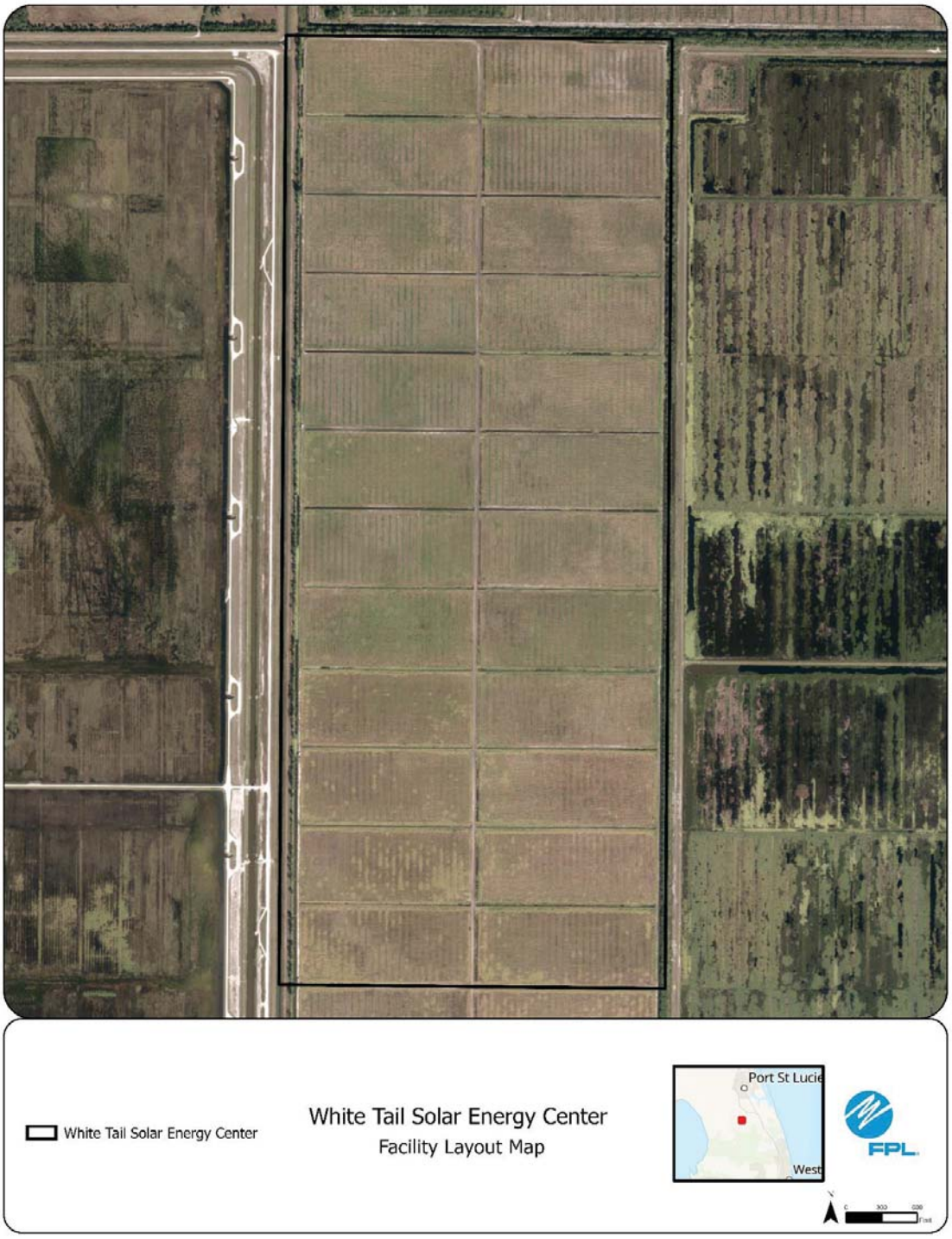
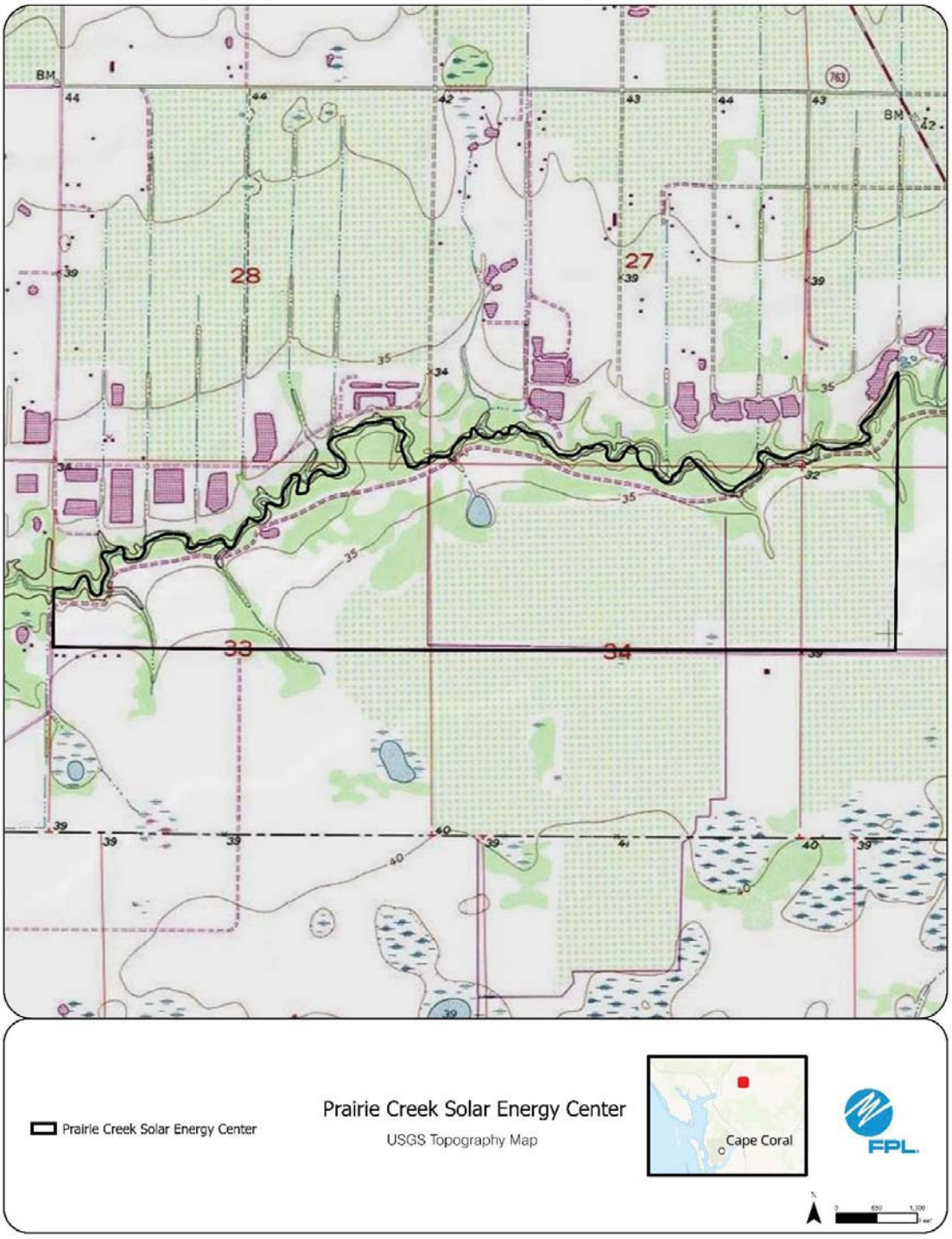
