Appendix

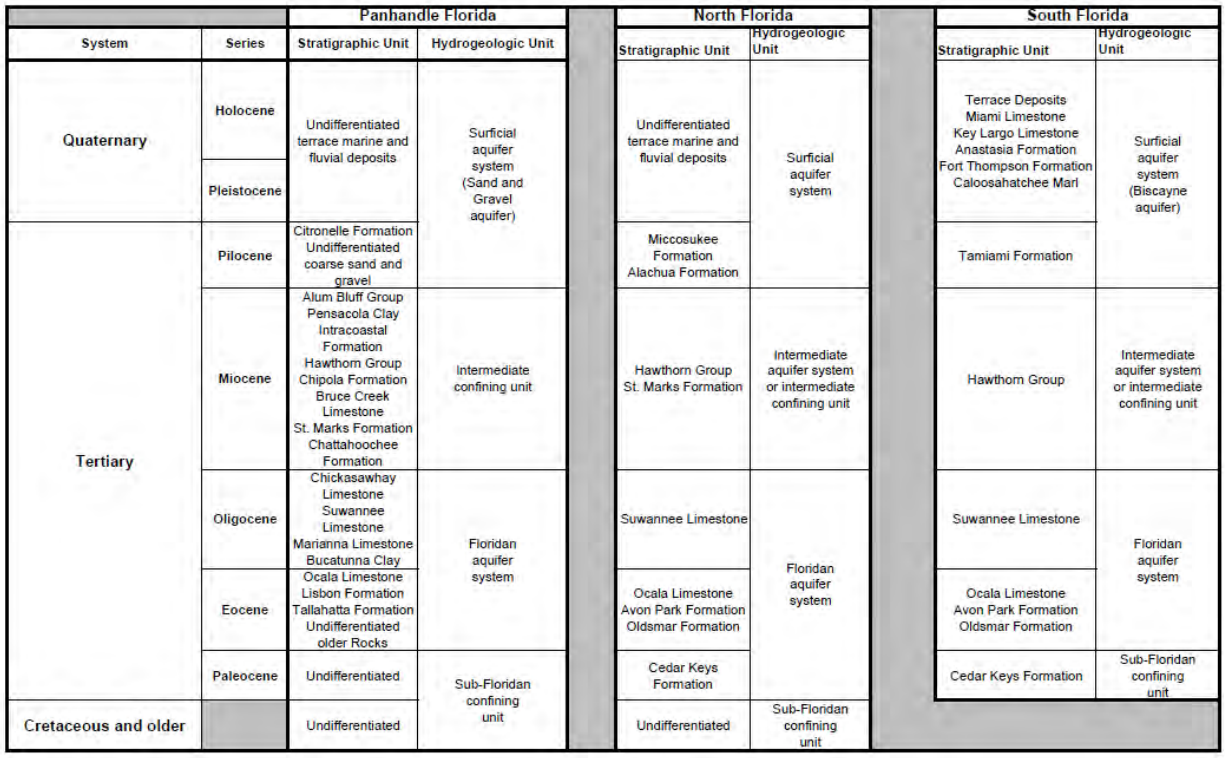
Preferred and Potential Solar Site Descriptions and Maps

Appendix A

Site Descriptions, Environmental, and Land Use Information: *Supplemental Information*

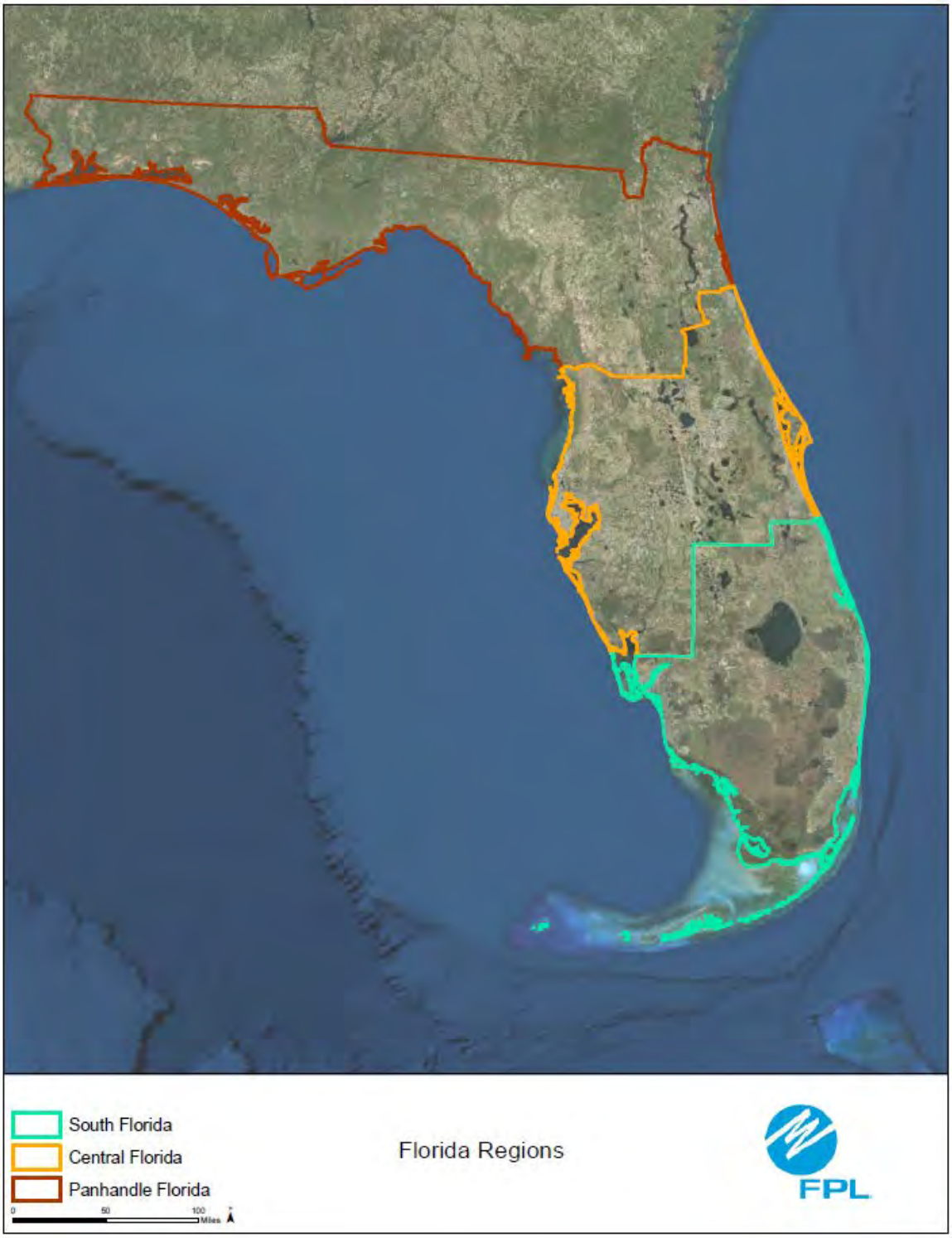
Relationship of Regional Hydrogeologic Units to Major Stratigraphic Units and Florida Regions

Figure A.A.1: Relationship of Regional Hydrogeologic Units to Major Stratigraphic Units



Note: This information is referred to in subsection k, Geological Features of Site and Adjacent Areas, for each of the Preferred Sites.

Figure A.A.2: Florida Regions Map



Note: This information is referred to in subsection k, Geological Features of Site and Adjacent Areas, for each of the Preferred Sites

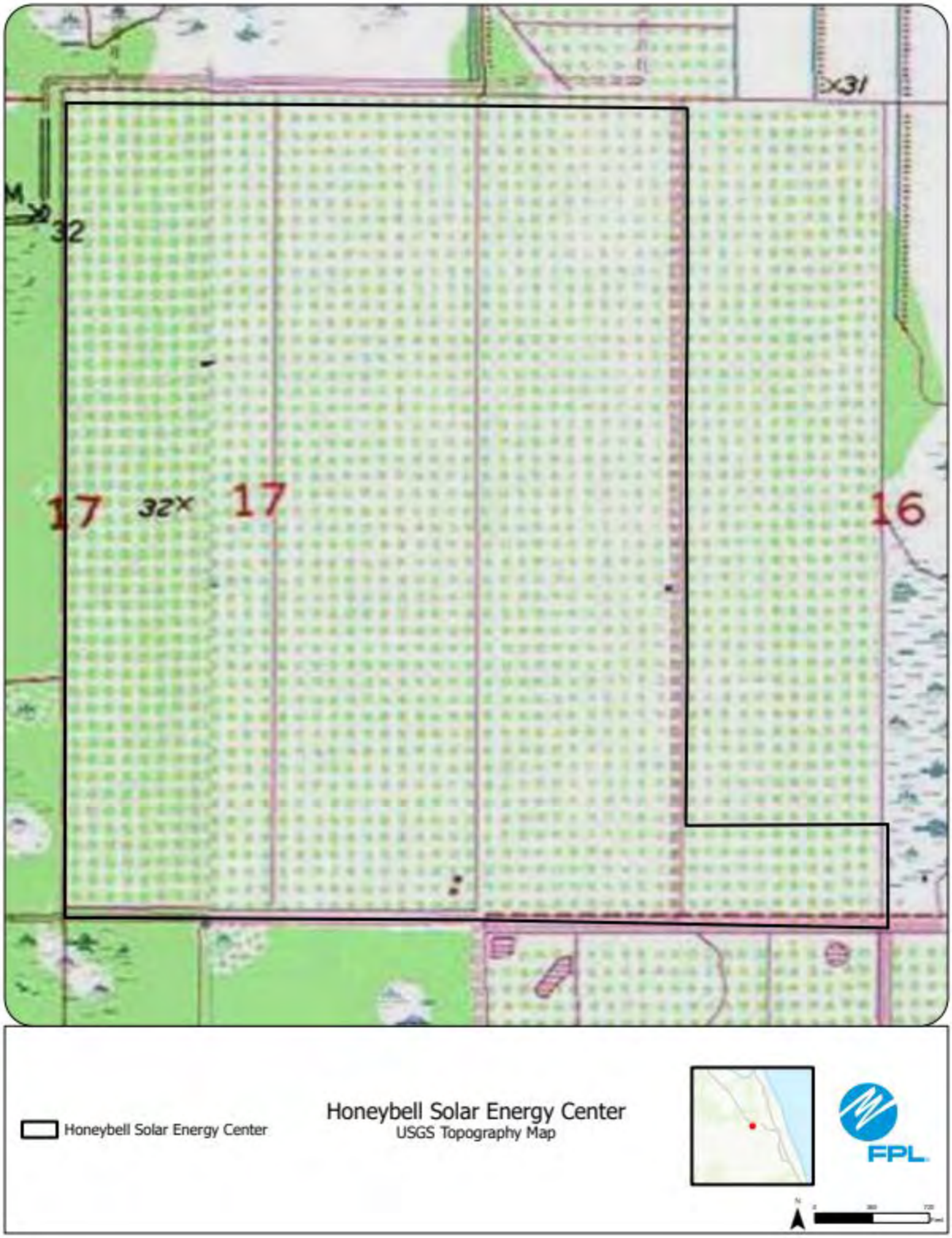
Appendix B Preferred Sites

Below are the descriptions regarding each of the 47 Preferred Sites listed in Table IV.G.1. Following the descriptions are maps showing the topographical features, land use, and facility layout of each site.

Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #1: Honeybell Solar Energy Center, Okeechobee County

	Preferred Site	Honeybell Solar Energy Center
	County	Okeechobee
	Facility Acreage	638 (511 project area)
	COD	11/30/2024
	For PV facilities: tracking or fixed	Tracking
	Reference Maps	
a.	USGS Map	See Figures in the following pages
b.	Proposed Facilities Layout	
c.	Map of Site and Adjacent Areas	
d.	Land Use Map of site and Adjacent Areas	
e.	**Existing Land Uses**	
	Site	Previously Citrus Groves, Improved Pastures, Row Crops. Currently under construction.
	Adjacent Areas	Citrus, Sand Hill Rock Mining
f.	**General Environment Features On and In the Site Vicinity**	
1.	Natural Environment	The predominant upland use on the Subject Property is active citrus groves (634.2 acres), occupying about 50% of the site.
2.	Listed Species	Audubon's crested caracara, wading birds
3.	Natural Resources of Regional Significance Status	No natural resources of regional significance status at or adjacent to the site.
4.	Other Significant Features	FPL is not aware of any other significant features of the site.
g.	Design Features and Mitigation Options	The design includes an approximately 74.5 MW solar tracking panel PV facility, on-site transmission substation, and site stormwater system. Mitigation for unavoidable impacts, if required, may occur through off-site mitigation.
h.	Local Government Future Land Use Designations	Solar facilities are not permitted in the Agricultural Zone at this time. Permitting requires amendment to county comprehensive plan and Conditional Use Permit issuance.
i.	Site Selection Criteria Factors	The site selection criteria included system load, transmission interconnection, economics, and environmental compatibility (e.g., wetlands, wildlife, threatened and endangered species, etc.).
j.	Water Resources	Existing onsite water resources may be used to meet water requirements if permit is pulled. Otherwise, water will need to be trucked from off-site.
k.	Geological Features of Site and Adjacent Areas	See Figure in the following pages. Site is located in the South region.
l.	Project Water Quantities for Various Uses	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable: Minimal, existing permitted supply Panel Cleaning: Minimal and only in absence of sufficient rainfall.
m.	Water Supply Sources by Type	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable and Panel Cleaning: Delivered to Site by Truck or via existing permitted supply.
n.	Water Conservation Strategies Under Consideration	Solar (PV) does not require a permanent water source. Additional water conservation strategies include selection and planting of low-to-no irrigation grass or groundcover.
o.	Water Discharges and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
p.	Fuel Delivery, Storage, Waste Disposal, and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
q.	Air Emissions and Control Systems	Fuel - PV Solar energy generation does not use any type of combustion fuel, therefore there will be no air emissions or need for Control Systems. Combustion Control - Not Applicable Combustor Design - Not Applicable
r.	Noise Emissions and Control Systems	PV Solar energy generation does not emit noise therefore there will be no need for noise control systems.
s	Status of Applications	FDEP ERP Issued: 5/5/2023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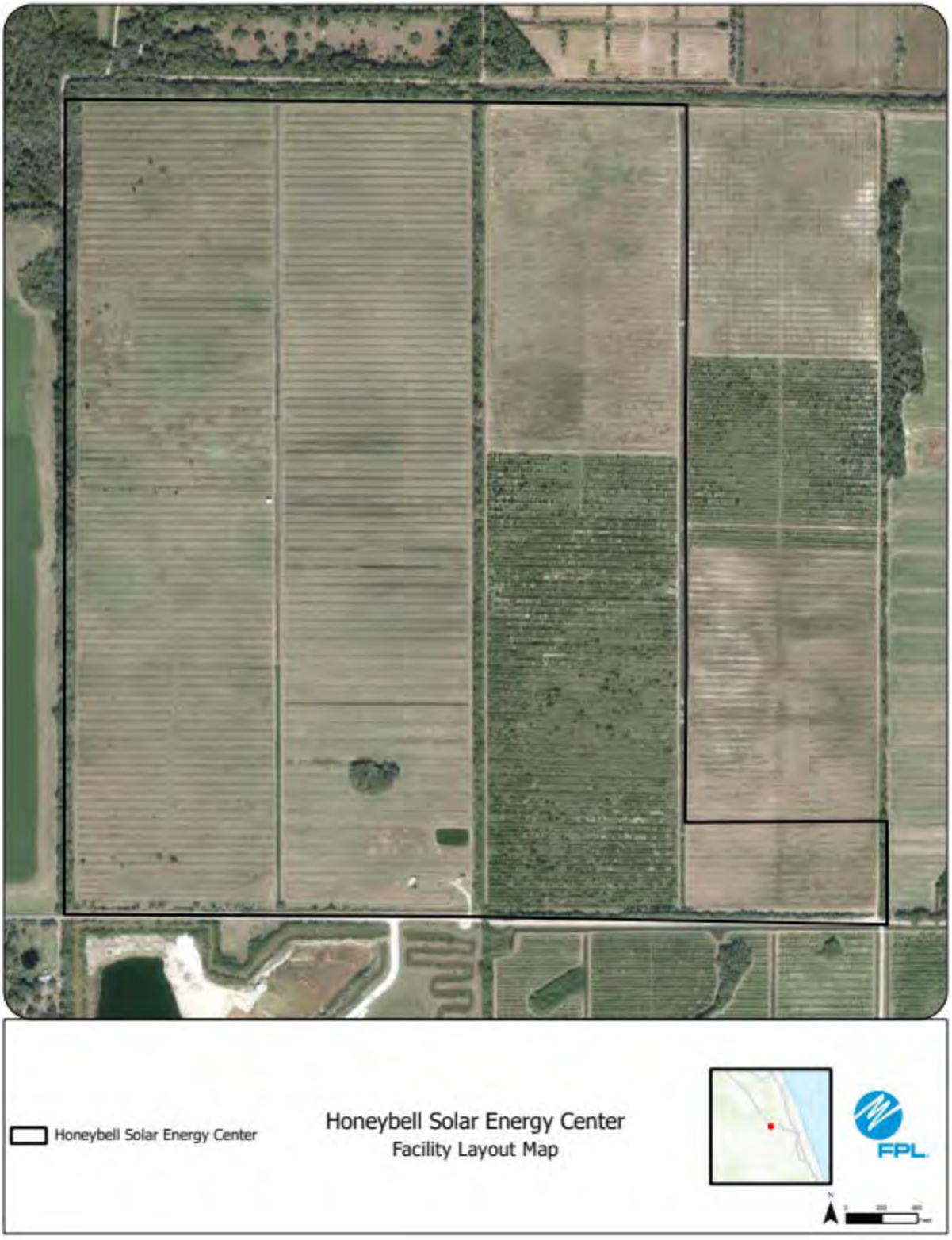
Honeybell Solar Energy Center
Honeybell Solar Energy Center
USGS Topography Map
FPL


Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Honeybell Solar Energy Center
Land Use/Land Cover Map
FPL


Honeybell Solar Energy Center
Honeybell Solar Energy Center
Facility Layout Map
FPL

Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #2: Buttonwood Solar Energy Center, St. Lucie County

	Preferred Site	Buttonwood Solar Energy Center
	County	St. Lucie
	Facility Acreage	2,831 (522 project acres)
	COD	11/30/2024
	For PV facilities: tracking or fixed	Tracking
	Reference Maps	
a.	USGS Map	See Figures in the following pages
b.	Proposed Facilities Layout	
c.	Map of Site and Adjacent Areas	
d.	Land Use Map of site and Adjacent Areas	
e.	**Existing Land Uses**	
	Site	Under construction, previously was active citrus
	Adjacent Areas	Citrus, Pasture, Crop
f.	**General Environment Features On and In the Site Vicinity**	
1.	Natural Environment	Most of the property consists of active citrus groves, with a large surface water in the northern portion of the property, a few sparsely located hardwood forest areas along the eastern side of the property, and irrigation ditches occurring throughout the property.
2.	Listed Species	Bald eagle, Audubon's crested caracara, wading birds
3.	Natural Resources of Regional Significance Status	No natural resources of regional significance status at or adjacent to the site.
4.	Other Significant Features	FPL is not aware of any other significant features of the site.
g.	Design Features and Mitigation Options	The design includes an approximately 74.5 MW solar tracking panel PV facility, on-site transmission substation, and site stormwater system. Mitigation for unavoidable impacts, if required, may occur through off-site mitigation.
h.	Local Government Future Land Use Designations	Solar facilities are not permitted in the Agricultural Zone at this time. Permitting requires amendment to county comprehensive plan and Conditional Use Permit issuance.
i.	Site Selection Criteria Factors	The site selection criteria included system load, transmission interconnection, economics, and environmental compatibility (e.g., wetlands, wildlife, threatened and endangered species, etc.).
j.	Water Resources	Existing on-site water resources may be used to meet water requirements if a permit is pulled or if the facility has an existing CUP/WUP or meets WMD permit-by-rule criteria. Otherwise, water will need to be trucked in from off-site.
k.	Geological Features of Site and Adjacent Areas	See Figure in the following pages. Site is located in the South region.
l.	Project Water Quantities for Various Uses	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable: Minimal, existing permitted supply Panel Cleaning: Minimal and only in absence of sufficient rainfall.
m.	Water Supply Sources by Type	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable and Panel Cleaning: Delivered to Site by Truck or via existing permitted supply.
n.	Water Conservation Strategies Under Consideration	Solar (PV) does not require a permanent water source. Additional water conservation strategies include selection and planting of low-to-no irrigation grass or groundcover.
o.	Water Discharges and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
p.	Fuel Delivery, Storage, Waste Disposal, and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
q.	Air Emissions and Control Systems	Fuel - PV Solar energy generation does not use any type of combustion fuel, therefore there will be no air emissions or need for Control Systems. Combustion Control - Not Applicable Combustor Design - Not Applicable
r.	Noise Emissions and Control Systems	PV Solar energy generation does not emit noise therefore there will be no need for noise control systems.
s	Status of Applications	FDEP ERP Issued: 3/17/23 FDEP 404 GP Issued: 3/21/23


