





- Reasons for a Survey
 - Land Management:
 - What was the pre-facility land management?
 - How are solar fields typically managed post facility?
 - Facility Management:
 - Who owns the property the facility is located?
 - Who manages the facility?
 - Ground Truthing:
 - How accurate and complete are aerial observations?





- Reasons for a Survey
 - State Records:
 - How accurate and complete are state records?
 - Multi-use Facilities:
 - Are facilities used for multiple purposes such as agricultural production?
 - Solar Panel Structure Types:
 - How do solar panel structures differ?
 - How do panel structures affect land management?



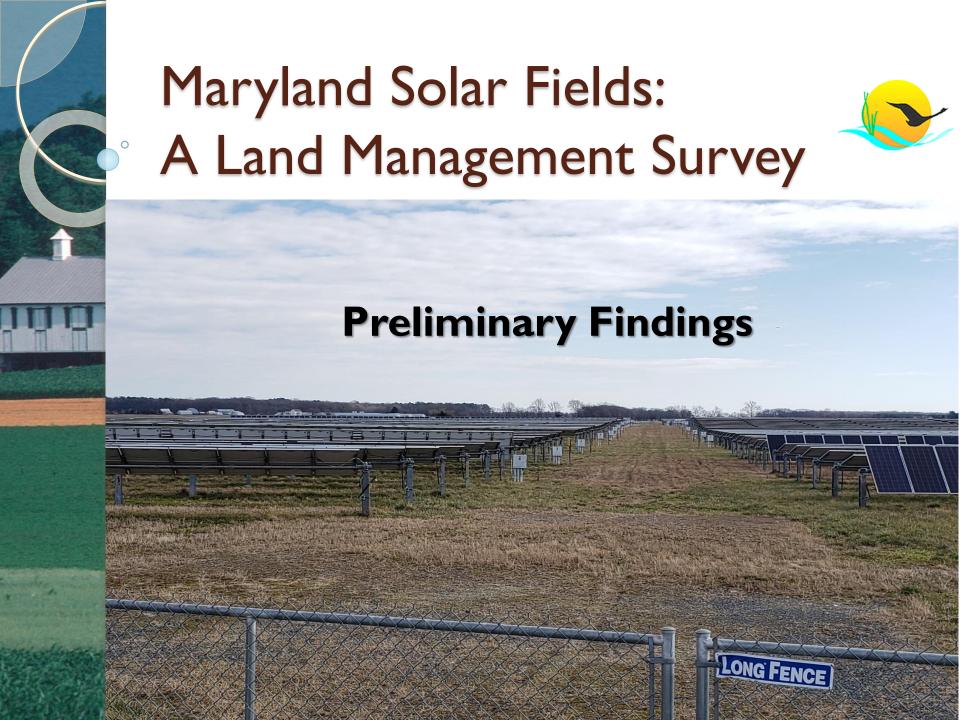








- Solar Field Database
 - USGS:
 - 141 Solar Fields Identified
 - 93 State of Maryland Database
 - 48 Chesapeake Conservancy
 - UME:
 - Additional solar fields are being identified as part of the survey







- Preliminary Findings
 - Characteristics of the Data:

Eastern Shore Sites – 100%

Sample Percentage – ~I%

Primarily Undeveloped Counties

(Multiple Counties)

(140+ Sites Total?)

(Agricultural/Urban)

- Data Confidence:
 - Preliminary data results expected to change as:
 - Developed county sites are added to the data
 - Western county sites are added to the data
- Unknowns:
 - How many currently unidentified solar fields exist.





- Preliminary Findings
 - Facility Types:

Municipal – 55% (State, County, Town, Schools)

Industrial – 27% (Power Generation)

Commercial – 18% (Agricultural)

- Pre-Facility Land Management:
 - Agriculture 63% (Row Crop)
 - Developed 27% (Pervious)
- Post Facility Land Management:
 - Developed 100% (Pervious/Impervious)





- Preliminary Findings
 - Solar Panel Structure Type:

Short Post – 64% (Single Short Post)

Short Post – 9% (Multiple Short Posts)

• Frame – 9% (Post and Frame)

• Tilt Frame – 9% (Row)

Monolithic – 9% (Single Post Elevated)

Interior Land Management:

Turf Grass – 64% (Mowed Regularly)

Tall Grass – 27% (Mowed Infrequently)

Pervious/Impervious – 9% (Paved Parking)

Exterior Land Management:

Security Fencing – 90% (Chain Link)