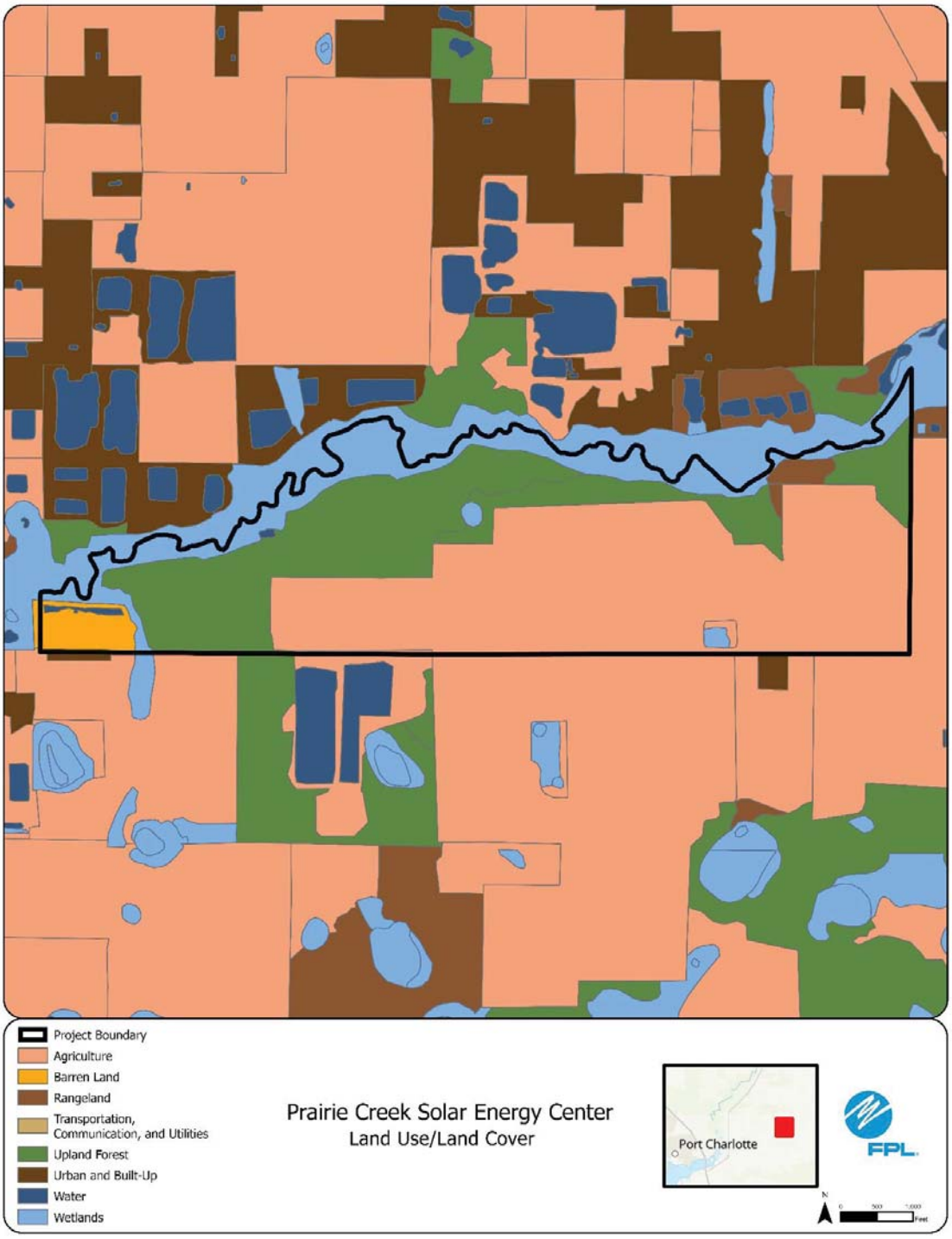