24
LEVEE
SPOIL BANK
LEVEE
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LEVEE
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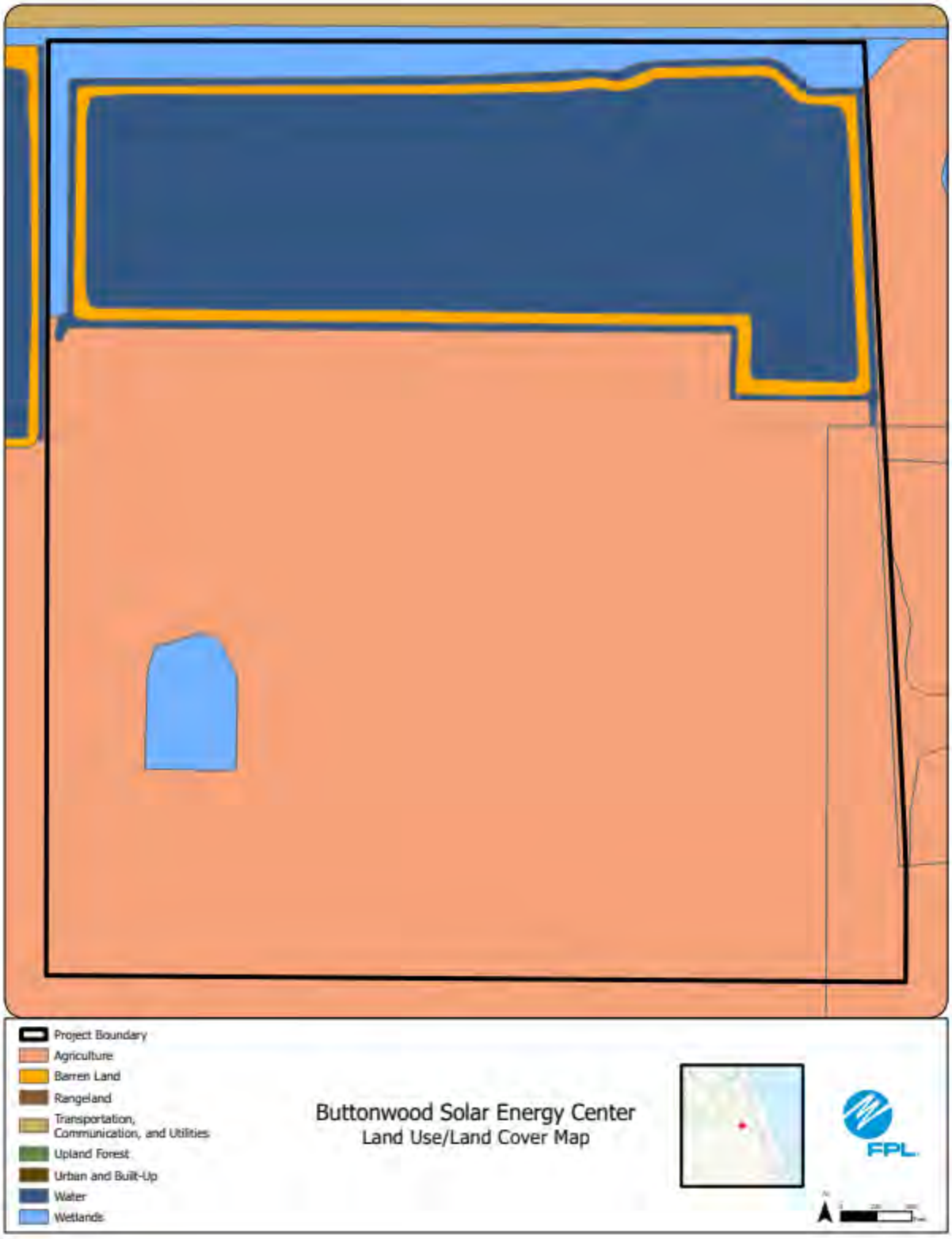
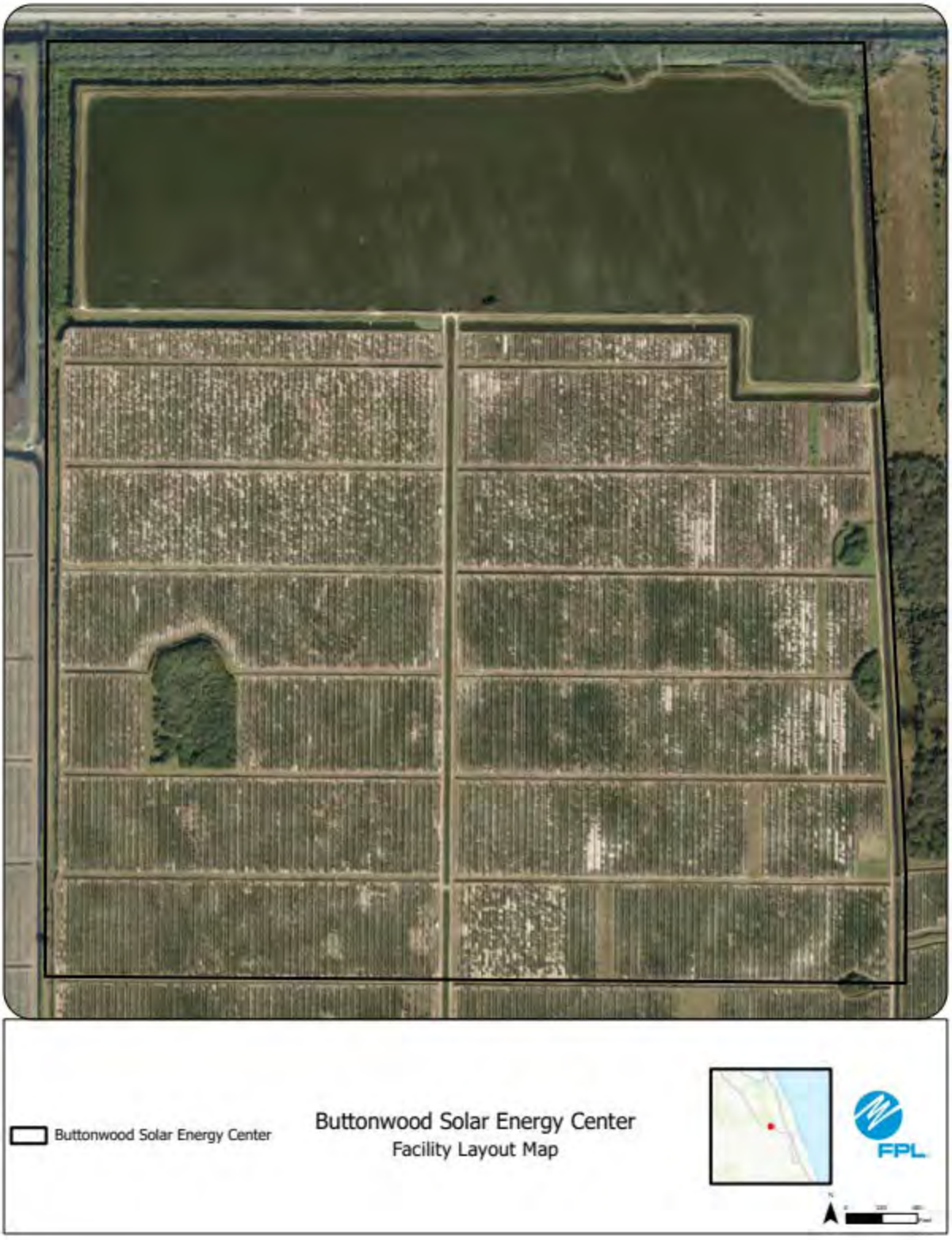
Buttonwood Solar Energy Center
Buttonwood Solar Energy Center
USGS Topography Map
FPL

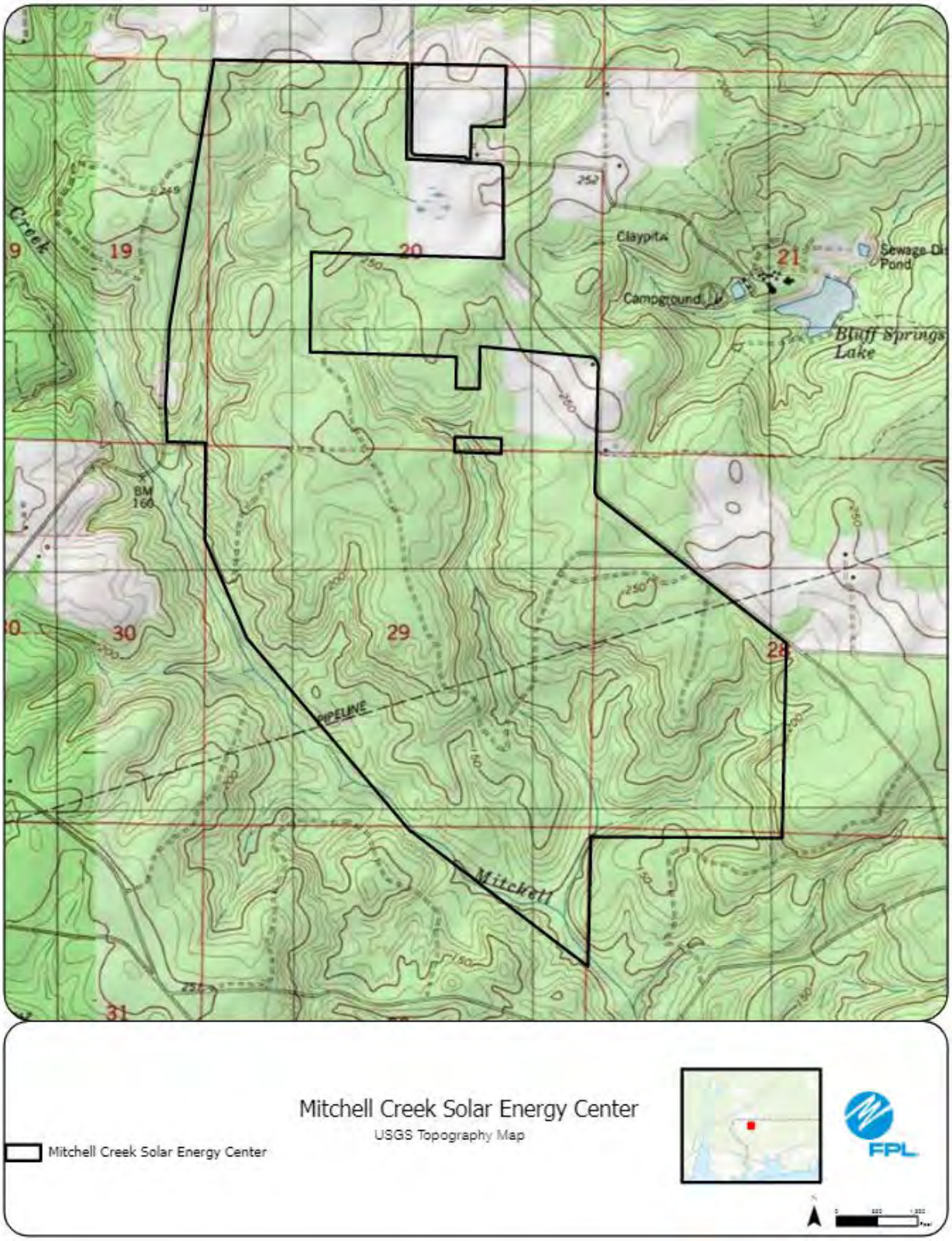

Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Buttonwood Solar Energy Center
Land Use/Land Cover Map
FPL


Buttonwood Solar Energy Center
Buttonwood Solar Energy Center
Facility Layout Map
FPL

Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #3: Mitchell Creek Solar Energy Center, Escambia County

	Preferred Site	Mitchell Creek Solar Energy Center
	County	Escambia
	Facility Acreage	1024 (464 project acres)
	COD	11/30/2024
	For PV facilities: tracking or fixed	Tracker
	Reference Maps	
a.	USGS Map	See Figures in the following pages
b.	Proposed Facilities Layout	
c.	Map of Site and Adjacent Areas	
d.	Land Use Map of site and Adjacent Areas	
e.	**Existing Land Uses**	
	Site	Managed agricultural lands, silviculture
	Adjacent Areas	Pine
f.	**General Environment Features On and In the Site Vicinity**	
1.	Natural Environment	Site consists primarily of managed agricultural lands, forested areas, and silviculture.
2.	Listed Species	Gopher tortoise
3.	Natural Resources of Regional Significance Status	Mitchell Creek runs through site.
4.	Other Significant Features	Mitchell Creek Railroad Bridge and Mitchell Creek Dam 3 located within project boundary.
g.	Design Features and Mitigation Options	The design includes an approximately 74.5 solar fixed panel PV facility and site stormwater system. Mitigation is not required due to no wetland impacts.
h.	Local Government Future Land Use Designations	Solar facilities are not permitted in the Agricultural Zone at this time. Permitting requires amendment to county comprehensive plan and Conditional Use Permit issuance.
i.	Site Selection Criteria Factors	The site selection criteria included system load, transmission interconnection, economics, and environmental compatibility (e.g., wetlands, wildlife, threatened and endangered species, etc.).
j.	Water Resources	Existing on-site water resources may be used to meet water requirements if a permit is pulled or if the facility has an existing CUP/WUP or meets WMD permit-by-rule criteria. Otherwise, water will need to be trucked in from off-site.
k.	Geological Features of Site and Adjacent Areas	See Figures in the following pages. Site is located in the Panhandle region.
l.	Project Water Quantities for Various Uses	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable: Minimal, existing permitted supply Panel Cleaning: Minimal and only in absence of sufficient rainfall.
m.	Water Supply Sources by Type	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable and Panel Cleaning: Delivered to Site by Truck or via existing permitted supply.
n.	Water Conservation Strategies Under Consideration	Solar (PV) does not require a permanent water source. Additional water conservation strategies include selection and planting of low-to-no irrigation grass or groundcover.
o.	Water Discharges and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
p.	Fuel Delivery, Storage, Waste Disposal, and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
q.	Air Emissions and Control Systems	Fuel - PV Solar energy generation does not use any type of combustion fuel, therefore there will be no air emissions or need for Control Systems. Combustion Control - Not Applicable Combustor Design - Not Applicable
r.	Noise Emissions and Control Systems	PV Solar energy generation does not emit noise therefore there will be no need for noise control systems.
s	Status of Applications	FDEP ERP Issued: 2/9/2023


Creek
19
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Claypit
Campground
Sewage Disp
Pond
Bluff Springs
Lake
BM
160
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PIPELINE
Mitchell
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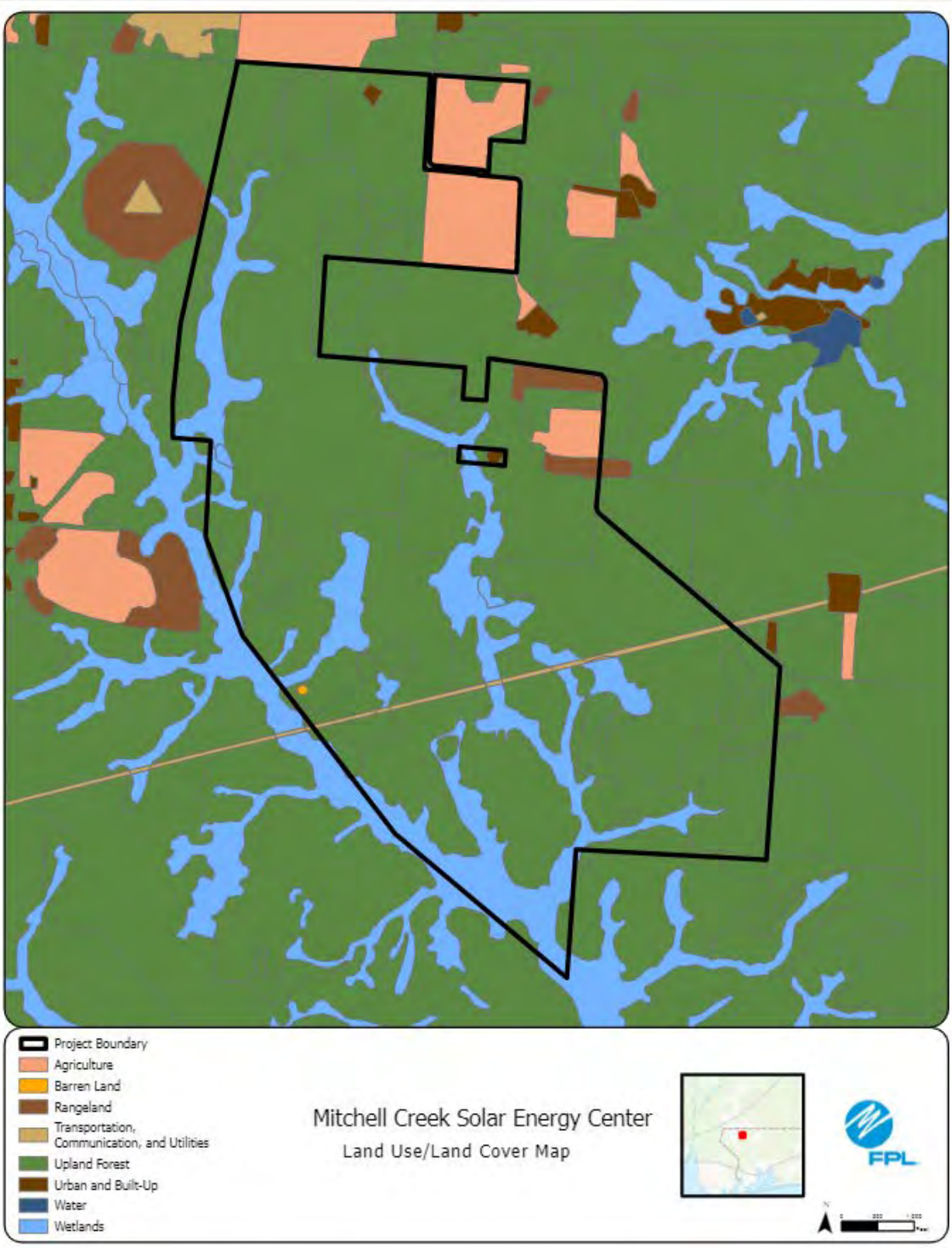
Mitchell Creek Solar Energy Center
Mitchell Creek Solar Energy Center
USGS Topography Map
FPL


Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Mitchell Creek Solar Energy Center
Land Use/Land Cover Map
FPL


Mitchell Creek Solar Energy Center
Mitchell Creek Solar Energy Center
Facility Layout Map
FPL

Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #4: Hendry Isles Solar Energy Center, Hendry County

	Preferred Site	Hendry Isles Solar Energy Center
	County	Hendry
	Facility Acreage	1660 (445 project acres)
	COD	11/30/2024
	For PV facilities: tracking or fixed	Tracker
	Reference Maps	
a.	USGS Map	See Figures in the following pages
b.	Proposed Facilities Layout	
c.	Map of Site and Adjacent Areas	
d.	Land Use Map of site and Adjacent Areas	
e.	**Existing Land Uses**	
	Site	Previously citrus groves, cropland, and improved pasture. Currently in construction.
	Adjacent Areas	Various agricultural lands
f.	**General Environment Features On and In the Site Vicinity**	
1.	Natural Environment	Site is predominantly citrus with some other cropland and improved pasture making up most other lands.
2.	Listed Species	Audubon's crested caracara
3.	Natural Resources of Regional Significance Status	No natural resources of regional significance status at or adjacent to the site.
4.	Other Significant Features	A recorded burial mound is located approximately 3000 feet W of property boundary.
g.	Design Features and Mitigation Options	The design includes an approximately 74.5 MW solar tracking panel PV facility, on-site transmission substation, and site stormwater system. Mitigation for unavoidable impacts, if required, may occur through off-site mitigation.
h.	Local Government Future Land Use Designations	Solar facilities are not permitted in the Agricultural Zone at this time. Permitting requires amendment to county comprehensive plan and Conditional Use Permit issuance.
i.	Site Selection Criteria Factors	The site selection criteria included system load, transmission interconnection, economics, and environmental compatibility (e.g., wetlands, wildlife, threatened and endangered species, etc.).
j.	Water Resources	Existing onsite water resources may be used to meet water requirements if permit is pulled. Otherwise, water will need to be trucked from off-site.
k.	Geological Features of Site and Adjacent Areas	See Figure in the following pages. Site is located in the South region.
l.	Project Water Quantities for Various Uses	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable: Minimal, existing permitted supply Panel Cleaning: Minimal and only in absence of sufficient rainfall.
m.	Water Supply Sources by Type	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable and Panel Cleaning: Delivered to Site by Truck or via existing permitted supply.
n.	Water Conservation Strategies Under Consideration	Solar (PV) does not require a permanent water source. Additional water conservation strategies include selection and planting of low-to-no irrigation grass or groundcover.
o.	Water Discharges and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
p.	Fuel Delivery, Storage, Waste Disposal, and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
q.	Air Emissions and Control Systems	Fuel - PV Solar energy generation does not use any type of combustion fuel, therefore there will be no air emissions or need for Control Systems. Combustion Control - Not Applicable Combustor Design - Not Applicable
r.	Noise Emissions and Control Systems	PV Solar energy generation does not emit noise therefore there will be no need for noise control systems.
s	Status of Applications	FDEP ERP Issued: 1/18/2023 FDEP 404 GP Issued: 1/18/2023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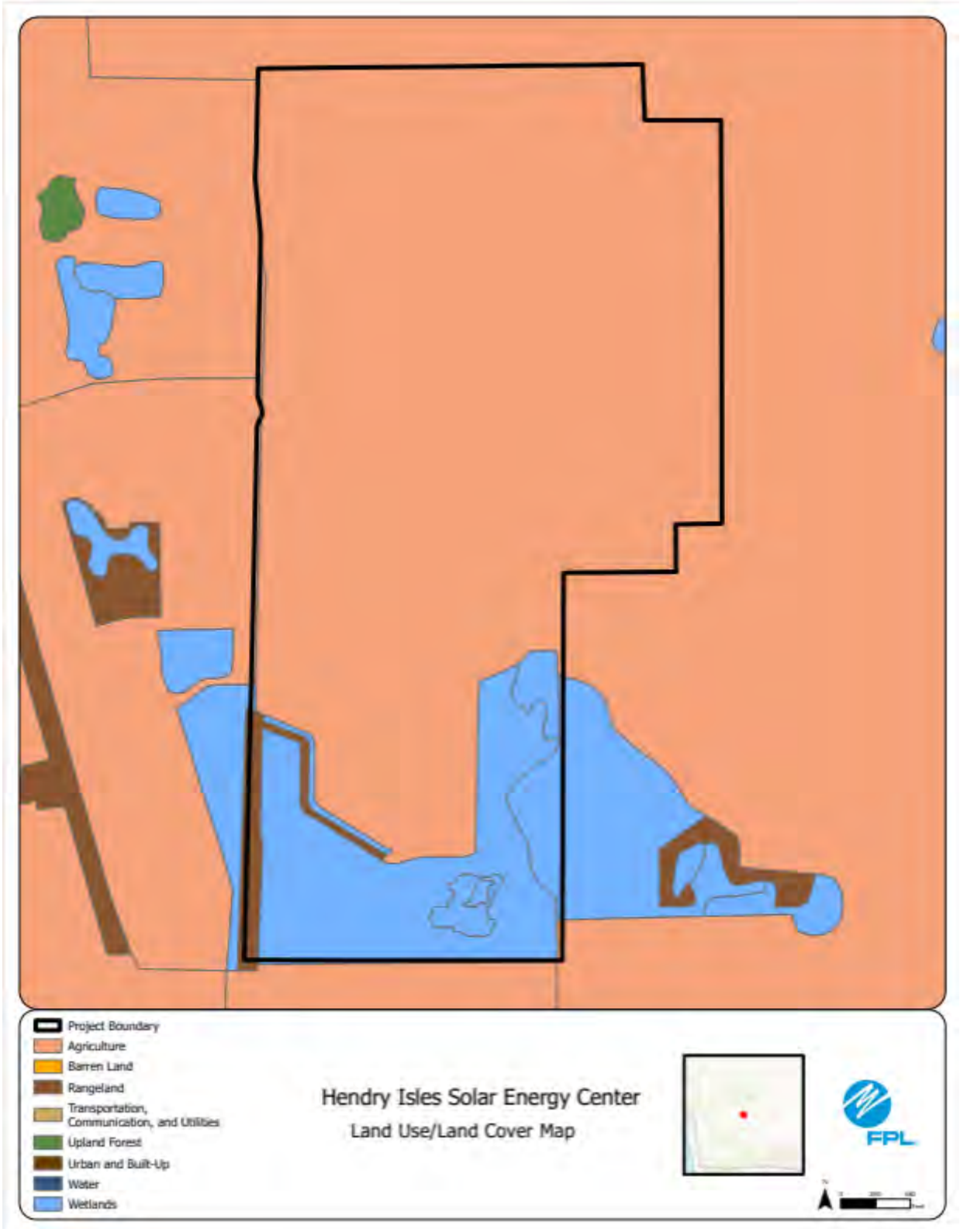
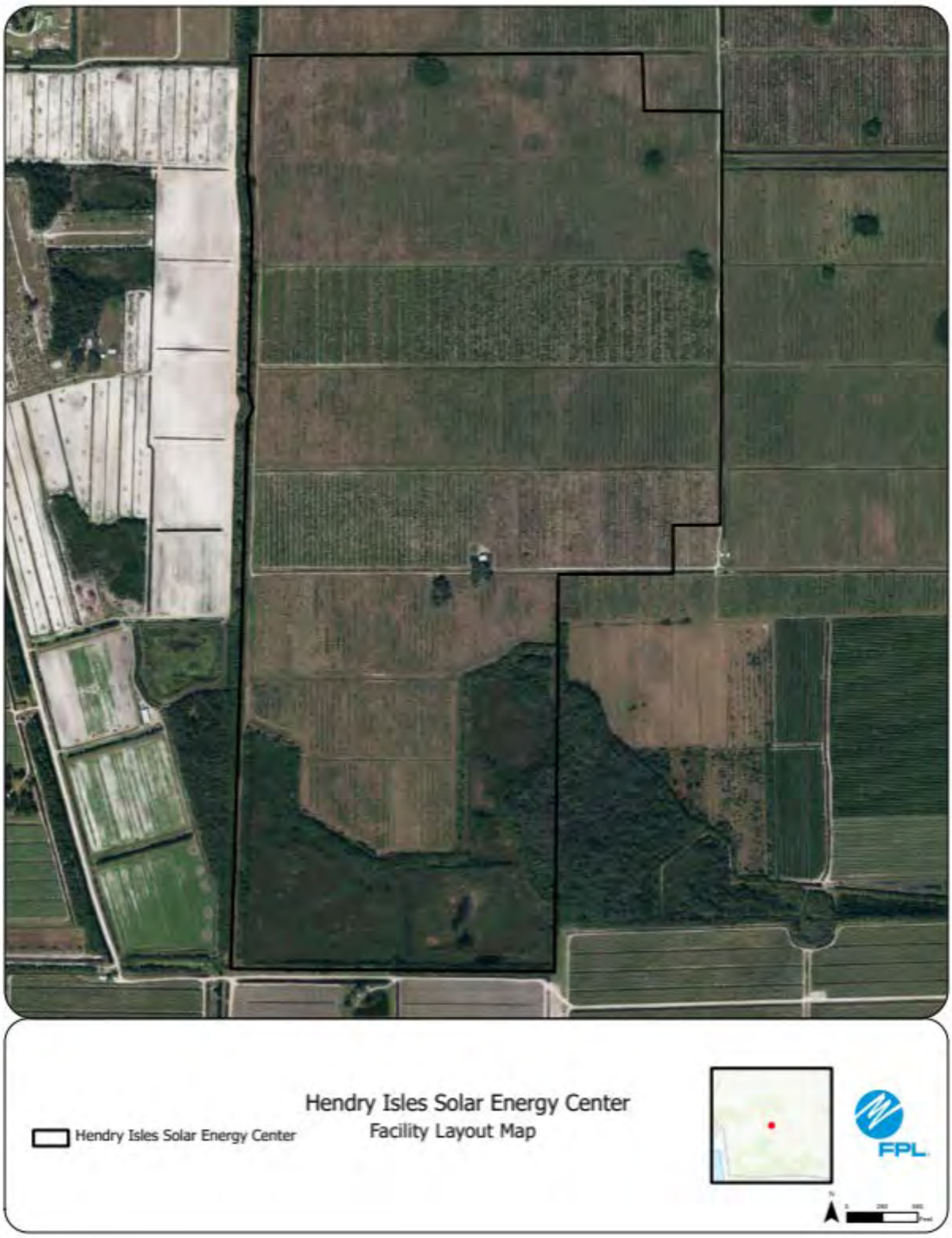
Hendry Isles Solar Energy Center
Hendry Isles Solar Energy Center
USGS Topography Map
FPL

