanity.

THANK YOU!

Project Hazel

Aldo Vidro

chaberton ENERGY