White Tail Solar Energy Center
White Tail Solar Energy Center
Facility Layout Map
Port St Lucie
West
FPL

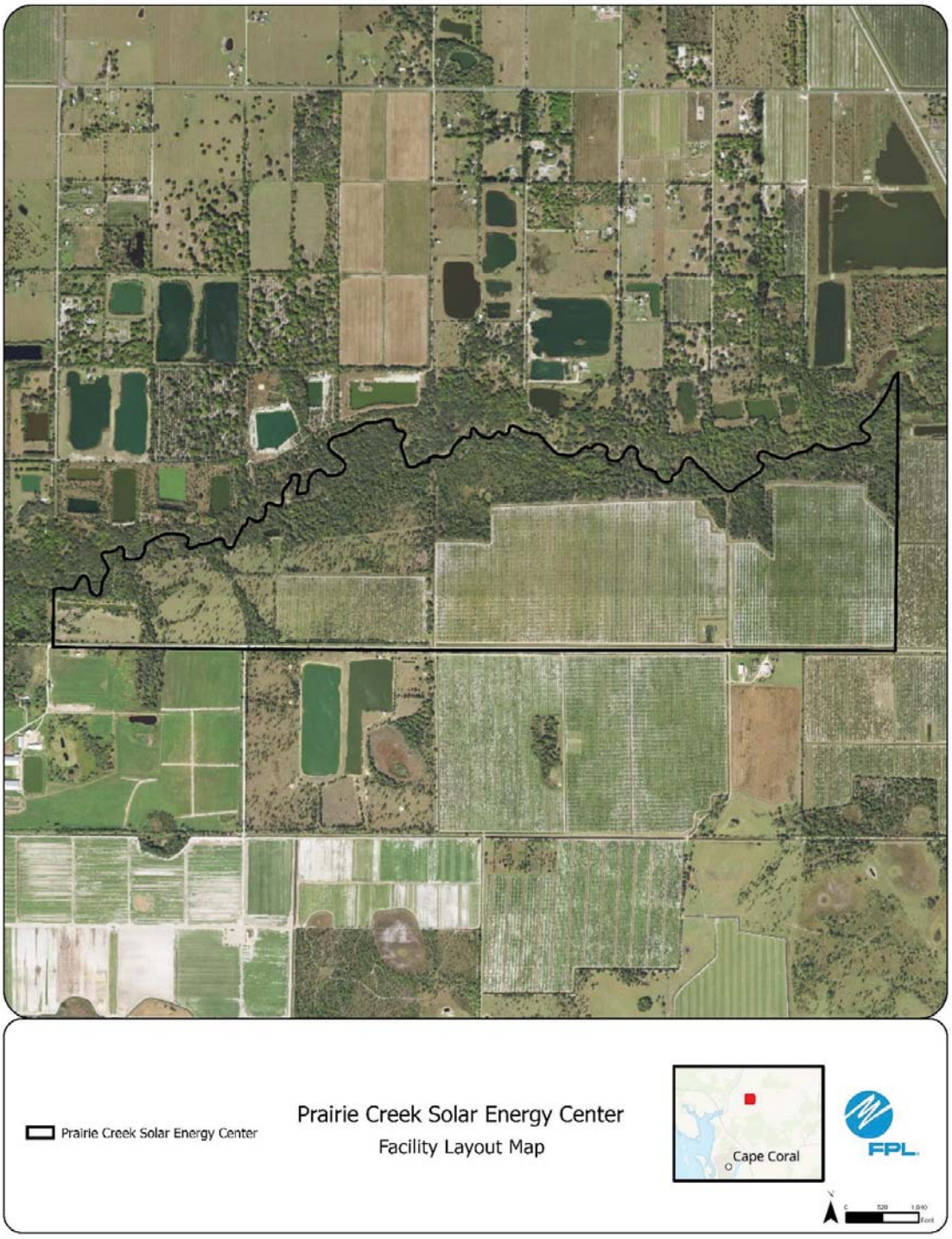
Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #27: Prairie Creek Solar Energy Center, DeSoto County

	Preferred Site	Prairie Creek Solar Energy Center
	County	Desoto/Charlotte
	Facility Acreage	677
	COD	1/31/2024
	For PV facilities: tracking or fixed	Fixed
	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	Improved pasture
	Adjacent Areas	Agricultural land
f.	General Environment Features On and In the Site Vicinity	
1.	Natural Environment	Site is improved pasture with no significant environmental features on or nearby this site.
2.	Listed Species	Gopher tortoise, Southeastern American Kestrel, FL Bonnetted Bat, cara cara. No impacts to listed species are anticipated.
3.	Natural Resources of Regional Significance Status	Prairie Creek runs adjacent to the site in the north
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 fixed panel PV facility, on-site transmission substation, and site stormwater system. Mitigation for unavoidable impacts, if required, may occur through a combination of on- and off-site mitigation.
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 onsite water resources will be used to meet water requirements, if a permit is pulled or water will be trucked from off-site.
k.	Geological Features of Site and Adjacent Areas	See Figure in the following pages. Site is located in the Southwest 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	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	USACE 404 Permit: Pending NPR FDEP Environmental Resources Permit (ERP): Pending


28
27
33
34
Prairie Creek Solar Energy Center
Prairie Creek Solar Energy Center
USGS Topography Map
Cape Coral
FPL