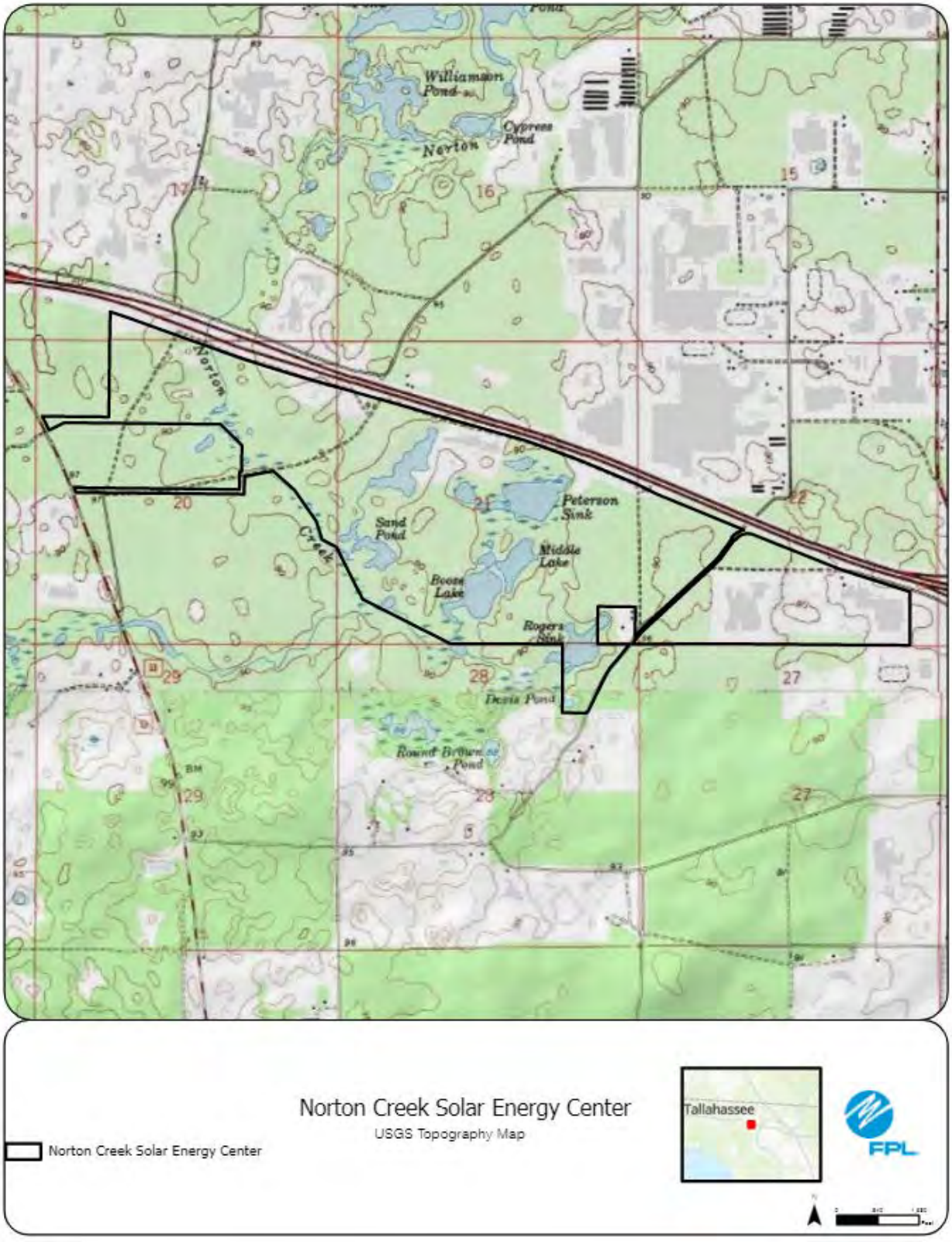

Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Hendry Isles Solar Energy Center
Land Use/Land Cover Map
FPL

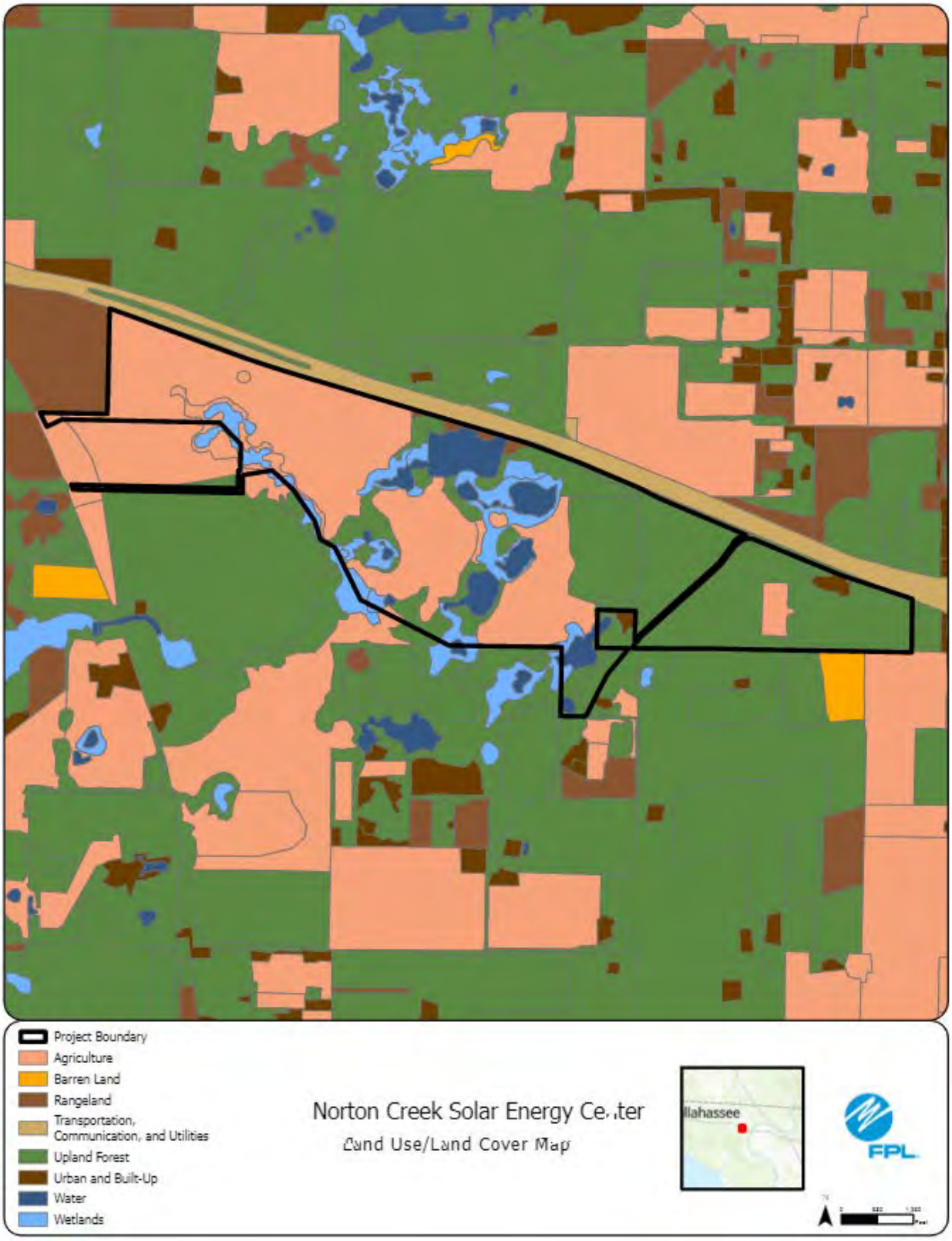

Hendry Isles Solar Energy Center
Facility Layout Map
Hendry Isles Solar Energy Center
FPL

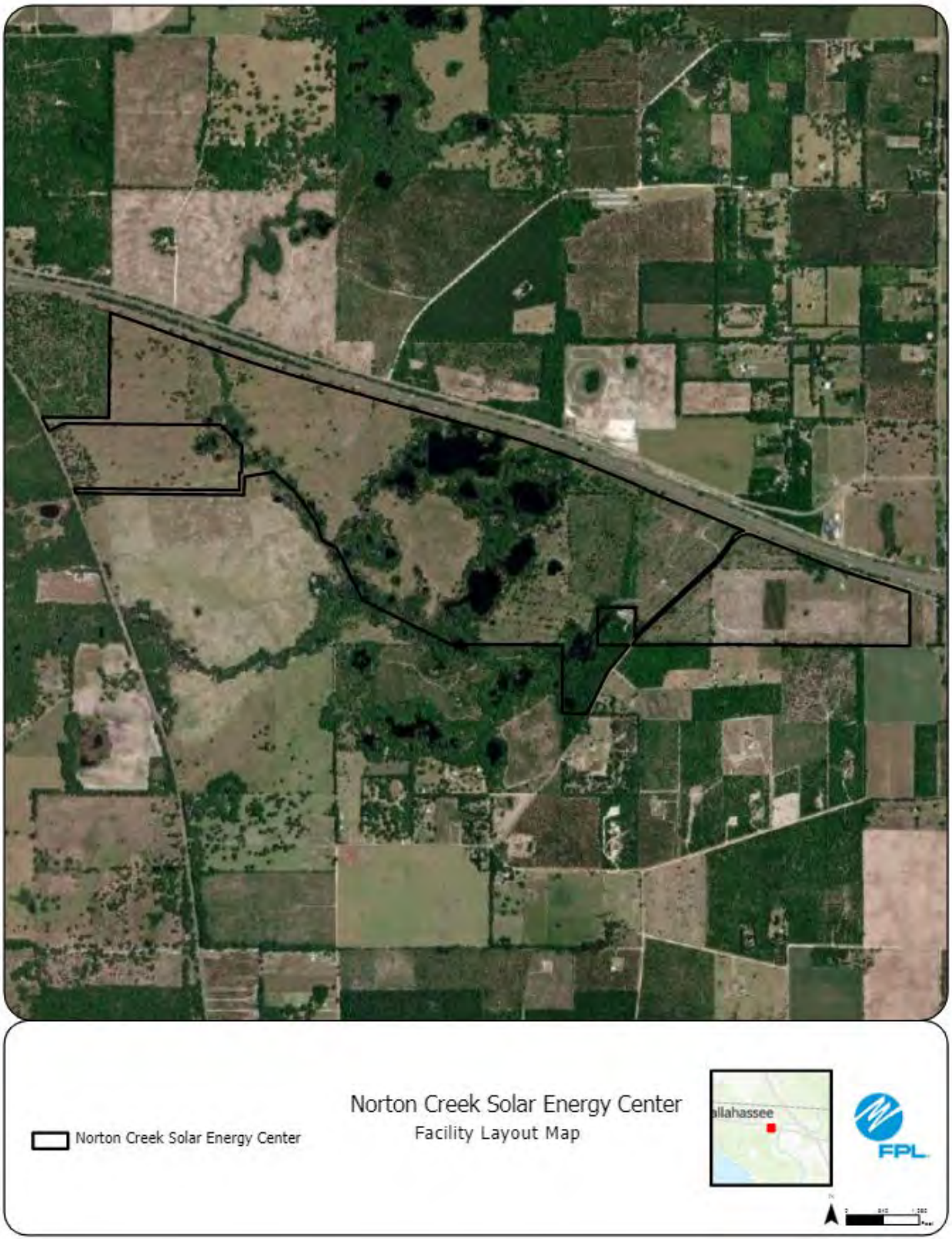
Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #5: Norton Creek Solar Energy Center, Madison County

	Preferred Site	Norton Creek Solar Energy Center
	County	Madison
	Facility Acreage	1245 (817 project acres)
	COD	11/30/2024
	For PV facilities: tracking or fixed	Tracking
	Reference Maps	
a.	USGS Map	See Figures in the following pages
b.	Proposed Facilities Layout	
c.	Map of Site and Adjacent Areas	
d.	Land Use Map of site and Adjacent Areas	
e.	**Existing Land Uses**	
	Site	Cattle Pasture and Silviculture
	Adjacent Areas	Agricultural lands/ Interstate I-10 and low density residential
f.	**General Environment Features On and In the Site Vicinity**	
1.	Natural Environment	Site is open pastures that is used for Cattle and Silviculture. Forested wetlands with other surface waters associated with Norton Creek.
2.	Listed Species	Bald eagle nest on-site, gopher tortoise
3.	Natural Resources of Regional Significance Status	Norton Creek runs through this property which includes Booze Lake, Middle Lake and Peterson Sink.
4.	Other Significant Features	Karst features exist on this site.
g.	Design Features and Mitigation Options	The design includes an approximately 74.5 MW solar tracking panel PV facility, on-site transmission substation, and site stormwater system. Mitigation for unavoidable impacts, if required, may occur through off-site mitigation.
h.	Local Government Future Land Use Designations	Solar facilities are not permitted in the Agricultural Zone at this time. Permitting requires amendment to county comprehensive plan and Conditional Use Permit issuance.
i.	Site Selection Criteria Factors	The site selection criteria included system load, transmission interconnection, economics, and environmental compatibility (e.g., wetlands, wildlife, threatened and endangered species, etc.).
j.	Water Resources	Existing onsite water resources may be used to meet water requirements if permit is pulled. Otherwise, water will need to be trucked from off-site.
k.	Geological Features of Site and Adjacent Areas	See Figure in the following pages. Site is located in the Panhandle region.
l.	Project Water Quantities for Various Uses	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable: Minimal, existing permitted supply Panel Cleaning: Minimal and only in absence of sufficient rainfall.
m.	Water Supply Sources by Type	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable and Panel Cleaning: Delivered to Site by Truck or via existing permitted supply.
n.	Water Conservation Strategies Under Consideration	Solar (PV) does not require a permanent water source. Additional water conservation strategies include selection and planting of low-to-no irrigation grass or groundcover.
o.	Water Discharges and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
p.	Fuel Delivery, Storage, Waste Disposal, and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
q.	Air Emissions and Control Systems	Fuel - PV Solar energy generation does not use any type of combustion fuel, therefore there will be no air emissions or need for Control Systems. Combustion Control - Not Applicable Combustor Design - Not Applicable
r.	Noise Emissions and Control Systems	PV Solar energy generation does not emit noise therefore there will be no need for noise control systems.
s	Status of Applications	FDEP ERP Issued: 10/19/2023 FDEP 404 GP Issued: 10/19/2023 FWC GT Relocation Permit Issued: 9/13/2023


Norton Creek Solar Energy Center
USGS Topography Map
Norton Creek Solar Energy Center
Tallahassee
FPL

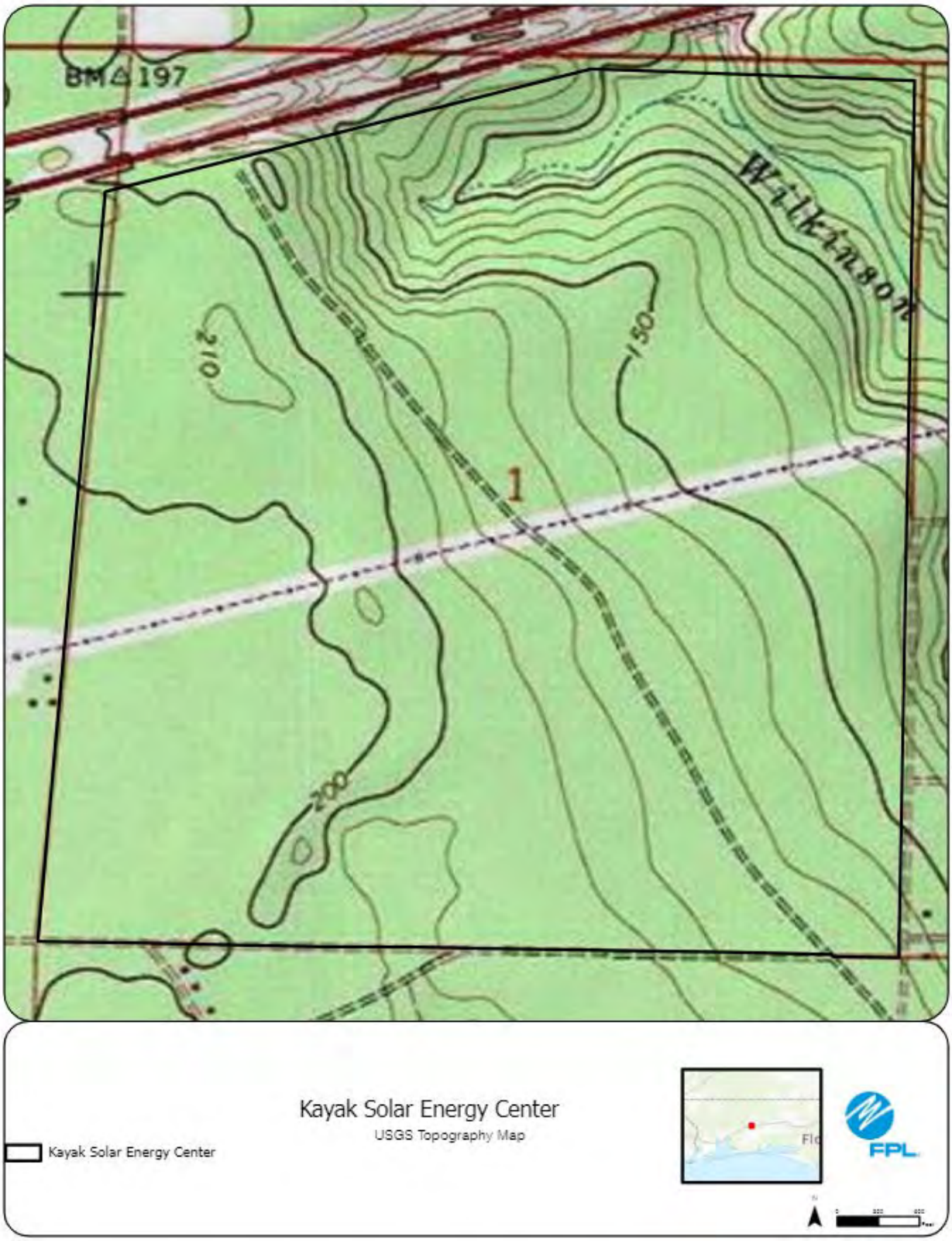

Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Norton Creek Solar Energy Ce.ter
Land Use/Land Cover Map
lahassee
FPL


Norton Creek Solar Energy Center
Norton Creek Solar Energy Center
Facility Layout Map
llahassee
FPL

Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #6: Kayak Solar Energy Center, Okaloosa County