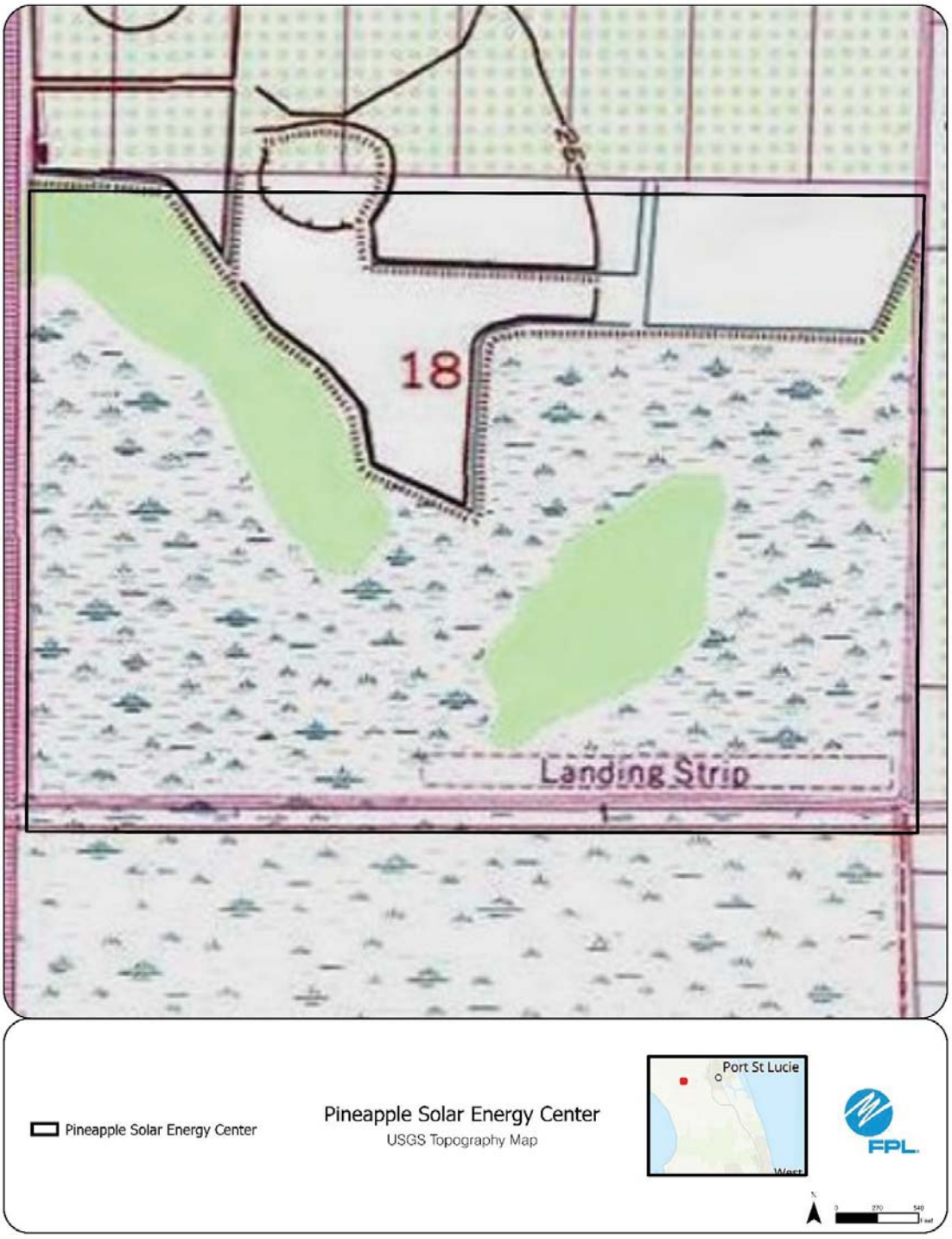

Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Prairie Creek Solar Energy Center
Land Use/Land Cover
Port Charlotte
FPL

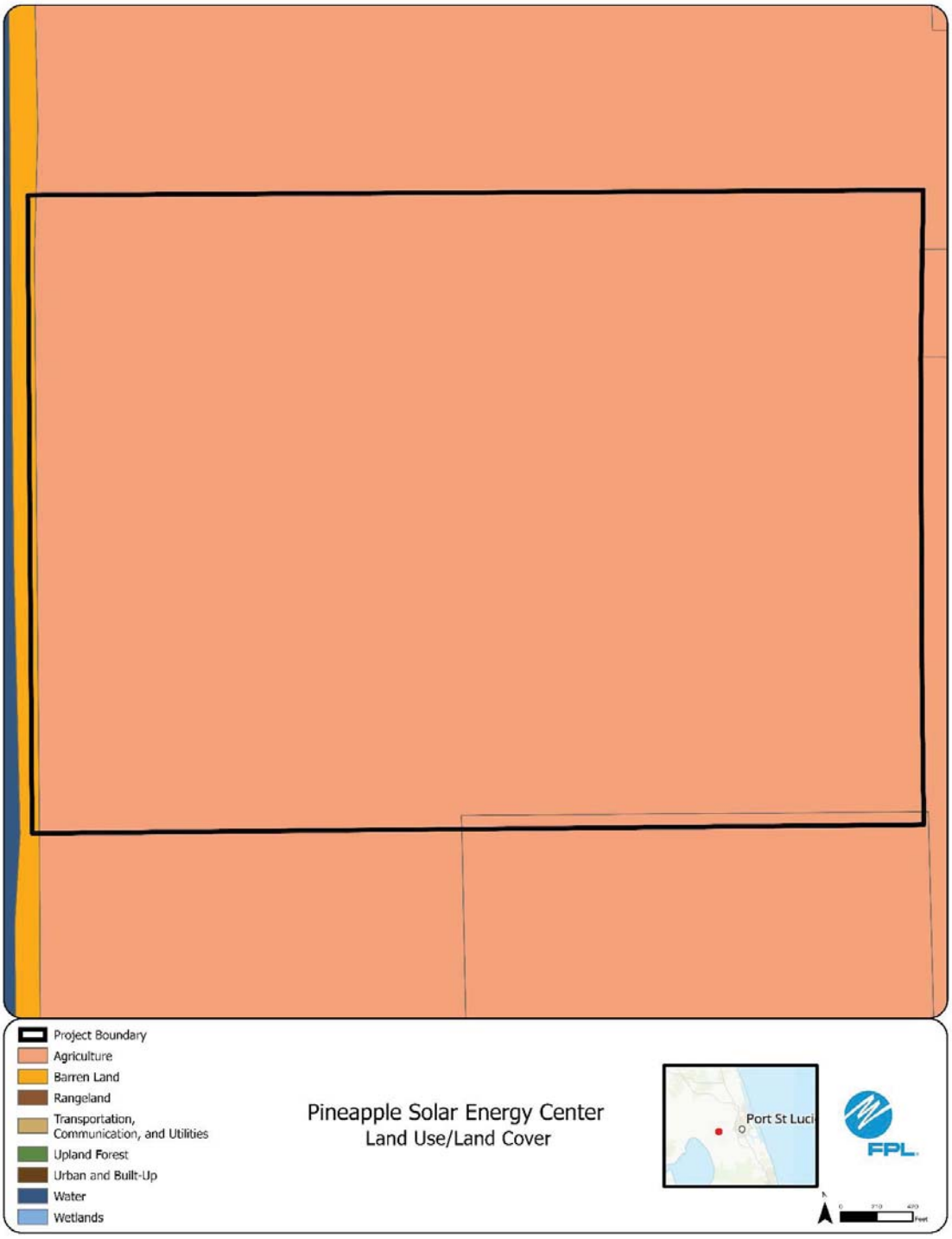

Prairie Creek Solar Energy Center
Prairie Creek Solar Energy Center
Facility Layout Map
Cape Coral
FPL

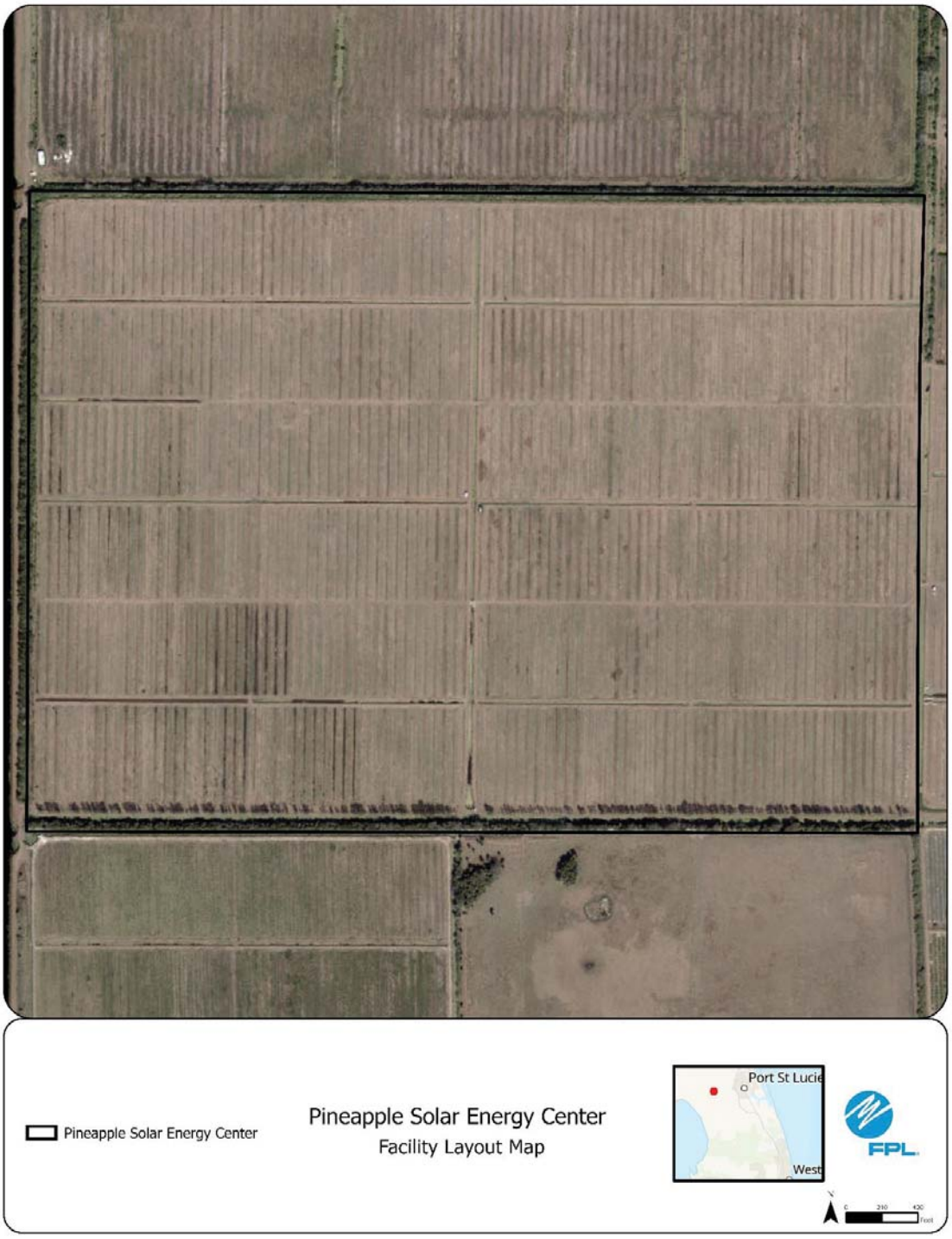
Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #28: Pineapple Solar Energy Center, St. Lucie County

	Preferred Site	Pineapple Solar Energy Center
	County	St. Lucie
	Facility Acreage	428
	COD	1/31/2024
	For PV facilities: tracking or fixed	Fixed
	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	Improved pasture and fallow citrus grove
	Adjacent Areas	Agricultural land
f.	General Environment Features On and In the Site Vicinity	
1.	Natural Environment	Site is improved pasture and fallow citrus with no significant environmental features on or nearby this site.
2.	Listed Species	No adverse 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 fixed panel PV facility, on-site transmission substation, and site stormwater system. Mitigation for unavoidable impacts, if required, may occur through a combination of on- and off-site mitigation.
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 onsite water resources will be used to meet water requirements, if a permit is pulled or water will 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 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	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	USACE 404 Permit: Pending NPR FDEP Environmental Resources Permit (ERP): Pending