	Preferred Site	Kayak Solar Energy Center
	County	Okaloosa
	Facility Acreage	634 (470 project acres)
	COD	11/30/2024
	For PV facilities: tracking or fixed	Tracking
	Reference Maps	
a.	USGS Map	See Figures in the following pages
b.	Proposed Facilities Layout	
c.	Map of Site and Adjacent Areas	
d.	Land Use Map of site and Adjacent Areas	
e.	**Existing Land Uses**	
	Site	Coniferous plantation
	Adjacent Areas	Pine
f.	**General Environment Features On and In the Site Vicinity**	
1.	Natural Environment	Site is primarily coniferous plantation with some wetlands in the NE of property. Site is under construction.
2.	Listed Species	Gopher tortoise
3.	Natural Resources of Regional Significance Status	Site located within Turkey Gobbler Creek-Yellow River / Metts Creek Choctawhatchee watershed. Yellow River Water Management area abuts SE 1/3 of property. Two state parks (Bone Creek and Northview) located to NW and SW of property, respectively.
4.	Other Significant Features	Electrical transmission line runs E-W through the site.
g.	Design Features and Mitigation Options	The design includes an approximately 74.5 MW solar tracking panel PV facility, on-site transmission substation, and site stormwater system. Mitigation for unavoidable impacts, if required, may occur through off-site mitigation.
h.	Local Government Future Land Use Designations	Solar facilities are not permitted in the Agricultural Zone at this time. Permitting requires amendment to county comprehensive plan and Conditional Use Permit issuance.
i.	Site Selection Criteria Factors	The site selection criteria included system load, transmission interconnection, economics, and environmental compatibility (e.g., wetlands, wildlife, threatened and endangered species, etc.).
j.	Water Resources	Existing on-site water resources may be used to meet water requirements if a permit is pulled or if the facility has an existing CUP/WUP or meets WMD permit-by-rule criteria. Otherwise, water will need to be trucked in from off-site.
k.	Geological Features of Site and Adjacent Areas	See Figure in the following pages. Site is located in the Panhandle region.
l.	Project Water Quantities for Various Uses	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable: Minimal, existing permitted supply Panel Cleaning: Minimal and only in absence of sufficient rainfall.
m.	Water Supply Sources by Type	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable and Panel Cleaning: Delivered to Site by Truck or via existing permitted supply.
n.	Water Conservation Strategies Under Consideration	Solar (PV) does not require a permanent water source. Additional water conservation strategies include selection and planting of low-to-no irrigation grass or qroundcover.
o.	Water Discharges and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
p.	Fuel Delivery, Storage, Waste Disposal, and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
q.	Air Emissions and Control Systems	Fuel - PV Solar energy generation does not use any type of combustion fuel, therefore there will be no air emissions or need for Control Systems. Combustion Control - Not Applicable Combustor Design - Not Applicable
r.	Noise Emissions and Control Systems	PV Solar energy generation does not emit noise therefore there will be no need for noise control systems.
s	Status of Applications	FDEP ERP Issued: 6/27/23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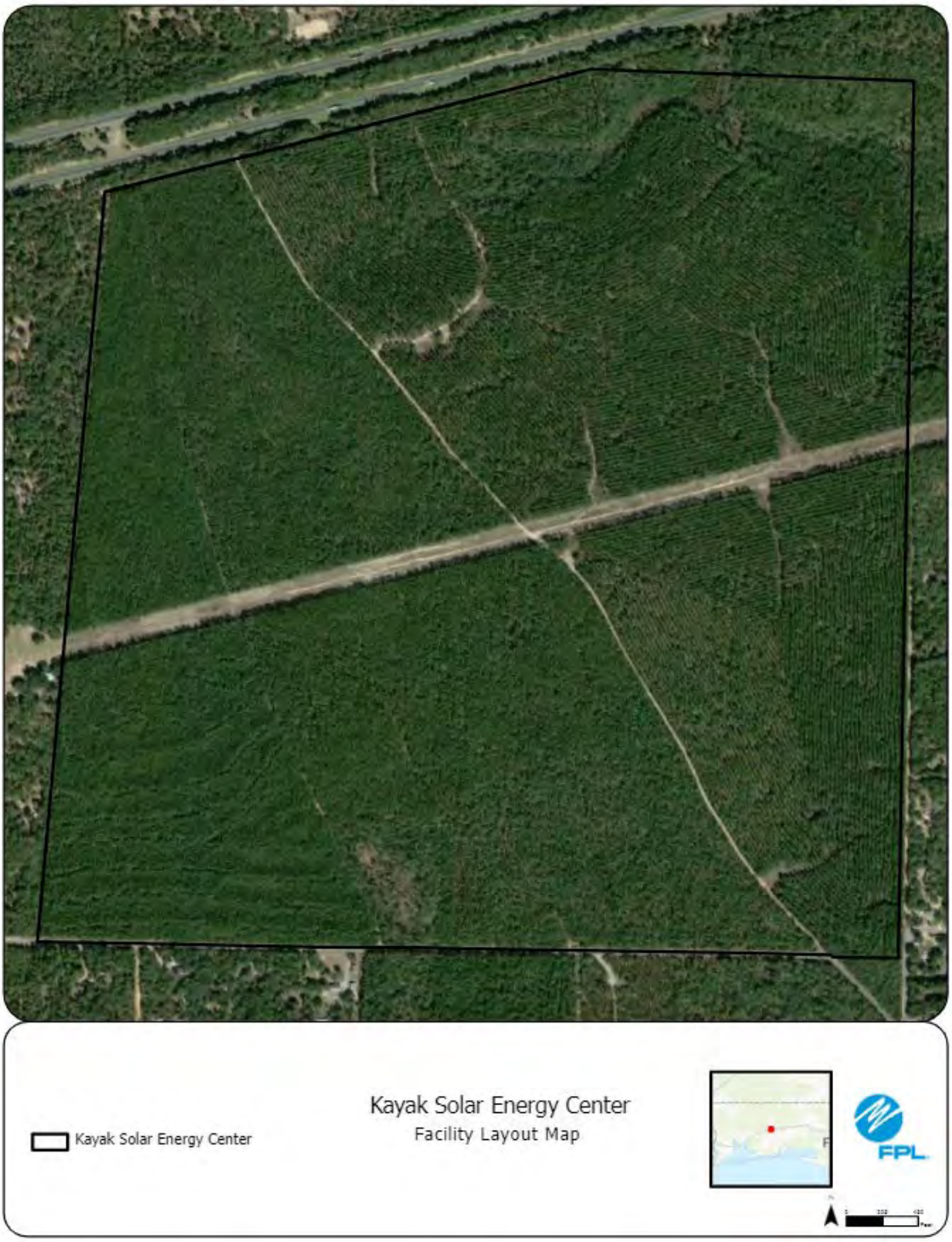
Kayak Solar Energy Center
Kayak Solar Energy Center
USGS Topography Map
FPL

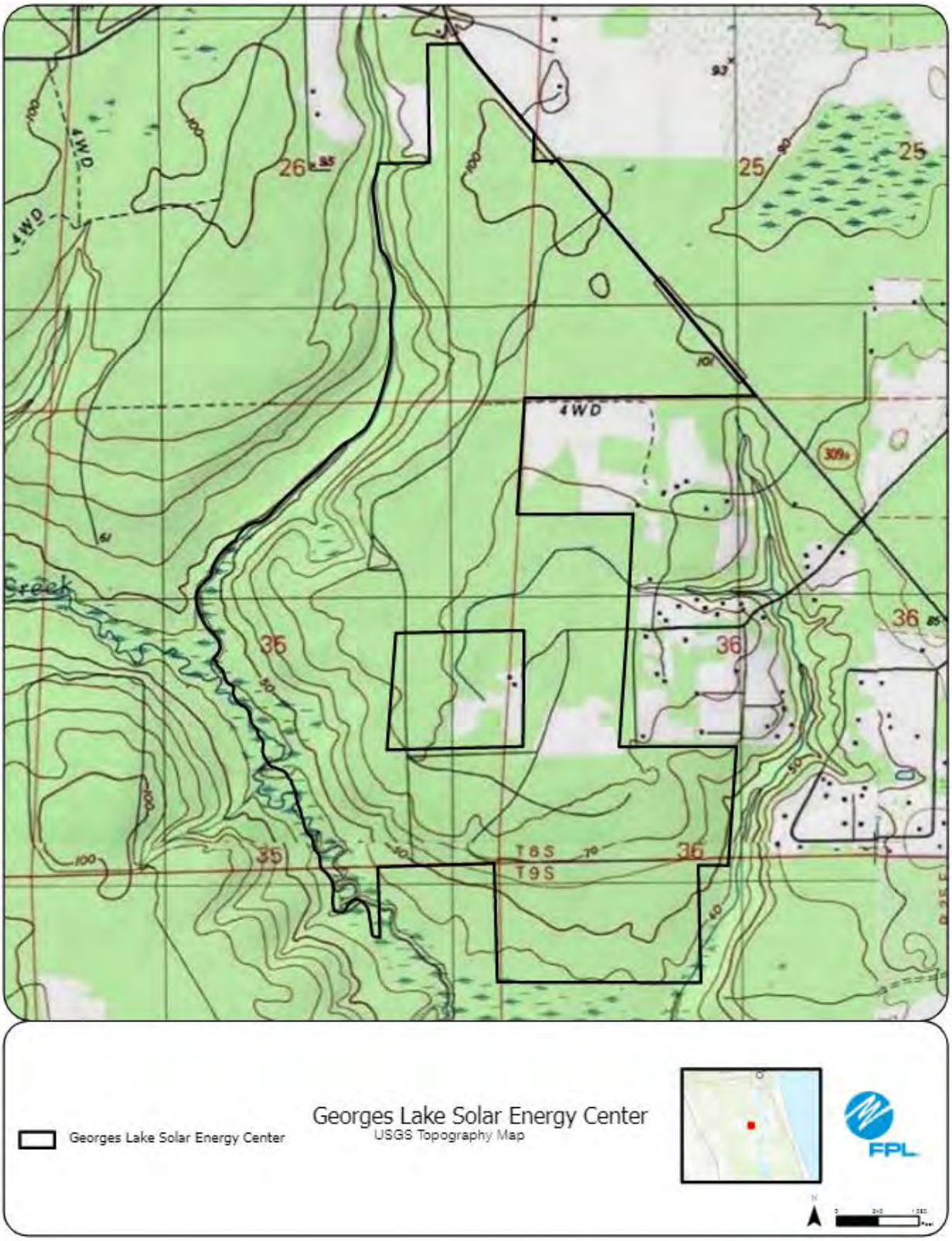

Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Kayak Solar Energy Center
Land Use/Land Cover Map
FPL


Kayak Solar Energy Center
Kayak Solar Energy Center
Facility Layout Map
FPL

Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #7: Georges Lake Solar Energy Center, Putnam County

	Preferred Site	Georges Lake Solar Energy Center
	County	Putnam
	Facility Acreage	743 (404 project acres)
	COD	11/30/2024
	For PV facilities: tracking or fixed	Tracking
	Reference Maps	
a.	USGS Map	See Figures in the following pages
b.	Proposed Facilities Layout	
c.	Map of Site and Adjacent Areas	
d.	Land Use Map of site and Adjacent Areas	
e.	**Existing Land Uses**	
	Site	Primarily pine plantation and wetlands.
	Adjacent Areas	Pine plantation
f.	**General Environment Features On and In the Site Vicinity**	
1.	Natural Environment	Site is primarily pine plantation and wetlands.
2.	Listed Species	Gopher tortoise, southeastern American kestrel
3.	Natural Resources of Regional Significance Status	Etoniah Creek State Forest located to the W of property.
4.	Other Significant Features	FPL is not aware of any other significant features of the site.
g.	Design Features and Mitigation Options	The design includes an approximately 74.5 MW solar tracking panel PV facility, on-site transmission substation, and site stormwater system. Mitigation for unavoidable impacts, if required, may occur through off-site mitigation.
h.	Local Government Future Land Use Designations	Solar facilities are not permitted in the Agricultural Zone at this time. Permitting requires amendment to county comprehensive plan and Conditional Use Permit issuance.
i.	Site Selection Criteria Factors	The site selection criteria included system load, transmission interconnection, economics, and environmental compatibility (e.g., wetlands, wildlife, threatened and endangered species, etc.).
j.	Water Resources	Existing onsite water resources may be used to meet water requirements if permit is pulled. Otherwise, water will need to be trucked from off-site.
k.	Geological Features of Site and Adjacent Areas	See Figure in the following pages. Site is located in the Panhandle region.
l.	Project Water Quantities for Various Uses	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable: Minimal, existing permitted supply Panel Cleaning: Minimal and only in absence of sufficient rainfall.
m.	Water Supply Sources by Type	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable and Panel Cleaning: Delivered to Site by Truck or via existing permitted supply.
n.	Water Conservation Strategies Under Consideration	Solar (PV) does not require a permanent water source. Additional water conservation strategies include selection and planting of low-to-no irrigation grass or groundcover.
o.	Water Discharges and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
p.	Fuel Delivery, Storage, Waste Disposal, and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
q.	Air Emissions and Control Systems	Fuel - PV Solar energy generation does not use any type of combustion fuel, therefore there will be no air emissions or need for Control Systems. Combustion Control - Not Applicable Combustor Design - Not Applicable
r.	Noise Emissions and Control Systems	PV Solar energy generation does not emit noise therefore there will be no need for noise control systems.
s	Status of Applications	FDEP ERP Issued: 5/19/23


Georges Lake Solar Energy Center
Georges Lake Solar Energy Center
USGS Topography Map
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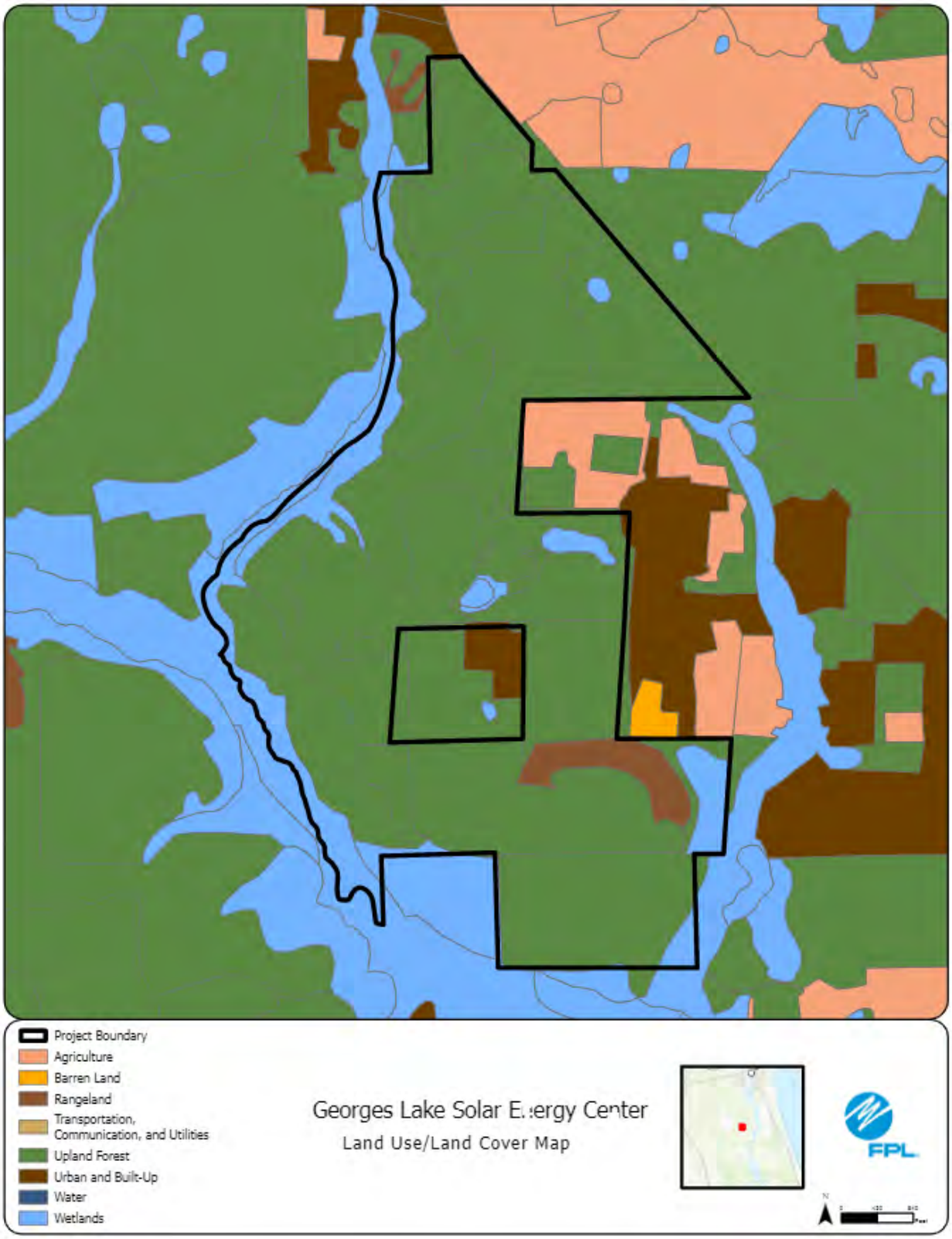
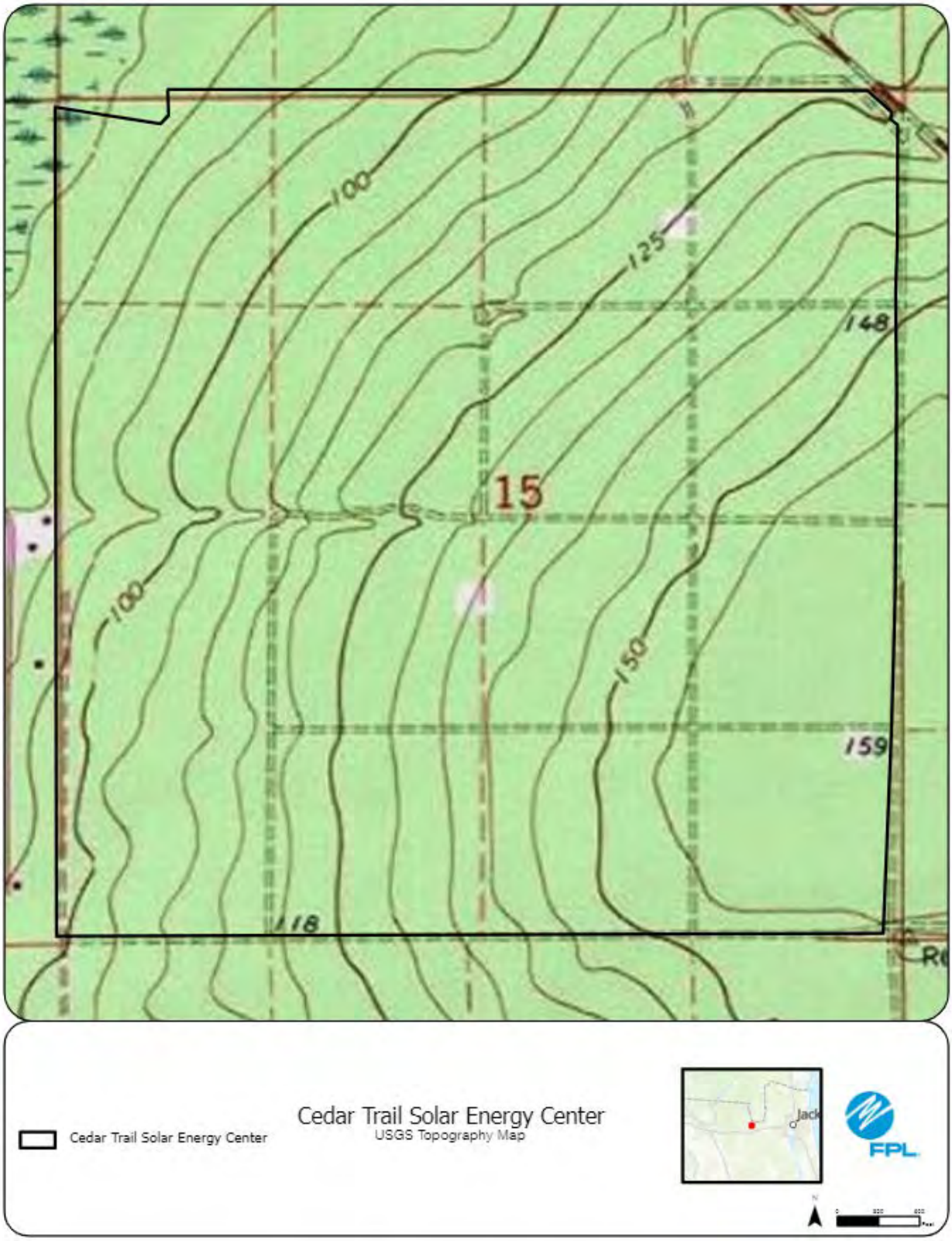

Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Georges Lake Solar Energy Center
Land Use/Land Cover Map
FPL


Georges Lake Solar Energy Center
Georges Lake Solar Energy Center
Facility Layout Map
FPL

Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #8: Cedar Trail Solar Energy Center, Baker County

	Preferred Site	Cedar Trail Solar Energy Center
	County	Baker
	Facility Acreage	2430 (639 project acres)
	COD	11/30/2024
	For PV facilities: tracking or fixed	Tracking
	Reference Maps	
a.	USGS Map	See Figures in the following pages
b.	Proposed Facilities Layout	
c.	Map of Site and Adjacent Areas	
d.	Land Use Map of site and Adjacent Areas	
e.	**Existing Land Uses**	
	Site	Silvicultural and agricultural operation utilized for deer hunting
	Adjacent Areas	Silviculture and residential
f.	**General Environment Features On and In the Site Vicinity**	
1.	Natural Environment	Site is primarily silviculture and agriculture land. Currently under construction.
2.	Listed Species	Gopher tortoise
3.	Natural Resources of Regional Significance Status	No natural resources of regional significance status at or adjacent to the site.
4.	Other Significant Features	FPL is not aware of any other significant features of the site.
g.	Design Features and Mitigation Options	The design includes an approximately 74.5 MW solar tracking panel PV facility, on-site transmission substation, and site stormwater system. Mitigation for unavoidable impacts, if required, may occur through off-site mitigation.
h.	Local Government Future Land Use Designations	Solar facilities are not permitted in the Agricultural Zone at this time. Permitting requires amendment to county comprehensive plan and Conditional Use Permit issuance.
i.	Site Selection Criteria Factors	The site selection criteria included system load, transmission interconnection, economics, and environmental compatibility (e.g., wetlands, wildlife, threatened and endangered species, etc.).
j.	Water Resources	Existing on-site water resources may be used to meet water requirements if a permit is pulled or if the facility has an existing CUP/WUP or meets WMD permit-by-rule criteria. Otherwise, water will need to be trucked in from off-site.
k.	Geological Features of Site and Adjacent Areas	See Figure in the following pages. Site is located in the Panhandle region.
l.	Project Water Quantities for Various Uses	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable: Minimal, existing permitted supply Panel Cleaning: Minimal and only in absence of sufficient rainfall.
m.	Water Supply Sources by Type	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable and Panel Cleaning: Delivered to Site by Truck or via existing permitted supply.
n.	Water Conservation Strategies Under Consideration	Solar (PV) does not require a permanent water source. Additional water conservation strategies include selection and planting of low-to-no irrigation grass or groundcover.
o.	Water Discharges and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
p.	Fuel Delivery, Storage, Waste Disposal, and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
q.	Air Emissions and Control Systems	Fuel - PV Solar energy generation does not use any type of combustion fuel, therefore there will be no air emissions or need for Control Systems. Combustion Control - Not Applicable Combustor Design - Not Applicable
r.	Noise Emissions and Control Systems	PV Solar energy generation does not emit noise therefore there will be no need for noise control systems.
s	Status of Applications	FDEP ERP Issued: 8/8/23 FDEP 404: No permit required (NPR)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Cedar Trail Solar Energy Center
Cedar Trail Solar Energy Center
USGS Topography Map
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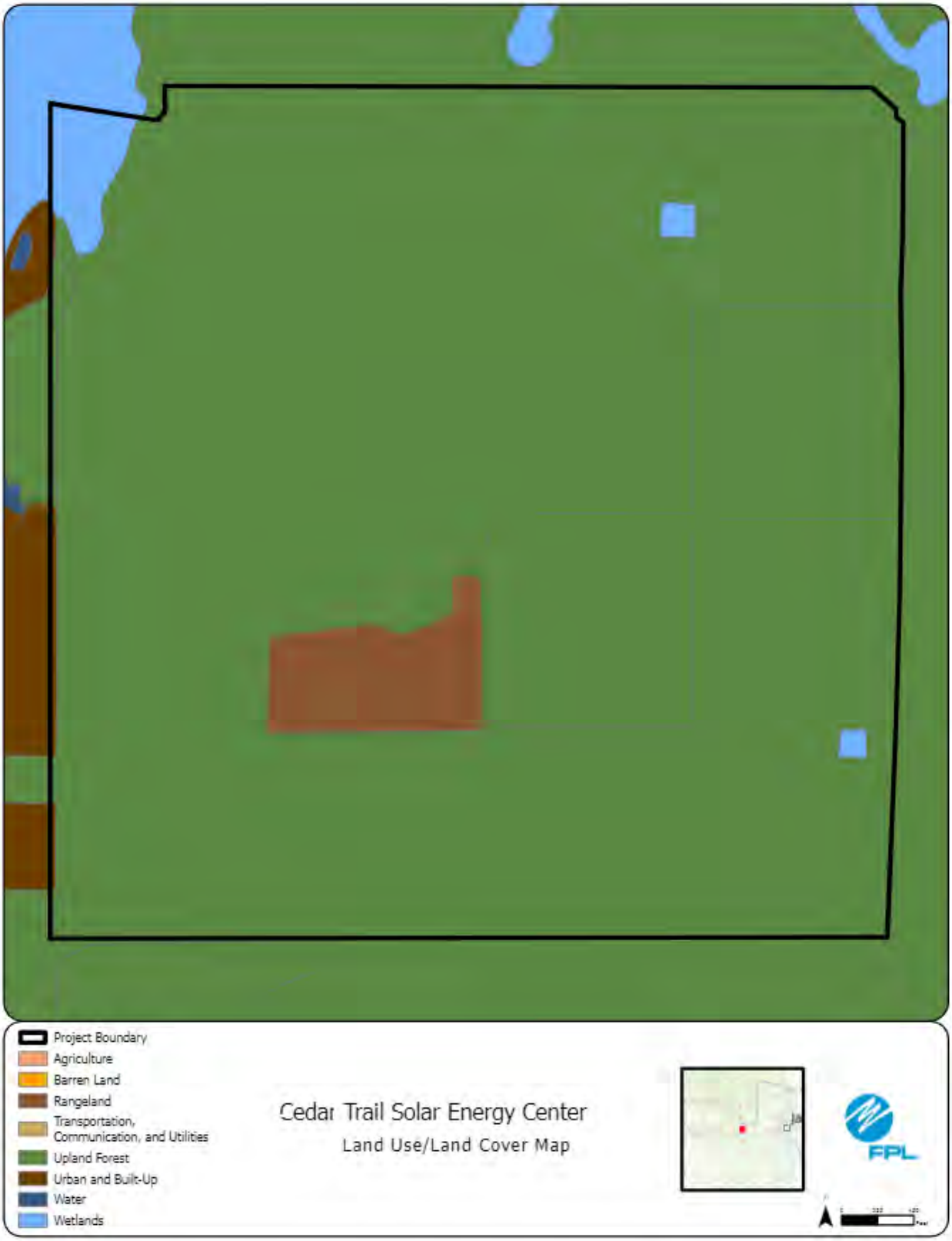
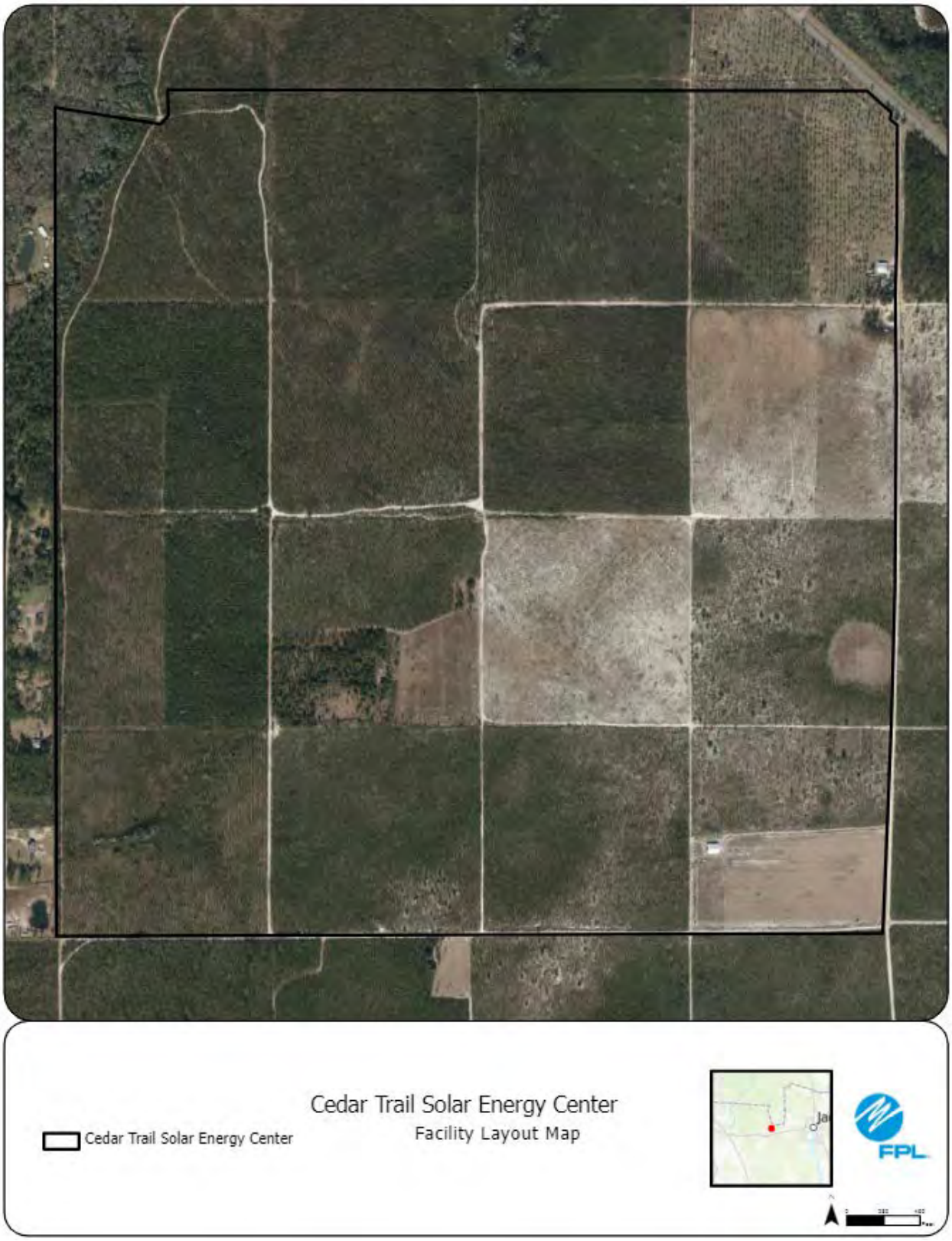

Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Cedar Trail Solar Energy Center
Land Use/Land Cover Map
FPL


Cedar Trail Solar Energy Center
Cedar Trail Solar Energy Center
Facility Layout Map
FPL

Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #9: Holopaw Solar Energy Center, Palm Beach County

	Preferred Site	Holopaw Solar Energy Center
	County	Palm Beach
	Facility Acreage	802 (761 project acres)
	COD	1/31/2025
	For PV facilities: tracking or fixed	Tracking
	Reference Maps	
a.	USGS Map	See Figures in the following pages
b.	Proposed Facilities Layout	
c.	Map of Site and Adjacent Areas	
d.	Land Use Map of site and Adjacent Areas	
e.	**Existing Land Uses**	
	Site	Pastureland and sugar cane
	Adjacent Areas	Agricultural and Residential, the subject property is also located adjacent to J.W. Corbett Wildlife Management Area and the J. W. Corbett to Loxahatchee NWR Connector.
f.	**General Environment Features On and In the Site Vicinity**	
1.	Natural Environment	Site contains pasture land for cattle with several unimproved roads and sugar cane.
2.	Listed Species	No impacts anticipated.
3.	Natural Resources of Regional Significance Status	J.W. Corbett Wildlife Management Area
4.	Other Significant Features	FPL is not aware of any other significant features of the site.
g.	Design Features and Mitigation Options	The design includes an approximately 74.5 MW solar tracking panel PV facility, on-site transmission substation, and site stormwater system. Mitigation for unavoidable impacts, if required, may occur through off-site mitigation.
h.	Local Government Future Land Use Designations	Solar facilities are not permitted in the Agricultural Zone at this time. Permitting requires amendment to county comprehensive plan and Conditional Use Permit issuance.
i.	Site Selection Criteria Factors	The site selection criteria included system load, transmission interconnection, economics, and environmental compatibility (e.g., wetlands, wildlife, threatened and endangered species, etc.).
j.	Water Resources	Existing onsite water resources may be used to meet water requirements if permit is pulled. Otherwise, water will need to be trucked from off-site.
k.	Geological Features of Site and Adjacent Areas	See Figure in the following pages. Site is located in the South region.
l.	Project Water Quantities for Various Uses	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable: Minimal, existing permitted supply Panel Cleaning: Minimal and only in absence of sufficient rainfall.
m.	Water Supply Sources by Type	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable and Panel Cleaning: Delivered to Site by Truck or via existing permitted supply.
n.	Water Conservation Strategies Under Consideration	Solar (PV) does not require a permanent water source. Additional water conservation strategies include selection and planting of low-to-no irrigation grass or groundcover.
o.	Water Discharges and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
p.	Fuel Delivery, Storage, Waste Disposal, and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
q.	Air Emissions and Control Systems	Fuel - PV Solar energy generation does not use any type of combustion fuel, therefore there will be no air emissions or need for Control Systems. Combustion Control - Not Applicable Combustor Design - Not Applicable
r.	Noise Emissions and Control Systems	PV Solar energy generation does not emit noise therefore there will be no need for noise control systems.
s	Status of Applications	FDEP ERP Issued: 4/28/23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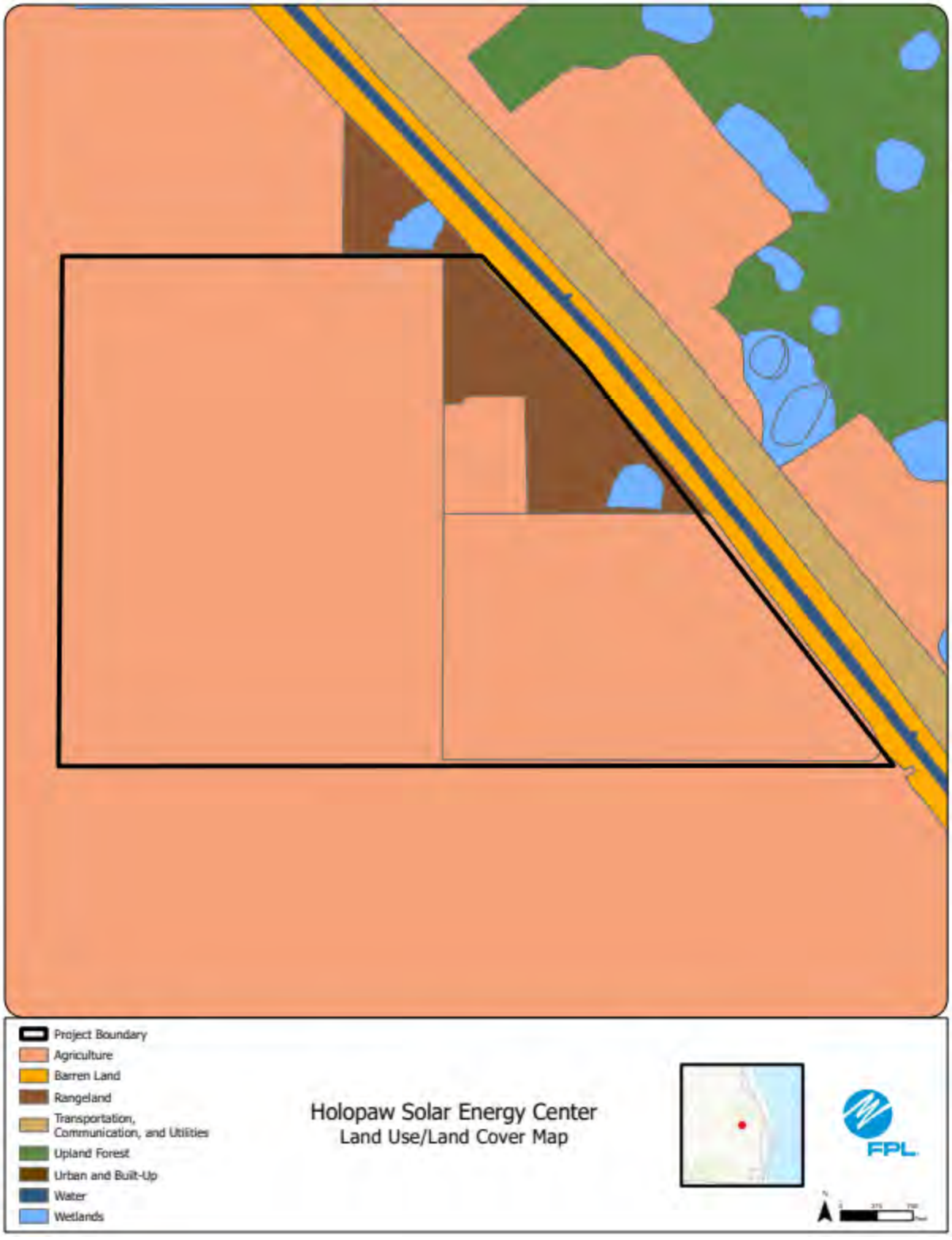
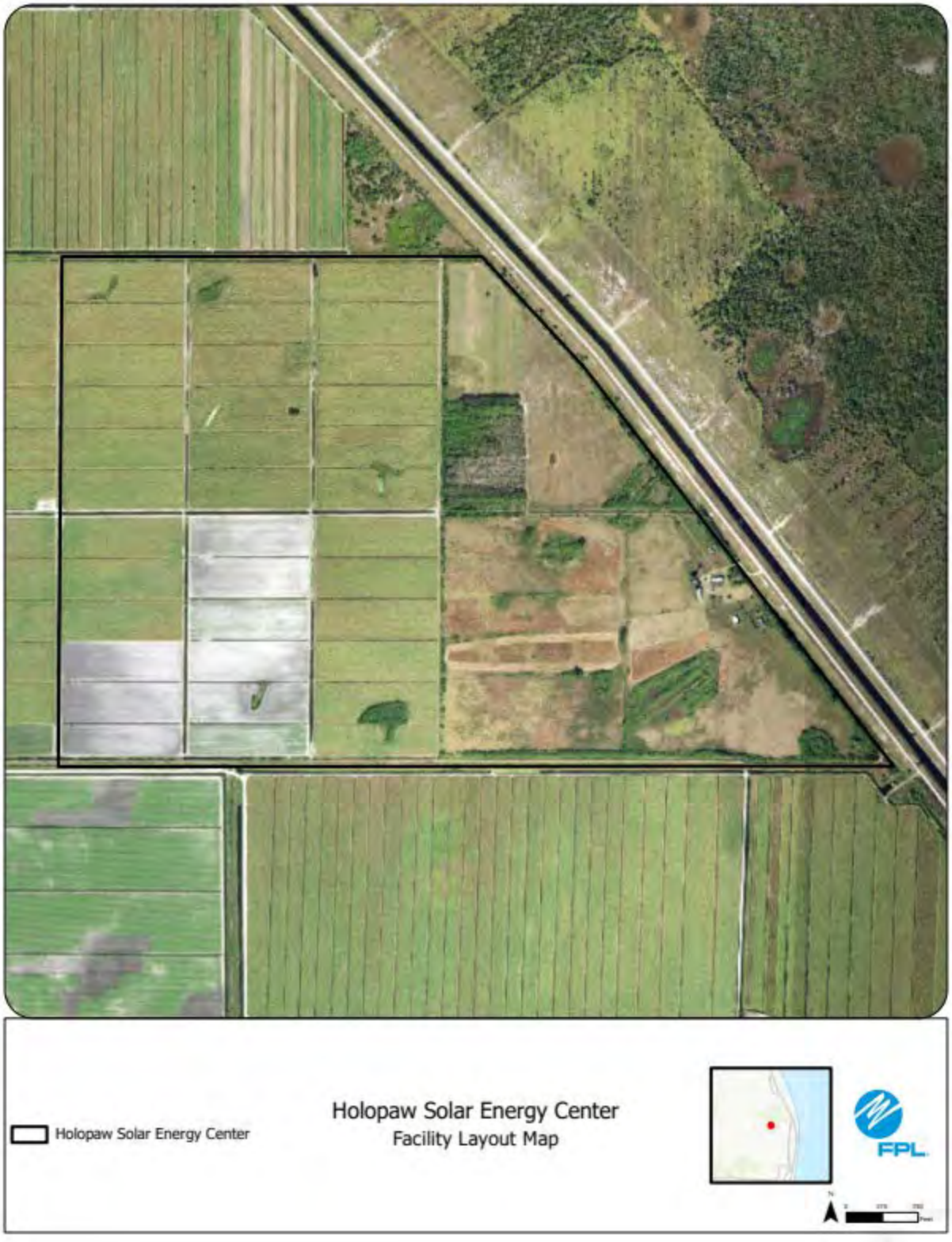
Holopaw Solar Energy Center
Holopaw Solar Energy Center
USGS Topography Map
FPL


Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Holopaw Solar Energy Center
Land Use/Land Cover Map
FPL


Holopaw Solar Energy Center
Holopaw Solar Energy Center
Facility Layout Map
FPL

Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #10: Speckled Perch Solar Energy Center, Okeechobee County

	Preferred Site	Speckled Perch Solar Energy Center
	County	Okeechobee
	Facility Acreage	1526 (664 project acres)
	COD	1/31/2025
	For PV facilities: tracking or fixed	Tracking
	Reference Maps	
a.	USGS Map	See Figures in the following pages
b.	Proposed Facilities Layout	
c.	Map of Site and Adjacent Areas	
d.	Land Use Map of site and Adjacent Areas	
e.	**Existing Land Uses**	
	Site	Site is mostly pasture, primarily improved pastures, with some wetlands.
	Adjacent Areas	Residential to N/NW, pasture and other ag to N/NE, wetlands to S
f.	**General Environment Features On and In the Site Vicinity**	
1.	Natural Environment	Site is primarily improved pastures.
2.	Listed Species	Gopher tortoise, Audubon's crested caracara, Florida burrowing owl
3.	Natural Resources of Regional Significance Status	Taylor Creek nearby property.
4.	Other Significant Features	Approximately 1 acre of cemetery present on site. Evergreen Cemetery located just outside NW corner of property.
g.	Design Features and Mitigation Options	The design includes an approximately 74.5 MW solar tracking panel PV facility, on-site transmission substation, and site stormwater system. Mitigation for unavoidable impacts, if required, may occur through off-site mitigation.
h.	Local Government Future Land Use Designations	Solar facilities are not permitted in the Agricultural Zone at this time. Permitting requires amendment to county comprehensive plan and Conditional Use Permit issuance.
90	Site Selection Criteria Factors	The site selection criteria included system load, transmission interconnection, economics, and environmental compatibility (e.g., wetlands, wildlife, threatened and endangered species, etc.).
j.	Water Resources	Existing onsite water resources may be used to meet water requirements if permit is pulled. Otherwise, water will need to be trucked from off-site.
k.	Geological Features of Site and Adjacent Areas	See Figure in the following pages. Site is located in the South region.
l.	Project Water Quantities for Various Uses	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable: Minimal, existing permitted supply Panel Cleaning: Minimal and only in absence of sufficient rainfall.
m.	Water Supply Sources by Type	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable and Panel Cleaning: Delivered to Site by Truck or via existing permitted supply.
n.	Water Conservation Strategies Under Consideration	Solar (PV) does not require a permanent water source. Additional water conservation strategies include selection and planting of low-to-no irrigation grass or groundcover.
o.	Water Discharges and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
p.	Fuel Delivery, Storage, Waste Disposal, and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
q.	Air Emissions and Control Systems	Fuel - PV Solar energy generation does not use any type of combustion fuel, therefore there will be no air emissions or need for Control Systems. Combustion Control - Not Applicable Combustor Design - Not Applicable
r.	Noise Emissions and Control Systems	PV Solar energy generation does not emit noise therefore there will be no need for noise control systems.
s	Status of Applications	FDEP ERP Issued: 3/17/2023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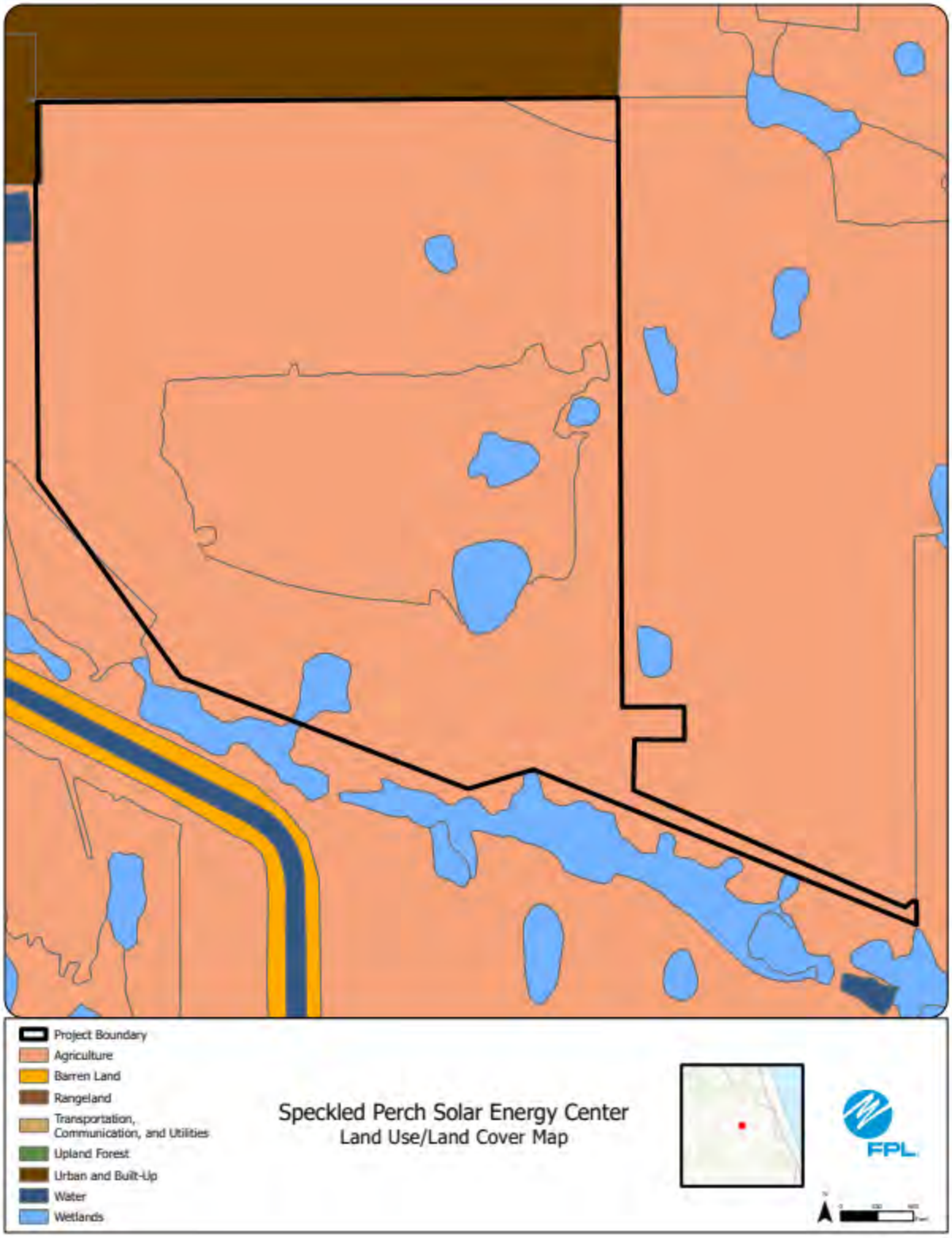
Speckled Perch Solar Energy Center
Speckled Perch Solar Energy Center
USGS Topography Map
FPL


Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Speckled Perch Solar Energy Center
Land Use/Land Cover Map
FPL


Speckled Perch Solar Energy Center
Speckled Perch Solar Energy Center
Facility Layout Map
FPL

Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #11: Big Water Solar Energy Center, Okeechobee County