25
18
Landing Strip
Pineapple Solar Energy Center
Pineapple Solar Energy Center
USGS Topography Map
Port St Lucie
FPL

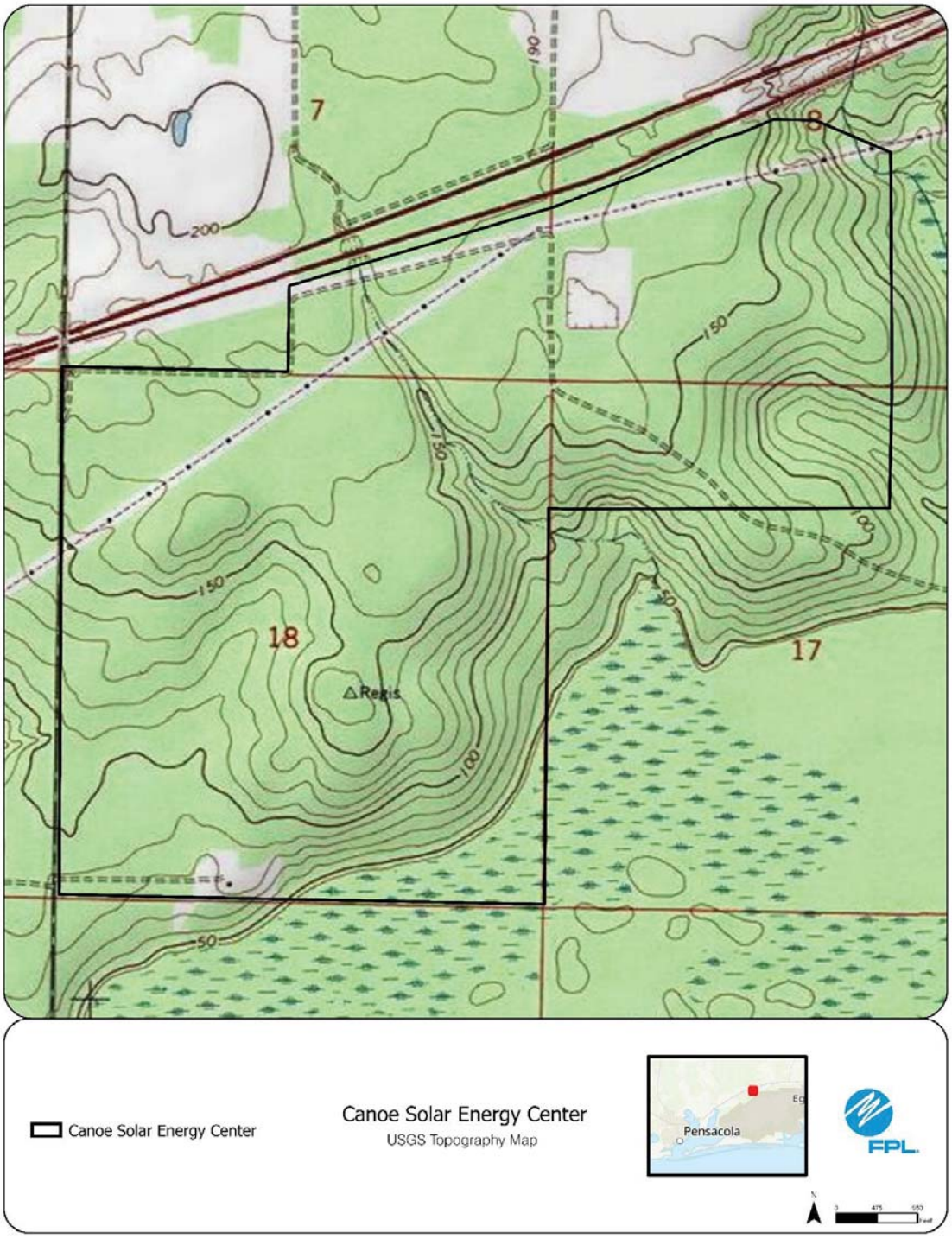

Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Pineapple Solar Energy Center
Land Use/Land Cover
Port St Luci
FPL

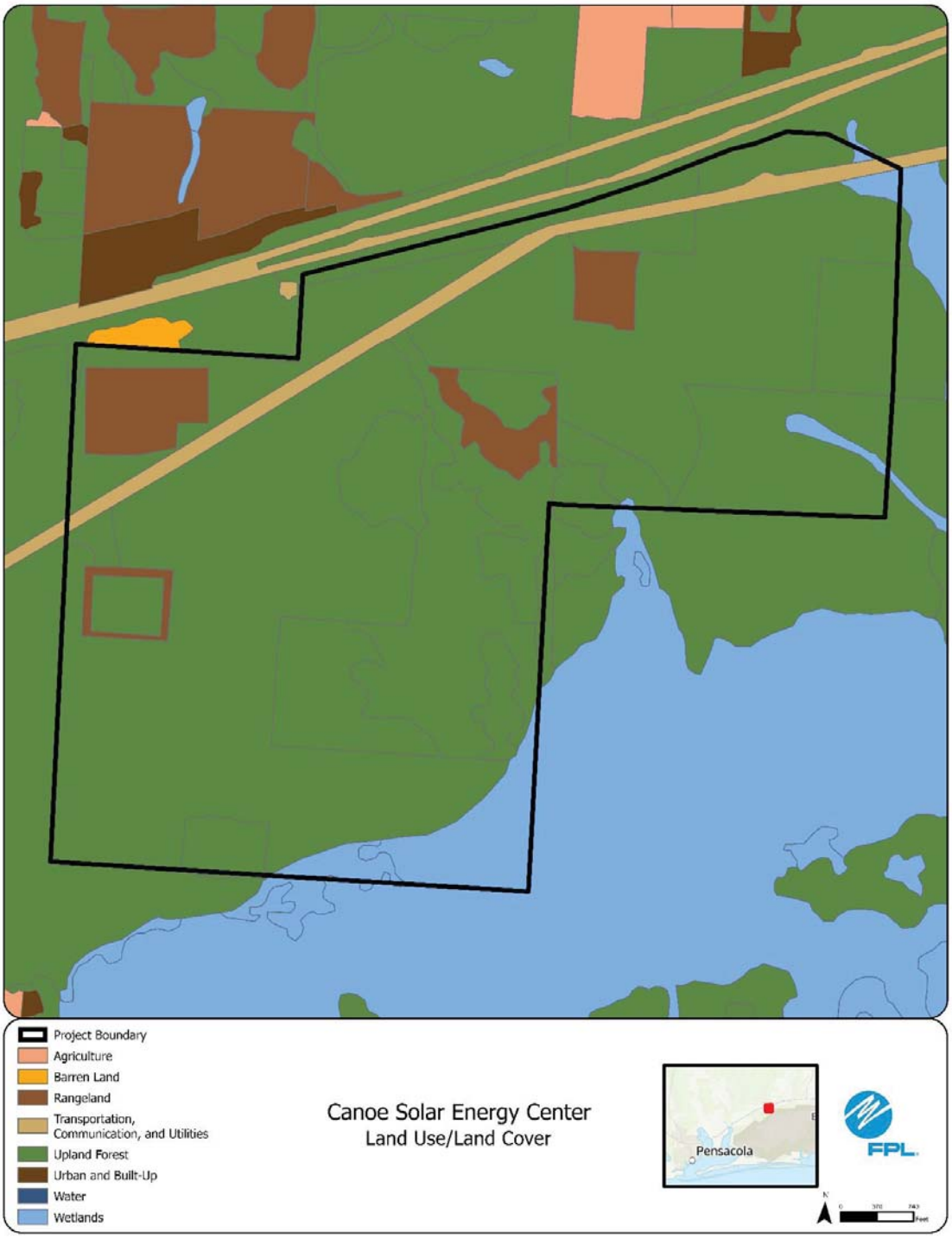

Pineapple Solar Energy Center
Pineapple Solar Energy Center
Facility Layout Map
Port St Lucie
West
FPL

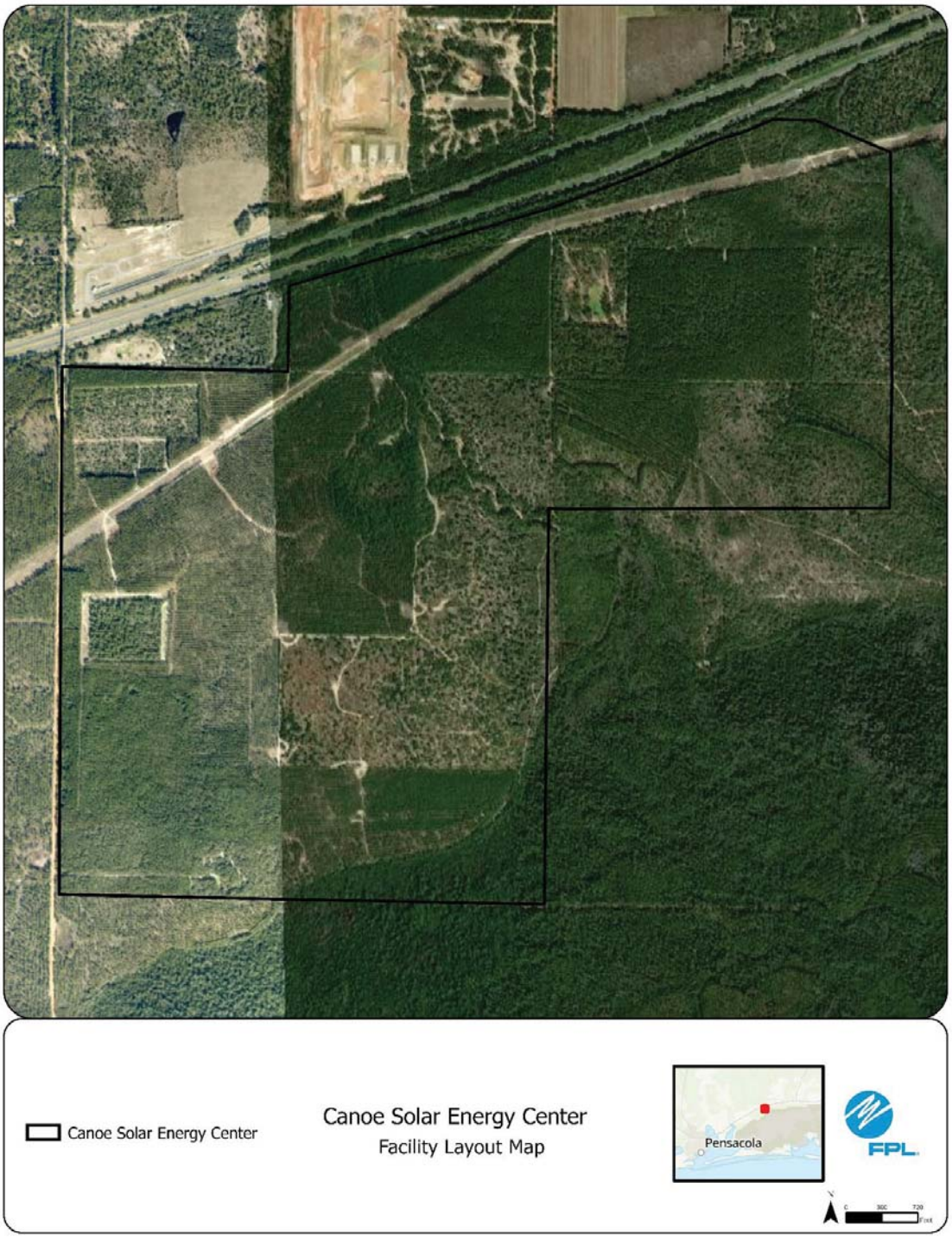
Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #29: Canoe Solar Energy Center, Okaloosa County