	Preferred Site	Big Water Solar Energy Center
	County	Okeechobee
	Facility Acreage	701
	COD	1/31/2025
	For PV facilities: tracking or fixed	Tracking
	Reference Maps	
a.	USGS Map	See Figures in the following pages
b.	Proposed Facilities Layout	
c.	Map of Site and Adjacent Areas	
d.	Land Use Map of site and Adjacent Areas	
e.	**Existing Land Uses**	
	Site	Previously improved pastures, remainder wetlands and surface waters. Currently under construction.
	Adjacent Areas	Pasture
f.	**General Environment Features On and In the Site Vicinity**	
1.	Natural Environment	Site is majority improved pastures with some wetlands and surface waters.
2.	Listed Species	Audubon's crested caracara
3.	Natural Resources of Regional Significance Status	No natural resources of regional significance status at or adjacent to the site.
4.	Other Significant Features	FPL is not aware of any other significant features of the site.
g.	Design Features and Mitigation Options	The design includes an approximately 74.5 MW solar tracking panel PV facility, on-site transmission substation, and site stormwater system. Mitigation for unavoidable impacts, if required, may occur through off-site mitigation.
h.	Local Government Future Land Use Designations	Solar facilities are not permitted in the Agricultural Zone at this time. Permitting requires amendment to county comprehensive plan and Conditional Use Permit issuance.
90	Site Selection Criteria Factors	The site selection criteria included system load, transmission interconnection, economics, and environmental compatibility (e.g., wetlands, wildlife, threatened and endangered species, etc.).
j.	Water Resources	Existing onsite water resources may be used to meet water requirements if permit is pulled. Otherwise, water will need to be trucked from off-site.
k.	Geological Features of Site and Adjacent Areas	See Figure in the following pages. Site is located in the South region.
l.	Project Water Quantities for Various Uses	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable: Minimal, existing permitted supply Panel Cleaning: Minimal and only in absence of sufficient rainfall.
m.	Water Supply Sources by Type	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable and Panel Cleaning: Delivered to Site by Truck or via existing permitted supply.
n.	Water Conservation Strategies Under Consideration	Solar (PV) does not require a permanent water source. Additional water conservation strategies include selection and planting of low-to-no irrigation grass or groundcover.
o.	Water Discharges and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
p.	Fuel Delivery, Storage, Waste Disposal, and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
q.	Air Emissions and Control Systems	Fuel - PV Solar energy generation does not use any type of combustion fuel, therefore there will be no air emissions or need for Control Systems. Combustion Control - Not Applicable Combustor Design - Not Applicable
r.	Noise Emissions and Control Systems	PV Solar energy generation does not emit noise therefore there will be no need for noise control systems.
s	Status of Applications	FDEP ERP Issued: 9/15/2023 FDEP 404 GP Issued: 9/15/2023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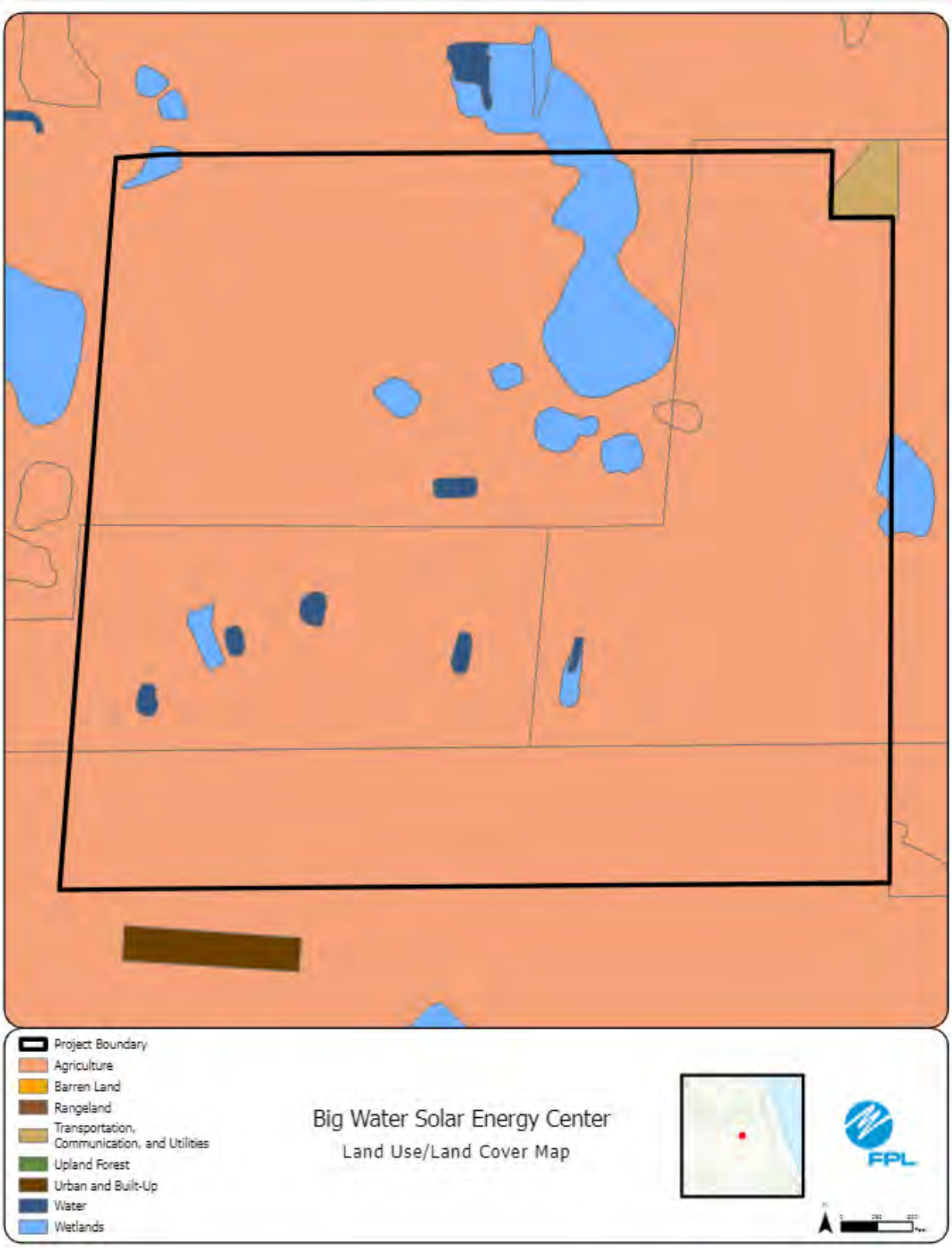
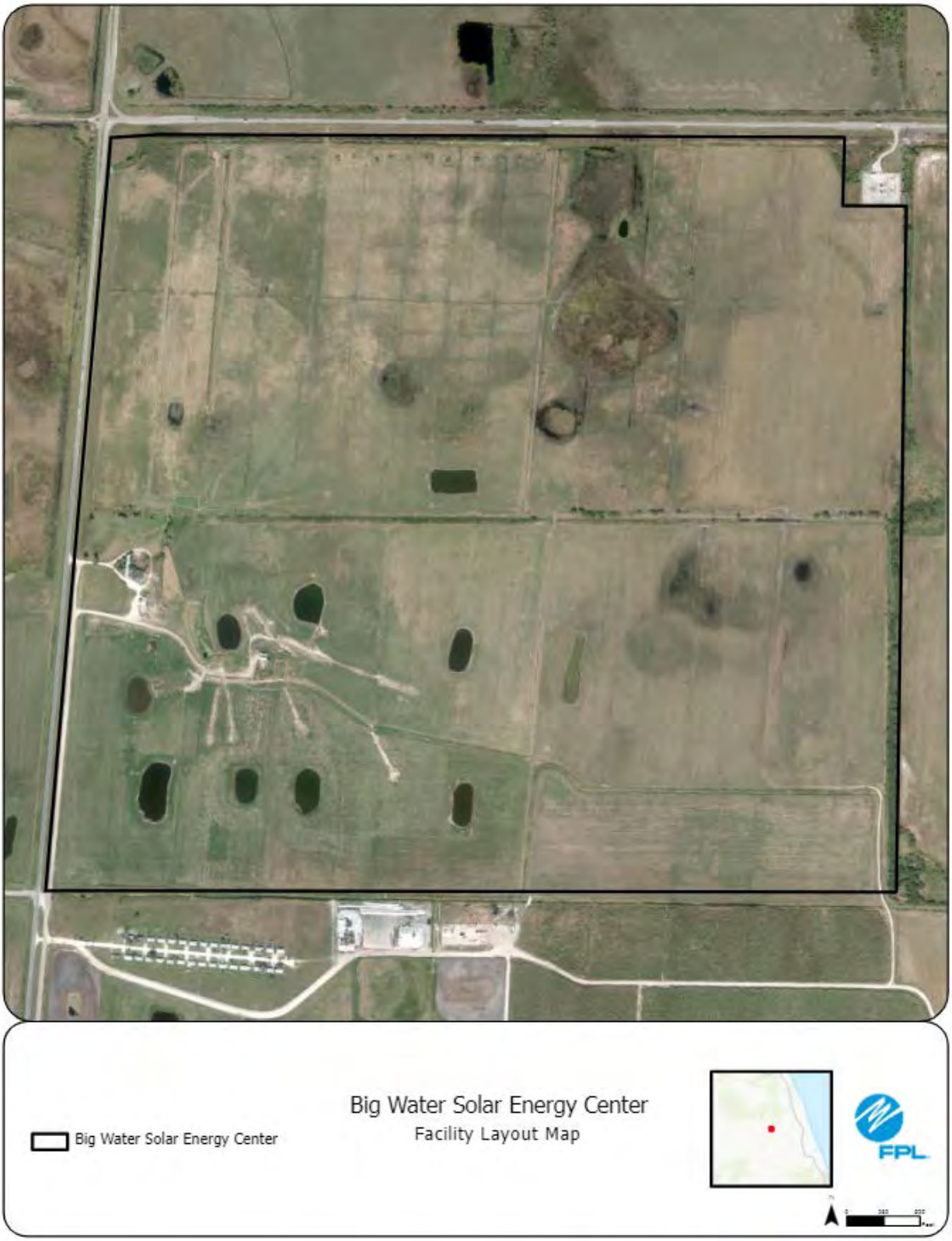
Big Water Solar Energy Center
Big Water Solar Energy Center
USGS Topography Map
FPL


Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Big Water Solar Energy Center
Land Use/Land Cover Map
FPL


Big Water Solar Energy Center
Facility Layout Map
Big Water Solar Energy Center
FPL

Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #12: Fawn Solar Energy Center, Martin County

	Preferred Site	Fawn Solar Energy Center
	County	Martin
	Facility Acreage	1261 (664 project acres)
	COD	1/31/2025
	For PV facilities: tracking or fixed	Tracking
	Reference Maps	
a.	USGS Map	See Figures in the following pages
b.	Proposed Facilities Layout	
c.	Map of Site and Adjacent Areas	
d.	Land Use Map of site and Adjacent Areas	
e.	**Existing Land Uses**	
	Site	Previously row crop. Currently under construction.
	Adjacent Areas	Row crop, dispersed water management, low residential
f.	**General Environment Features On and In the Site Vicinity**	
1.	Natural Environment	Row crop operations with ditches and furrows
2.	Listed Species	Audubon's crested caracara, southeastern American kestrel, wood stork, eastern indigo snake
3.	Natural Resources of Regional Significance Status	St. Lucie River canal is adjacent to property
4.	Other Significant Features	FPL is not aware of any other significant features of the site.
g.	Design Features and Mitigation Options	The design includes an approximately 74.5 MW solar tracking panel PV facility, on-site transmission substation, and site stormwater system. Mitigation for unavoidable impacts, if required, may occur through off-site mitigation.
h.	Local Government Future Land Use Designations	Solar facilities are not permitted in the Agricultural Zone at this time. Permitting requires amendment to county comprehensive plan and Conditional Use Permit issuance.
i.	Site Selection Criteria Factors	The site selection criteria included system load, transmission interconnection, economics, and environmental compatibility (e.g., wetlands, wildlife, threatened and endangered species, etc.).
j.	Water Resources	Existing onsite water resources may be used to meet water requirements if permit is pulled. Otherwise, water will need to be trucked from off-site.
k.	Geological Features of Site and Adjacent Areas	See Figure in the following pages. Site is located in the South region.
l.	Project Water Quantities for Various Uses	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable: Minimal, existing permitted supply Panel Cleaning: Minimal and only in absence of sufficient rainfall.
m.	Water Supply Sources by Type	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable and Panel Cleaning: Delivered to Site by Truck or via existing permitted supply.
n.	Water Conservation Strategies Under Consideration	Solar (PV) does not require a permanent water source. Additional water conservation strategies include selection and planting of low-to-no irrigation grass or groundcover.
o.	Water Discharges and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
p.	Fuel Delivery, Storage, Waste Disposal, and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
q.	Air Emissions and Control Systems	Fuel - PV Solar energy generation does not use any type of combustion fuel, therefore there will be no air emissions or need for Control Systems. Combustion Control - Not Applicable Combustor Design - Not Applicable
r.	Noise Emissions and Control Systems	PV Solar energy generation does not emit noise therefore there will be no need for noise control systems.
s	Status of Applications	FDEP ERP Issued: 11/16/2023 Individual FDEP 404 Issued: 2/13/2024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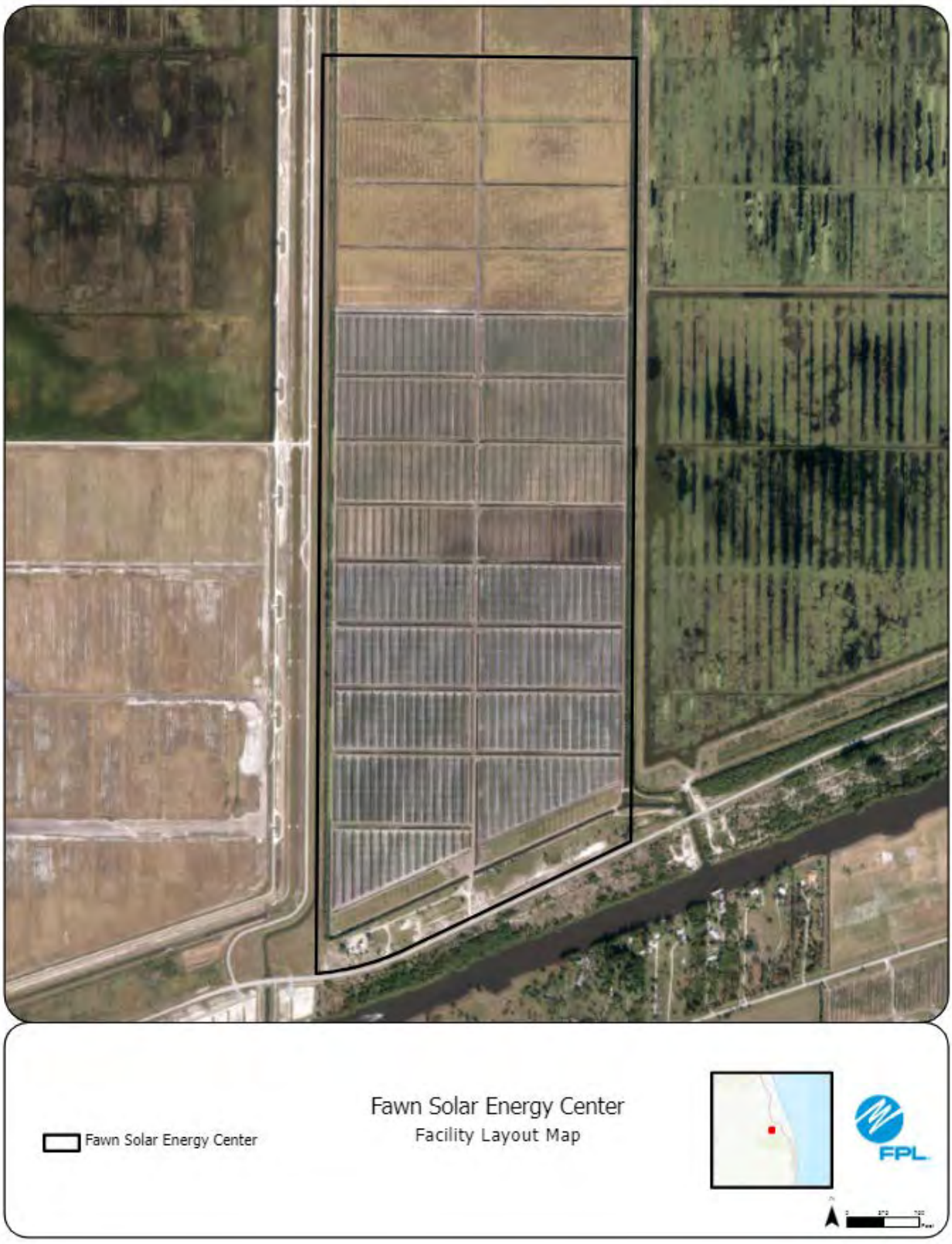
Fawn Solar Energy Center
Fawn Solar Energy Center
USGS Topography Map

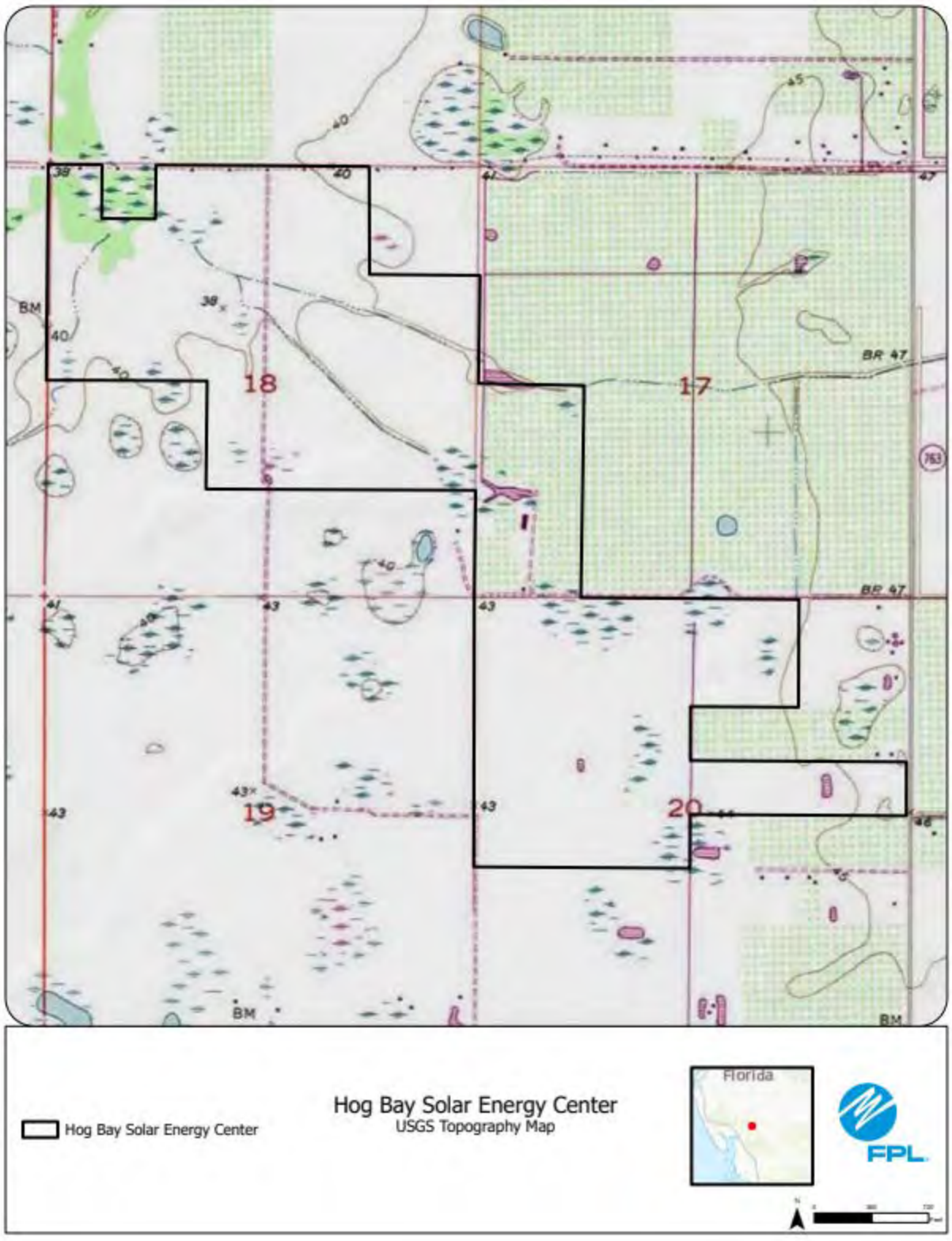

Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Fawn Solar Energy Center
Land Use/Land Cover Map
FPL


Fawn Solar Energy Center
Fawn Solar Energy Center
Facility Layout Map
FPL

Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #13: Hog Bay Solar Energy Center, DeSoto County

	Preferred Site	Hog Bay Solar Energy Center
	County	DeSoto
	Facility Acreage	1387 (710 project acres)
	COD	1/31/2025
	For PV facilities: tracking or fixed	Tracking
	Reference Maps	
a.	USGS Map	See Figures in the following pages
b.	Proposed Facilities Layout	
c.	Map of Site and Adjacent Areas	
d.	Land Use Map of site and Adjacent Areas	
e.	**Existing Land Uses**	
	Site	Fallow citrus
	Adjacent Areas	Agricultural lands/low density residential
f.	**General Environment Features On and In the Site Vicinity**	
1.	Natural Environment	Site is mostly fallow citrus fields with some aboveground impoundments and other surface water features.
2.	Listed Species	Audubon's crested caracara observed during species surveys and have been documented nesting west of this site on adjacent lands; Florida burrowing owl
3.	Natural Resources of Regional Significance Status	Hawthorne Creek towards the west, Hog Bay towards the north and Prairie Creek towards the south.
4.	Other Significant Features	FPL is not aware of any significant features nearby.
g.	Design Features and Mitigation Options	The design includes an approximately 74.5 MW solar tracking panel PV facility, on-site transmission substation, and site stormwater system. Mitigation for unavoidable impacts, if required, may occur through off-site mitigation.
h.	Local Government Future Land Use Designations	Solar facilities are not permitted in the Agricultural Zone at this time. Permitting requires amendment to county comprehensive plan and Conditional Use Permit issuance.
i.	Site Selection Criteria Factors	The site selection criteria included system load, transmission interconnection, economics, and environmental compatibility (e.g., wetlands, wildlife, threatened and endangered species, etc.).
j.	Water Resources	Existing onsite water resources may be used to meet water requirements if permit is pulled. Otherwise, water will need to be trucked from off-site.
k.	Geological Features of Site and Adjacent Areas	See Figure in the following pages. Site is located in the Central Florida region.
l.	Project Water Quantities for Various Uses	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable: Minimal, existing permitted supply Panel Cleaning: Minimal and only in absence of sufficient rainfall.
m.	Water Supply Sources by Type	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable and Panel Cleaning: Delivered to Site by Truck or via existing permitted supply.
n.	Water Conservation Strategies Under Consideration	Solar (PV) does not require a permanent water source. Additional water conservation strategies include selection and planting of low-to-no irrigation grass or groundcover.
o.	Water Discharges and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
p.	Fuel Delivery, Storage, Waste Disposal, and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
q.	Air Emissions and Control Systems	Fuel - PV Solar energy generation does not use any type of combustion fuel, therefore there will be no air emissions or need for Control Systems. Combustion Control - Not Applicable Combustor Design - Not Applicable
r.	Noise Emissions and Control Systems	PV Solar energy generation does not emit noise therefore there will be no need for noise control systems.
s	Status of Applications	FDEP ERP Issued: 11/28/2023 FDEP 404 GP Issued: 11/28/2023 Florida Burrowing Owl ITP: Pending - application submitted on 2/14/2024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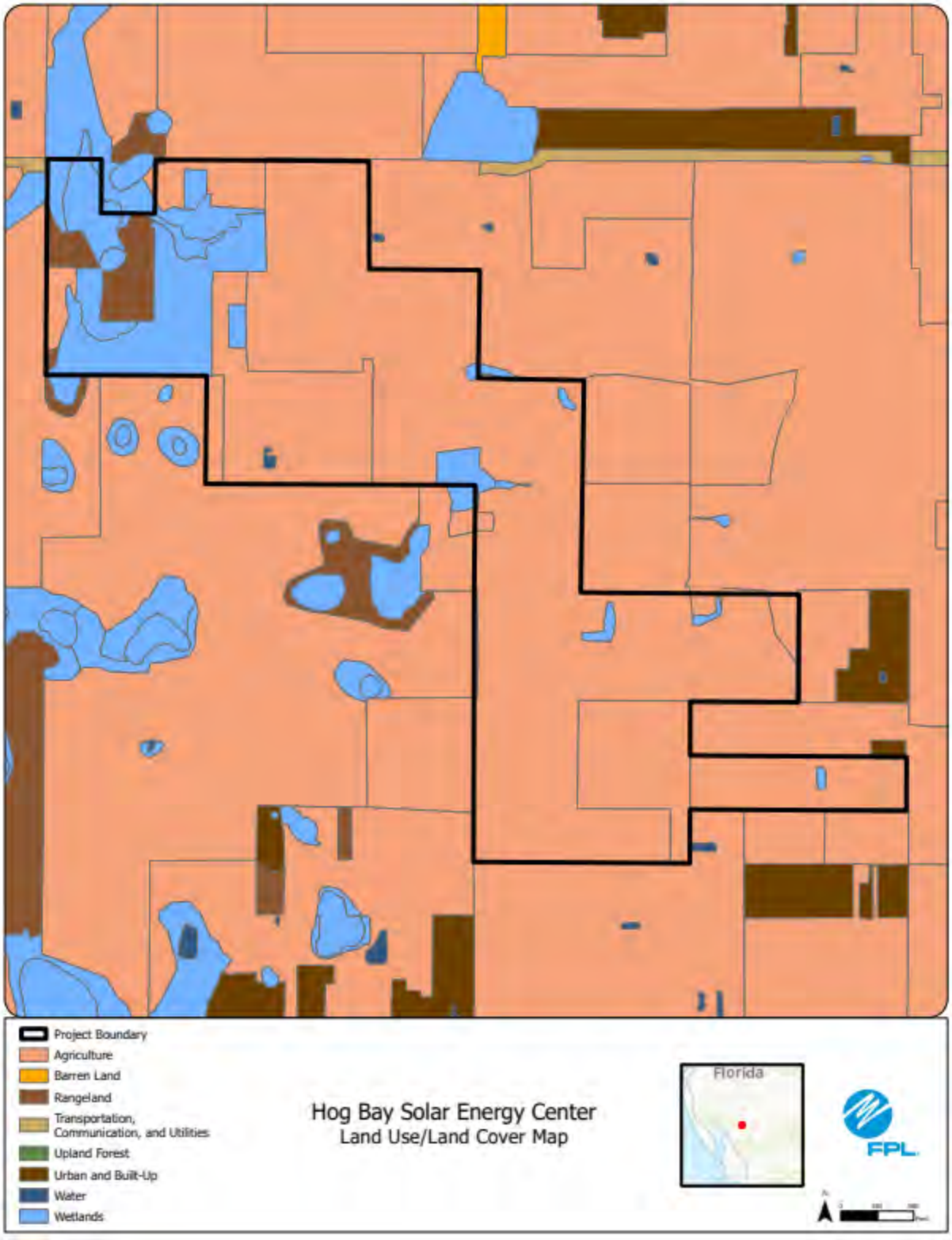
BR 47
Hog Bay Solar Energy Center
Hog Bay Solar Energy Center
USGS Topography Map
Florida
FPL

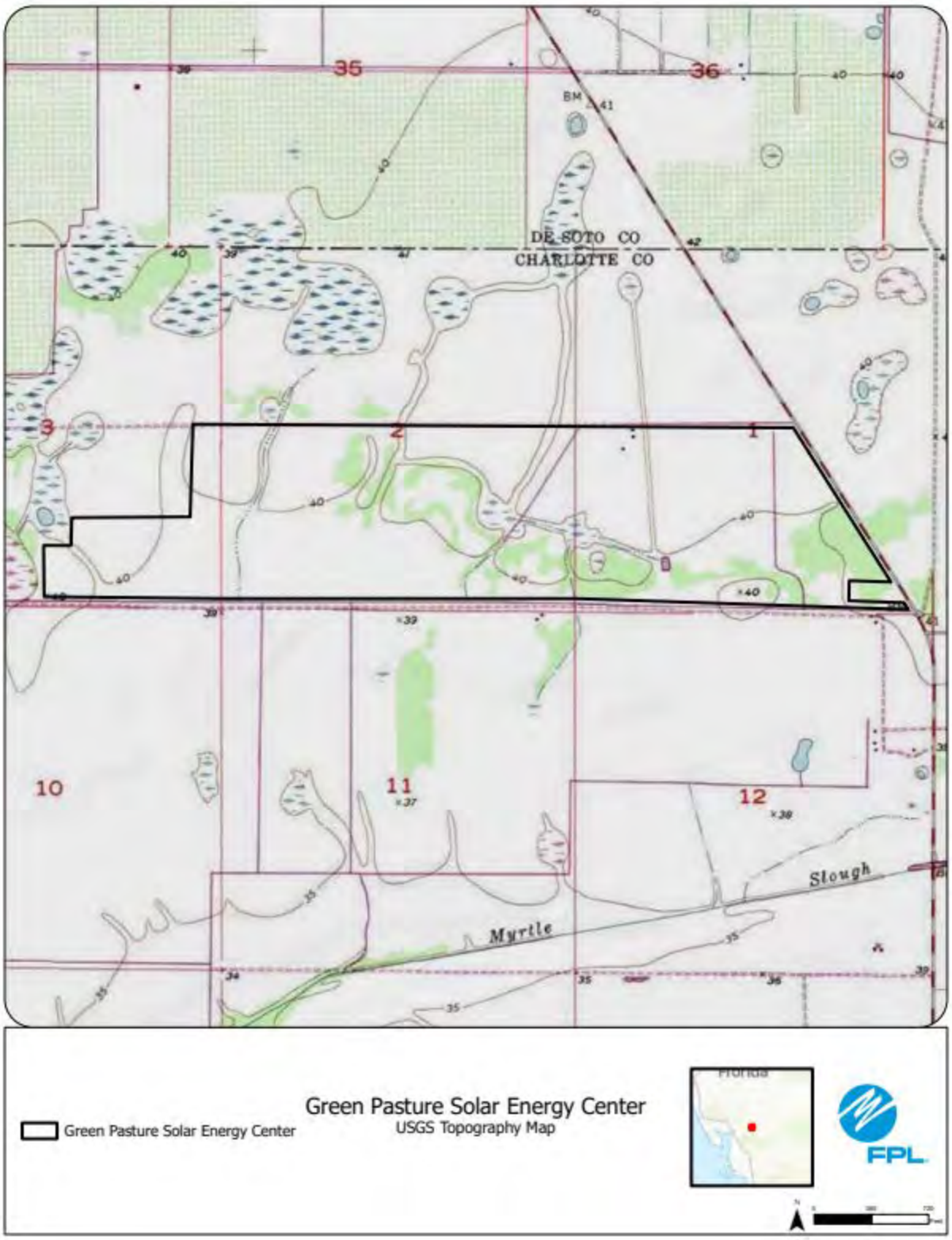

Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Hog Bay Solar Energy Center
Land Use/Land Cover Map
Florida
FPL


Hog Bay Solar Energy Center
Hog Bay Solar Energy Center
Facility Layout Map
Florida
FPL

Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #14: Green Pasture Solar Energy Center, Charlotte County

	Preferred Site	Green Pasture Solar Energy Center
	County	Charlotte
	Facility Acreage	2757 (642 project acres)
	COD	1/31/2025
	For PV facilities: tracking or fixed	Tracking
	Reference Maps	
a.	USGS Map	See Figures in the following pages
b.	Proposed Facilities Layout	
c.	Map of Site and Adjacent Areas	
d.	Land Use Map of site and Adjacent Areas	
e.	**Existing Land Uses**	
	Site	Citrus, pastureland, sod and pine flatwoods. Site is actively in construction.
	Adjacent Areas	Adjacent areas are primarily citrus and other agricultural land
f.	**General Environment Features On and In the Site Vicinity**	
1.	Natural Environment	Citrus, pastureland, sod and pine flatwoods with a few wet prairies and freshwater marshes
2.	Listed Species	Gopher tortoise, southeastern American kestrel, Florida bonnetted bat, Audubon's crested caracara. No impacts to listed species are anticipated.
3.	Natural Resources of Regional Significance Status	No natural resources of regional significance status at or adjacent to the site.
4.	Other Significant Features	FPL is not aware of any other significant features of the site.
g.	Design Features and Mitigation Options	The design includes an approximately 74.5 MW solar tracking panel PV facility, on-site transmission substation, and site stormwater system. Mitigation for unavoidable impacts, if required, may occur through off-site mitigation.
h.	Local Government Future Land Use Designations	Solar facilities are not permitted in the Agricultural Zone at this time. Permitting requires amendment to county comprehensive plan and Conditional Use Permit issuance.
i.	Site Selection Criteria Factors	The site selection criteria included system load, transmission interconnection, economics, and environmental compatibility (e.g., wetlands, wildlife, threatened and endangered species, etc.).
j.	Water Resources	Existing on-site water resources may be used to meet water requirements if a permit is pulled or if the facility has an existing CUP/WUP or meets WMD permit-by-rule criteria. Otherwise, water will need to be trucked in from off-site.
k.	Geological Features of Site and Adjacent Areas	See Figure in the following pages. Site is located in the Central Florida region.
l.	Project Water Quantities for Various Uses	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable: Minimal, existing permitted supply Panel Cleaning: Minimal and only in absence of sufficient rainfall.
m.	Water Supply Sources by Type	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable and Panel Cleaning: Delivered to Site by Truck or via existing permitted supply.
n.	Water Conservation Strategies Under Consideration	Solar (PV) does not require a permanent water source. Additional water conservation strategies include selection and planting of low-to-no irrigation grass or groundcover.
o.	Water Discharges and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
p.	Fuel Delivery, Storage, Waste Disposal, and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
q.	Air Emissions and Control Systems	Fuel - PV Solar energy generation does not use any type of combustion fuel, therefore there will be no air emissions or need for Control Systems. Combustion Control - Not Applicable Combustor Design - Not Applicable
r.	Noise Emissions and Control Systems	PV Solar energy generation does not emit noise therefore there will be no need for noise control systems.
s	Status of Applications	FDEP ERP Issued: 6/30/2023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BM 41
DE SOTO CO
CHARLOTTE CO
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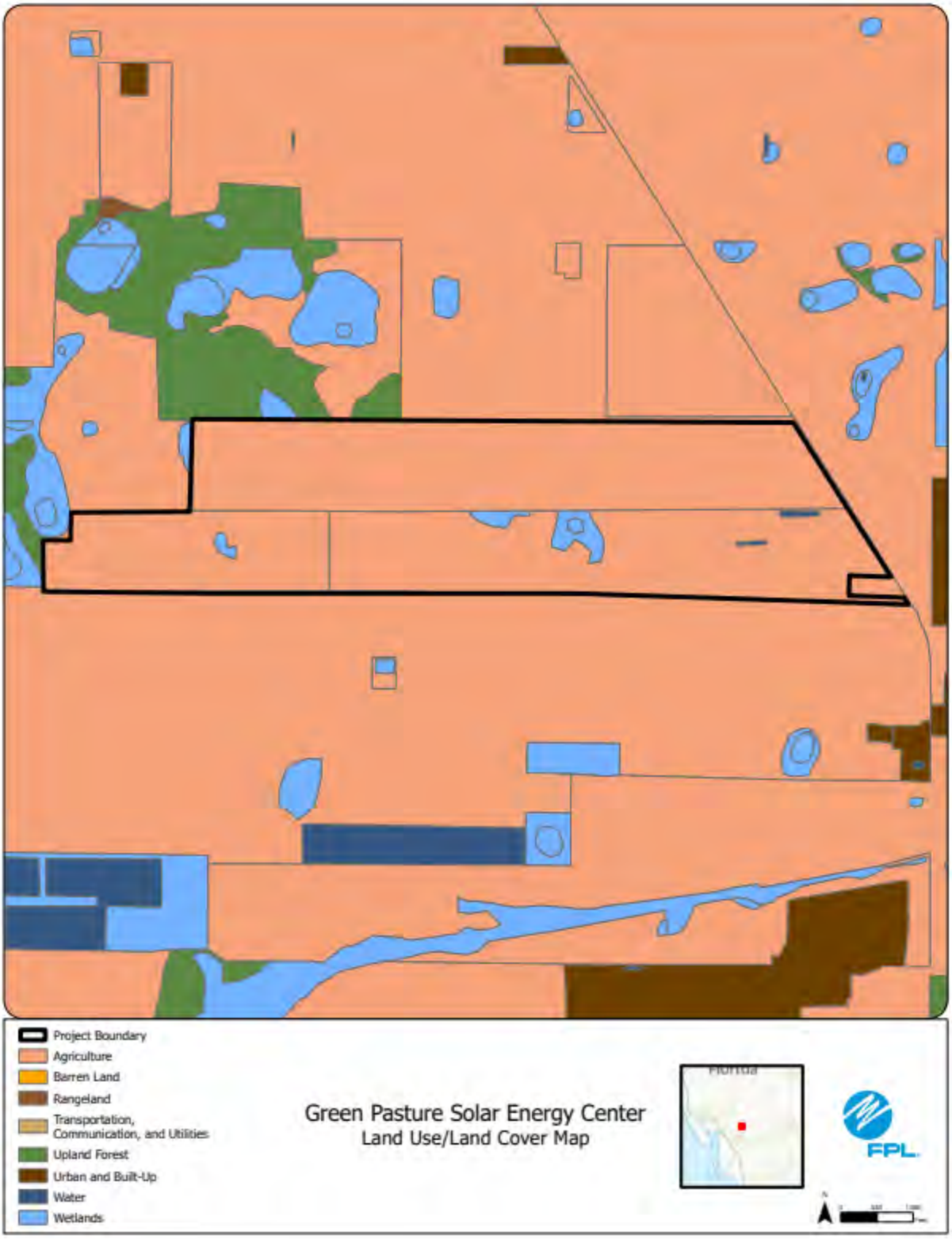
Slough
Myrtle
Green Pasture Solar Energy Center
Green Pasture Solar Energy Center
USGS Topography Map
Florida
FPL

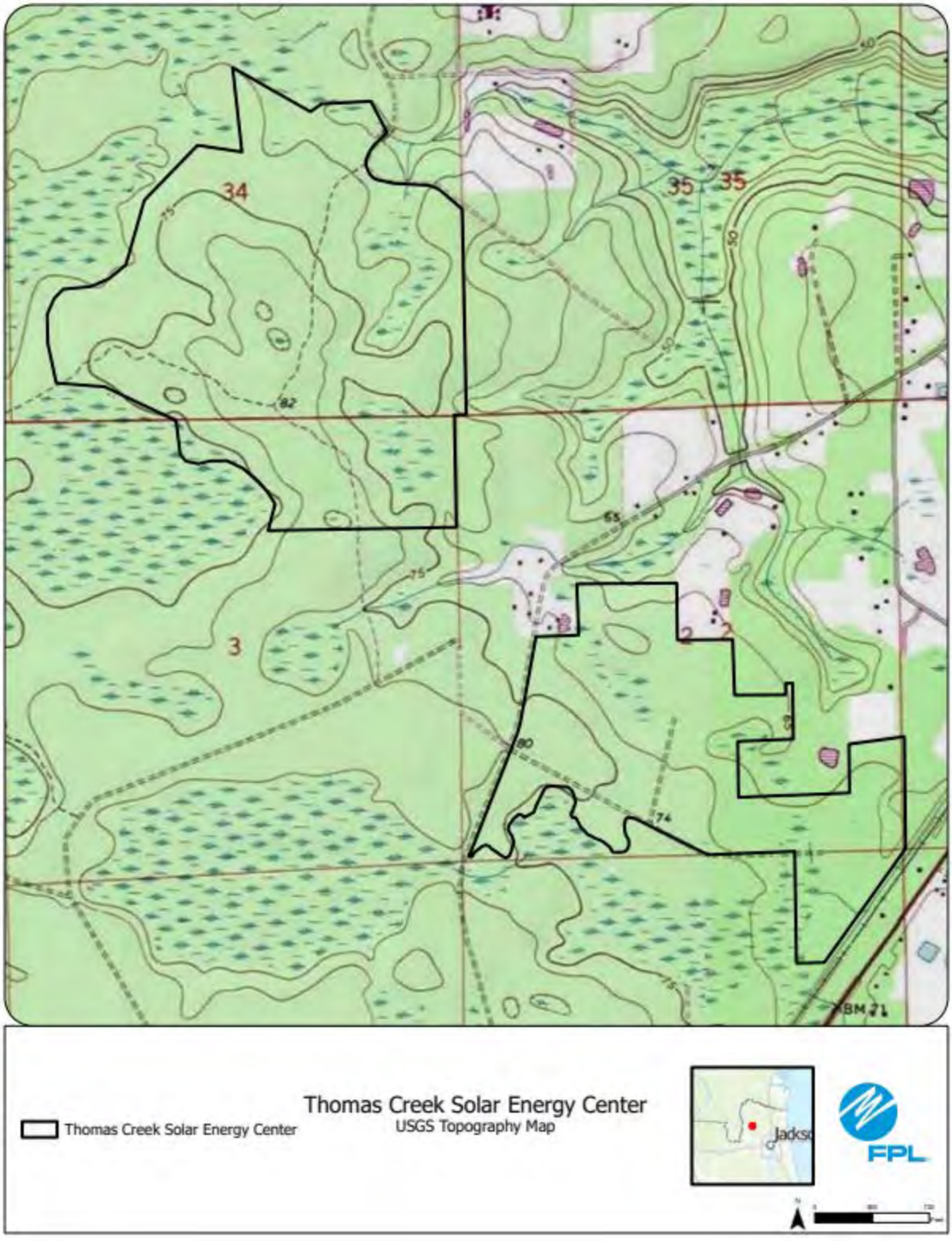

Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Green Pasture Solar Energy Center
Land Use/Land Cover Map
Florida
FPL


Green Pasture Solar Energy Center
Green Pasture Solar Energy Center
Facility Layout Map
Florida
FPL

Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #15: Thomas Creek Solar Energy Center, Nassau County

	Preferred Site	Thomas Creek Solar Energy Center
	County	Nassau
	Facility Acreage	639 (400 project acres)
	COD	1/31/2025
	For PV facilities: tracking or fixed	Tracking
	Reference Maps	
a.	USGS Map	See Figures in the following pages
b.	Proposed Facilities Layout	
c.	Map of Site and Adjacent Areas	
d.	Land Use Map of site and Adjacent Areas	
e.	**Existing Land Uses**	
	Site	Silviculture
	Adjacent Areas	Agricultural and low density residential
f.	**General Environment Features On and In the Site Vicinity**	
1.	Natural Environment	Site is silviculture with some forested wetlands.
2.	Listed Species	Gopher tortoises
3.	Natural Resources of Regional Significance Status	No natural resources of regional significance status at or adjacent to the site.
4.	Other Significant Features	FPL is not aware of any other significant features of the site.
g.	Design Features and Mitigation Options	The design includes an approximately 74.5 MW solar tracking panel PV facility, on-site transmission substation, and site stormwater system.
h.	Local Government Future Land Use Designations	Local government future land use for this site is Agriculture.
i.	Site Selection Criteria Factors	The site selection criteria included system load, transmission interconnection, economics, and environmental compatibility (e.g., wetlands, wildlife, threatened and endangered species, etc.).
j.	Water Resources	Existing on-site water resources may be used to meet water requirements if a permit is pulled or if the facility has an existing CUP/WUP or meets WMD permit-by-rule criteria. Otherwise, water will need to be trucked in from off-site.
k.	Geological Features of Site and Adjacent Areas	See Figures in the following pages. Site is located in the Panhandle region.
l.	Project Water Quantities for Various Uses	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable: Minimal, existing permitted supply Panel Cleaning: Minimal and only in absence of sufficient rainfall.
m.	Water Supply Sources by Type	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable and Panel Cleaning: Delivered to Site by Truck or via existing permitted supply.
n.	Water Conservation Strategies Under Consideration	Solar (PV) does not require a permanent water source. Additional water conservation strategies include selection and planting of low-to-no irrigation grass or groundcover.
o.	Water Discharges and Pollution Control	Best Management Practices (BMPs) will be employed to prevent and control inadvertent release of pollutants.
p.	Fuel Delivery, Storage, Waste Disposal, and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
q.	Air Emissions and Control Systems	Fuel - PV Solar energy generation does not use any type of combustion fuel, therefore there will be no air emissions or need for Control Systems. Combustion Control - Not Applicable Combustor Design - Not Applicable
r.	Noise Emissions and Control Systems	PV Solar energy generation does not emit noise therefore there will be no need for noise control systems.
s	Status of Applications	FDEP ERP Issued: 4/7/2023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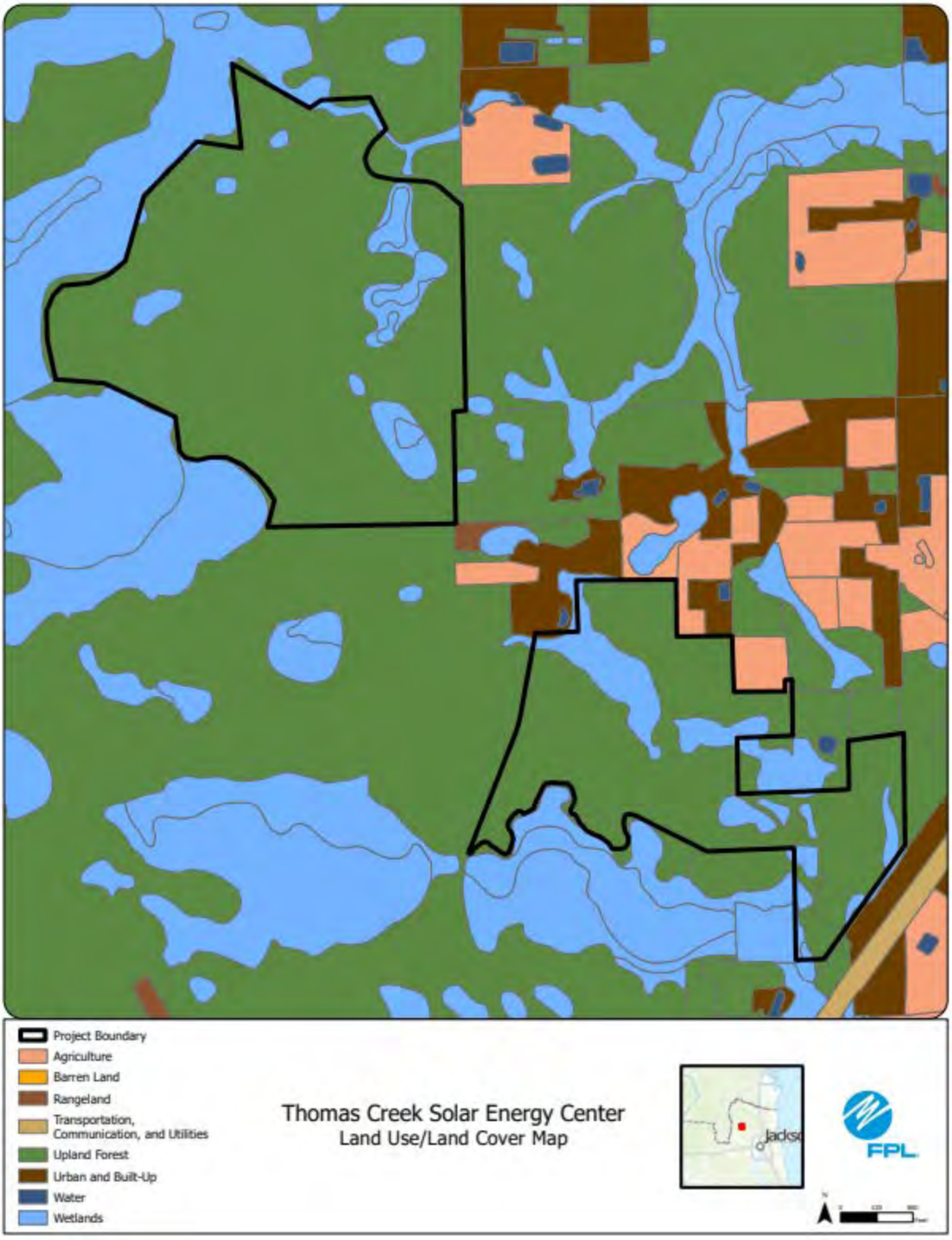
Thomas Creek Solar Energy Center
Thomas Creek Solar Energy Center
USGS Topography Map
FPL

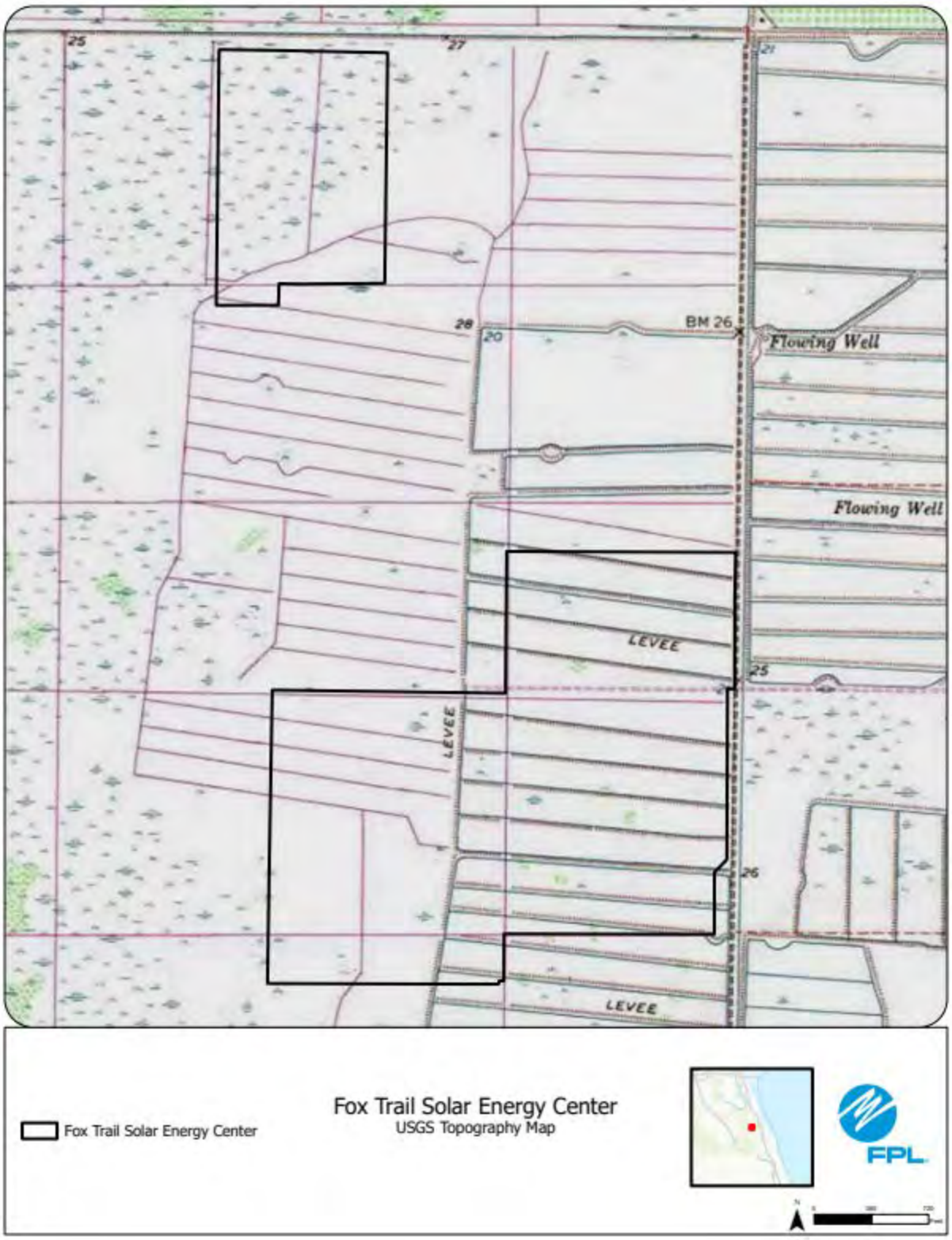

Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Thomas Creek Solar Energy Center
Land Use/Land Cover Map
FPL


Thomas Creek Solar Energy Center
Thomas Creek Solar Energy Center
Facility Layout Map
FPL

Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #16: Fox Trail Solar Energy Center, Brevard County

	Preferred Site	Fox Trail Solar Energy Center
	County	Brevard
	Facility Acreage	2610 (576 project acres)
	COD	1/31/2025
	For PV facilities: tracking or fixed	Tracking
	Reference Maps	
a.	USGS Map	See Figures in the following pages
b.	Proposed Facilities Layout	
c.	Map of Site and Adjacent Areas	
d.	Land Use Map of site and Adjacent Areas	
e.	**Existing Land Uses**	
	Site	Field crops, sod, and wetlands
	Adjacent Areas	Wetlands and various agriculture
f.	**General Environment Features On and In the Site Vicinity**	
1.	Natural Environment	Site is active agriculture of field crops and sod with some wet areas.
2.	Listed Species	Florida sandhill crane, little blue heron
3.	Natural Resources of Regional Significance Status	Bald eagle nest located approximately 4000 feet east of project.
4.	Other Significant Features	FPL is not aware of any other significant features of the site.
g.	Design Features and Mitigation Options	The design includes an approximately 74.5 MW solar tracking panel PV facility, on-site transmission substation, and site stormwater system. Mitigation for unavoidable impacts, if required, may occur through off-site mitigation.
h.	Local Government Future Land Use Designations	Solar facilities are not permitted in the Agricultural Zone at this time. Permitting requires amendment to county comprehensive plan and Conditional Use Permit issuance.
i.	Site Selection Criteria Factors	The site selection criteria included system load, transmission interconnection, economics, and environmental compatibility (e.g., wetlands, wildlife, threatened and endangered species, etc.).
j.	Water Resources	Existing on-site water resources may be used to meet water requirements if a permit is pulled or if the facility has an existing CUP/WUP or meets WMD permit-by-rule criteria. Otherwise, water will need to be trucked in from off-site.
k.	Geological Features of Site and Adjacent Areas	See Figure in the following pages. Site is located in the Central Florida region.
l.	Project Water Quantities for Various Uses	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable: Minimal, existing permitted supply Panel Cleaning: Minimal and only in absence of sufficient rainfall.
m.	Water Supply Sources by Type	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable and Panel Cleaning: Delivered to Site by Truck or via existing permitted supply.
n.	Water Conservation Strategies Under Consideration	Solar (PV) does not require a permanent water source. Additional water conservation strategies include selection and planting of low-to-no irrigation grass or groundcover.
o.	Water Discharges and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
p.	Fuel Delivery, Storage, Waste Disposal, and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
q.	Air Emissions and Control Systems	Fuel - PV Solar energy generation does not use any type of combustion fuel, therefore there will be no air emissions or need for Control Systems. Combustion Control - Not Applicable Combustor Design - Not Applicable
r.	Noise Emissions and Control Systems	PV Solar energy generation does not emit noise therefore there will be no need for noise control systems.
s	Status of Applications	FDEP ERP Issued: 5/31/23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BM 26
Flowing Well
Flowing Well
LEVEE
LEVEE
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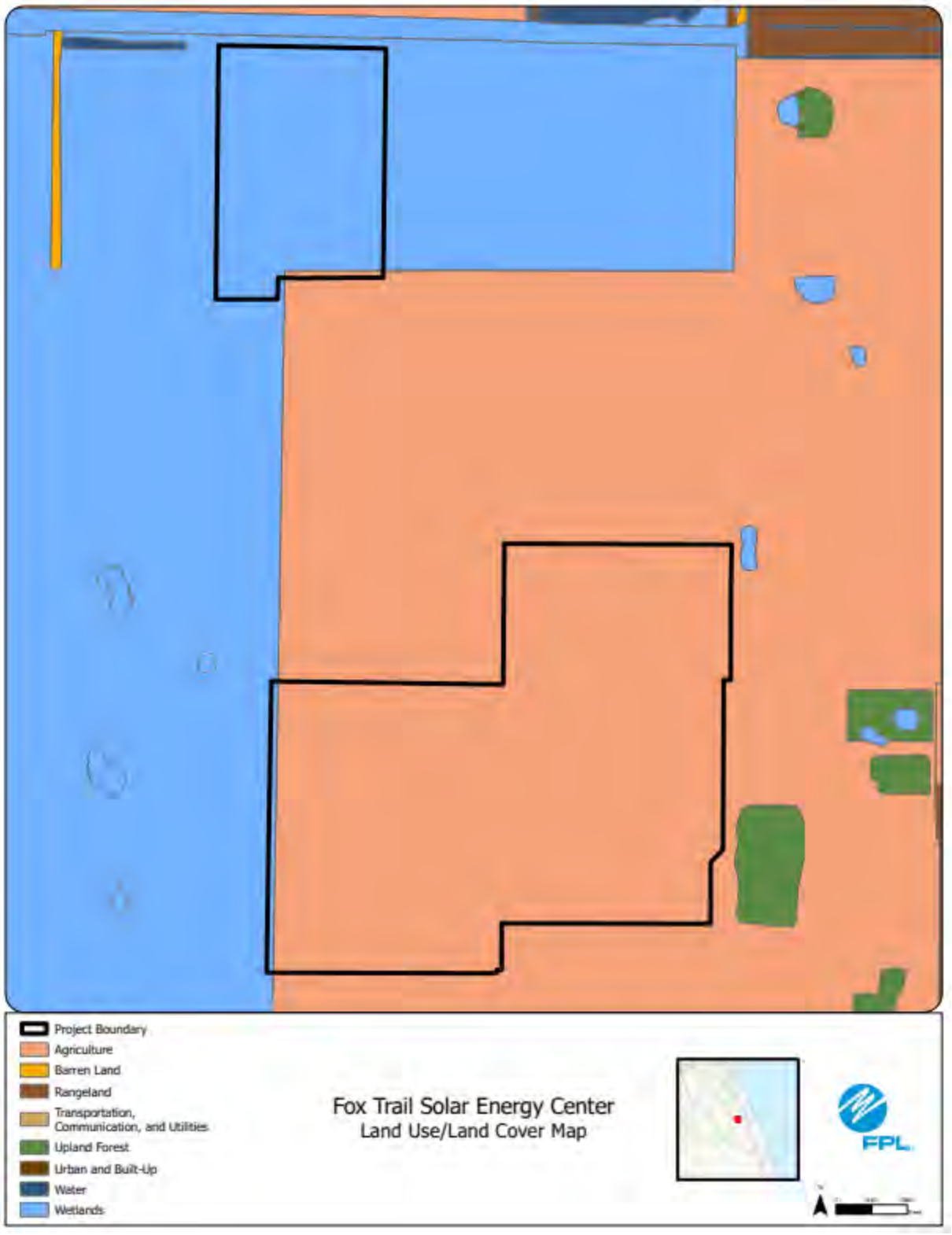
LEVEE
Fox Trail Solar Energy Center
Fox Trail Solar Energy Center
USGS Topography Map
FPL

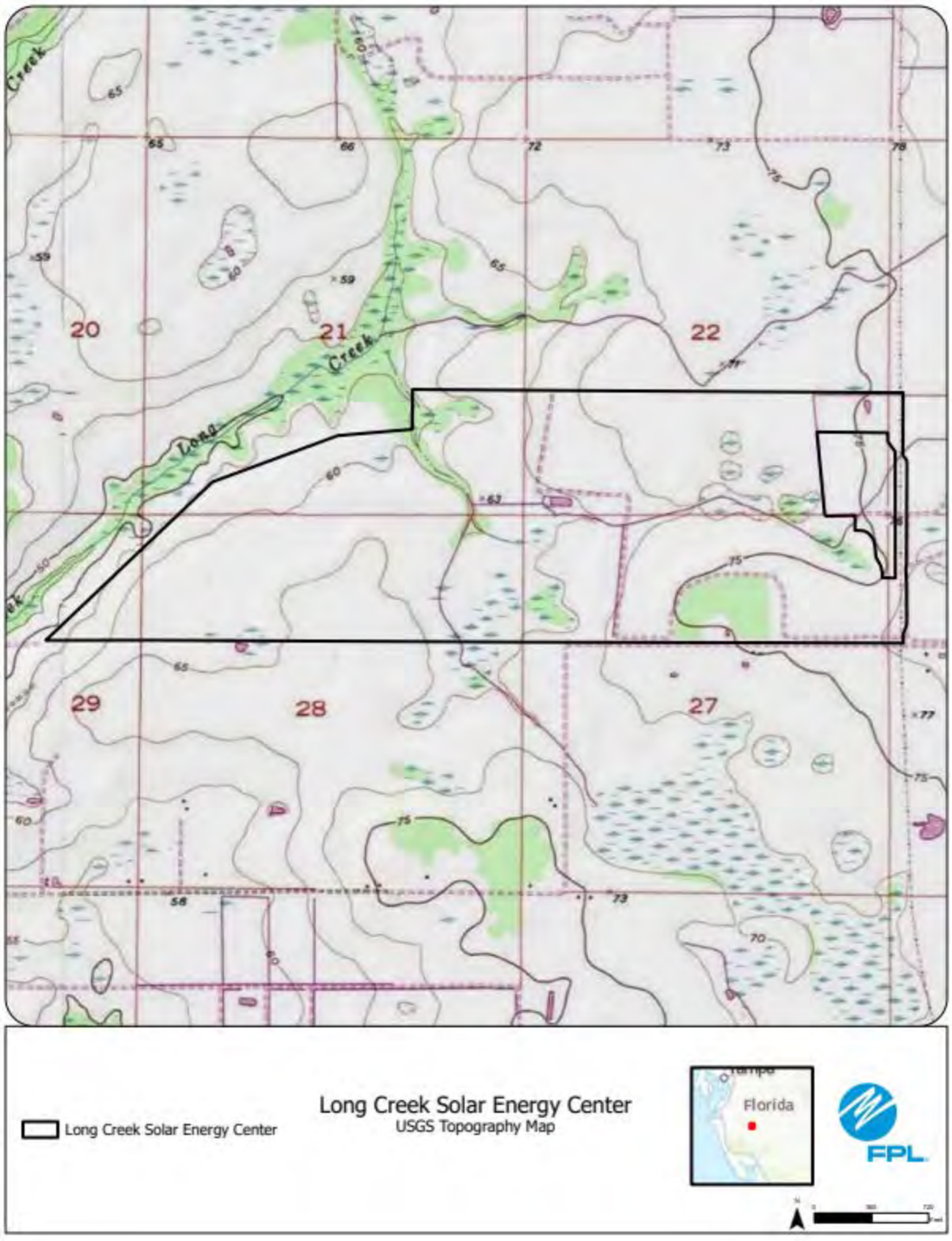

Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Fox Trail Solar Energy Center
Land Use/Land Cover Map
FPL


Fox Trail Solar Energy Center
Fox Trail Solar Energy Center
Facility Layout Map
FPL

Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #17: Long Creek Solar Energy Center, Manatee County

	Preferred Site	Long Creek Solar Energy Center
	County	Manatee
	Facility Acreage	1236 (818 project acres)
	COD	1/31/2025
	For PV facilities: tracking or fixed	Tracking
	Reference Maps	
a.	USGS Map	See Figures in the following pages
b.	Proposed Facilities Layout	
c.	Map of Site and Adjacent Areas	
d.	Land Use Map of site and Adjacent Areas	
e.	**Existing Land Uses**	
	Site	Fallow row crops
	Adjacent Areas	Agricultural lands and low density residential
f.	**General Environment Features On and In the Site Vicinity**	
1.	Natural Environment	Site is fallow row crop fields with forested wetland and upland areas on-site.
2.	Listed Species	Gopher tortoise burrows on-site and other specific species surveys on-going.
3.	Natural Resources of Regional Significance Status	Long Creek runs along the western boundary of this site and Owen Branch is located towards the south of the site, which flow into the Myakka River.
4.	Other Significant Features	FPL is not aware of any significant features on or off of this site.
g.	Design Features and Mitigation Options	The design includes an approximately 74.5 MW solar tracking panel PV facility, on-site transmission substation, and site stormwater system. Mitigation for unavoidable impacts, if required, may occur through off-site mitigation.
h.	Local Government Future Land Use Designations	Solar facilities are not permitted in the Agricultural Zone at this time. Permitting requires amendment to county comprehensive plan and Conditional Use Permit issuance.
i.	Site Selection Criteria Factors	The site selection criteria included system load, transmission interconnection, economics, and environmental compatibility (e.g., wetlands, wildlife, threatened and endangered species, etc.).
j.	Water Resources	Existing onsite water resources may be used to meet water requirements if permit is pulled. Otherwise, water will need to be trucked from off-site.
k.	Geological Features of Site and Adjacent Areas	See Figure in the following pages. Site is located in the Central Florida region.
l.	Project Water Quantities for Various Uses	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable: Minimal, existing permitted supply Panel Cleaning: Minimal and only in absence of sufficient rainfall.
m.	Water Supply Sources by Type	Cooling: Not Applicable for Solar Process: Not Applicable for Solar Potable and Panel Cleaning: Delivered to Site by Truck or via existing permitted supply.
n.	Water Conservation Strategies Under Consideration	Solar (PV) does not require a permanent water source. Additional water conservation strategies include selection and planting of low-to-no irrigation grass or groundcover.
o.	Water Discharges and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
p.	Fuel Delivery, Storage, Waste Disposal, and Pollution Control	Solar does not require fuel and no waste products will be generated at the site.
q.	Air Emissions and Control Systems	Fuel - PV Solar energy generation does not use any type of combustion fuel, therefore there will be no air emissions or need for Control Systems. Combustion Control - Not Applicable Combustor Design - Not Applicable
r.	Noise Emissions and Control Systems	PV Solar energy generation does not emit noise therefore there will be no need for noise control systems.
s	Status of Applications	FDEP ERP Issued: 6/30/23 FDEP 404 NPR Issued: 8/25/23


Creek
Long
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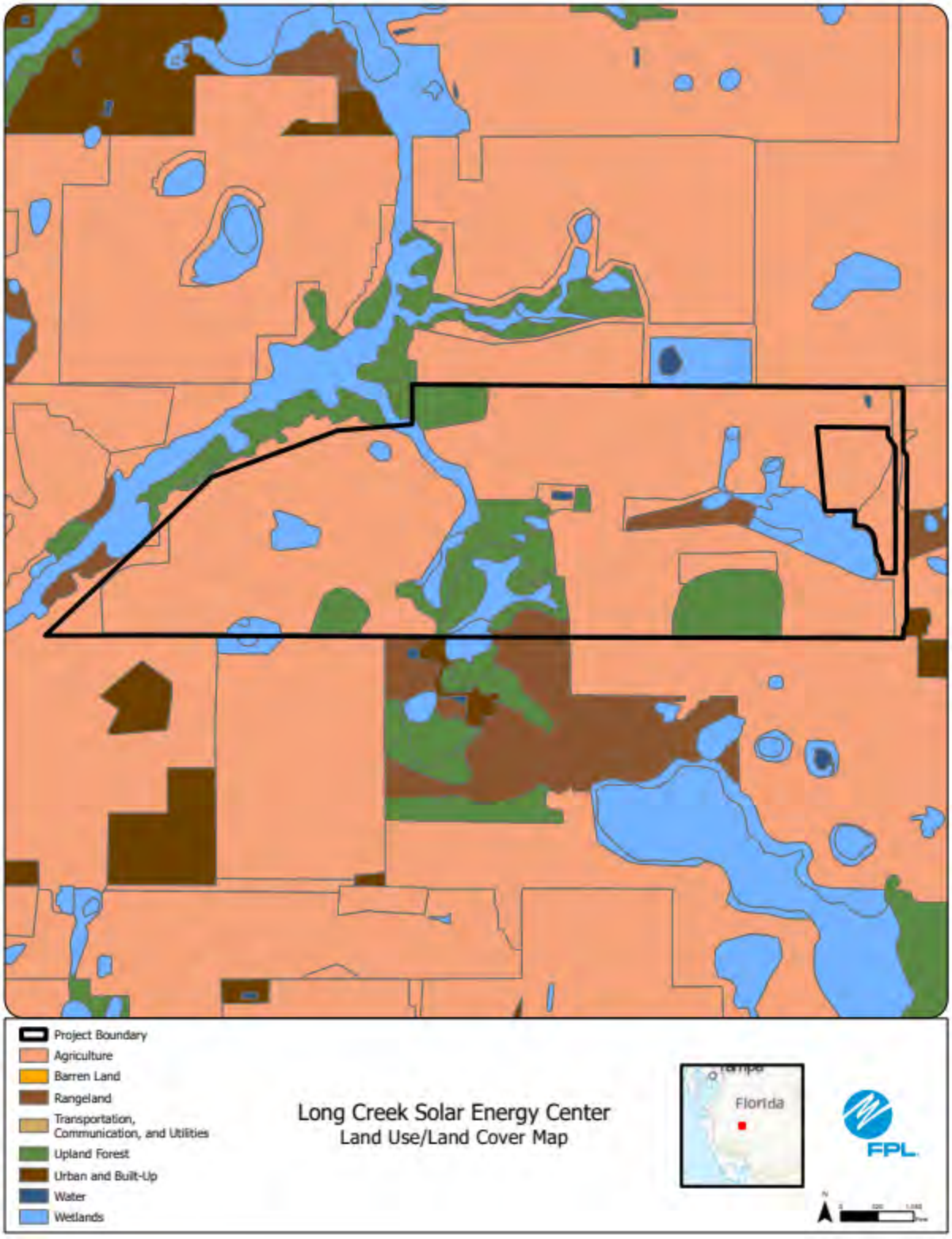
Long Creek Solar Energy Center
Long Creek Solar Energy Center
USGS Topography Map
Florida
FPL


Project Boundary
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FPL


Long Creek Solar Energy Center
Long Creek Solar Energy Center
Facility Layout Map
Florida
FPL