	Preferred Site	Canoe Solar Energy Center
	County	Okaloosa
	Facility Acreage	945
	COD	1/31/2024
	For PV facilities: tracking or fixed	Fixed
	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	Pine plantation
	Adjacent Areas	Agriculture with some residential
f.	General Environment Features On and In the Site Vicinity	
1.	Natural Environment	The site is predominantly comprised of coniferous pine plantation.
2.	Listed Species	No adverse 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 fixed panel PV facility, on-site transmission substation, and site stormwater system. There are no wetlands or waters on site; therefore, no compensatory mitigation is required.
h.	Local Government Future Land Use Designations	Solar power generation is allowed within existing Agricultural land use designation.
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 will be used to meet water requirements.
k.	Geological Features of Site and Adjacent Areas	See Figure in the following pages. Site is located in the Panhandle 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	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
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	USACE 404 No Permit Required (NPR) authorization received: 12/3/2020 FDEP Environmental Resources Permit (ERP) received: May 7, 2021


7
8
18
17
△Rexis
200
190
150
100
50
Canoe Solar Energy Center
Canoe Solar Energy Center
USGS Topography Map
Pensacola
FPL

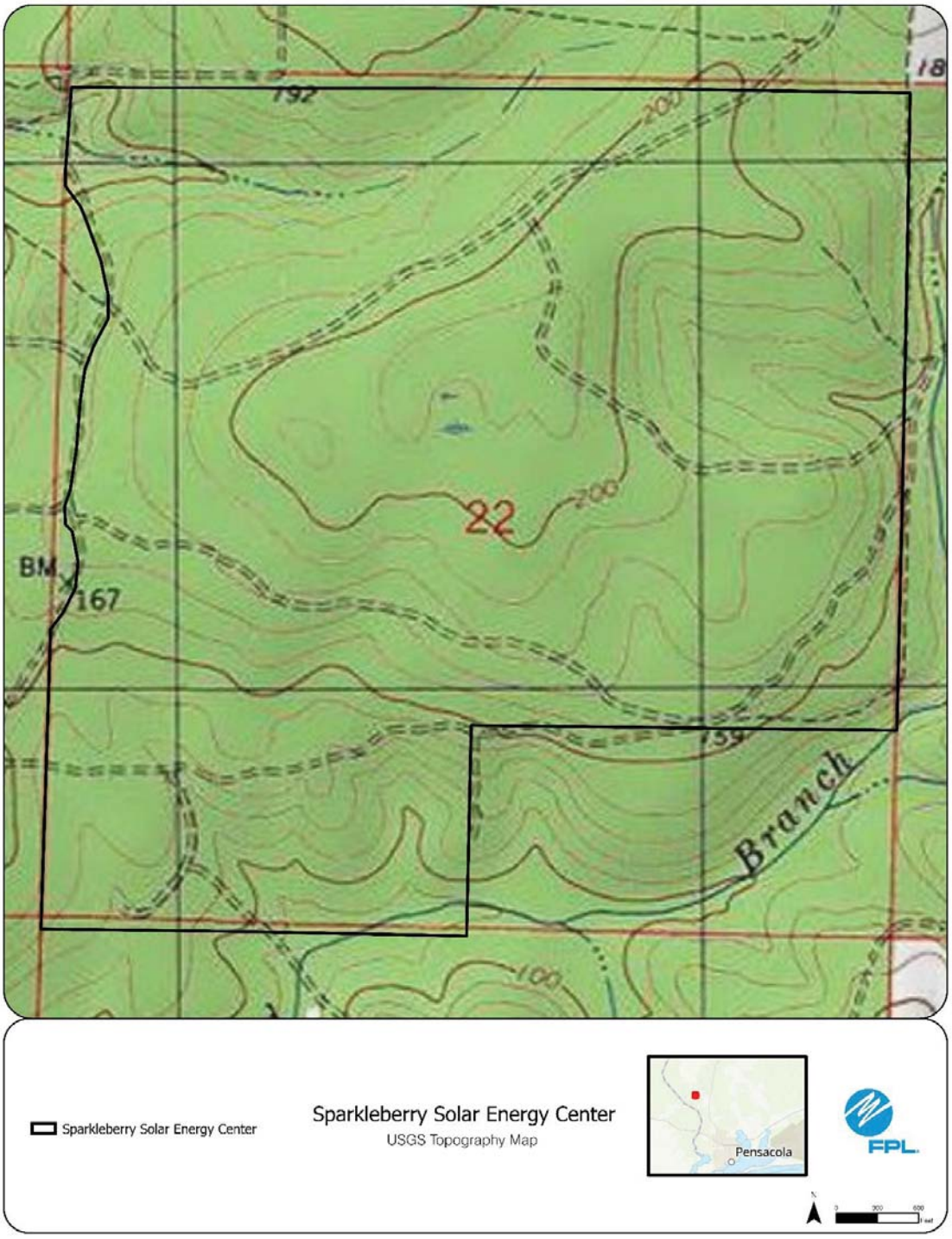

Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Canoe Solar Energy Center
Land Use/Land Cover
Pensacola
FPL

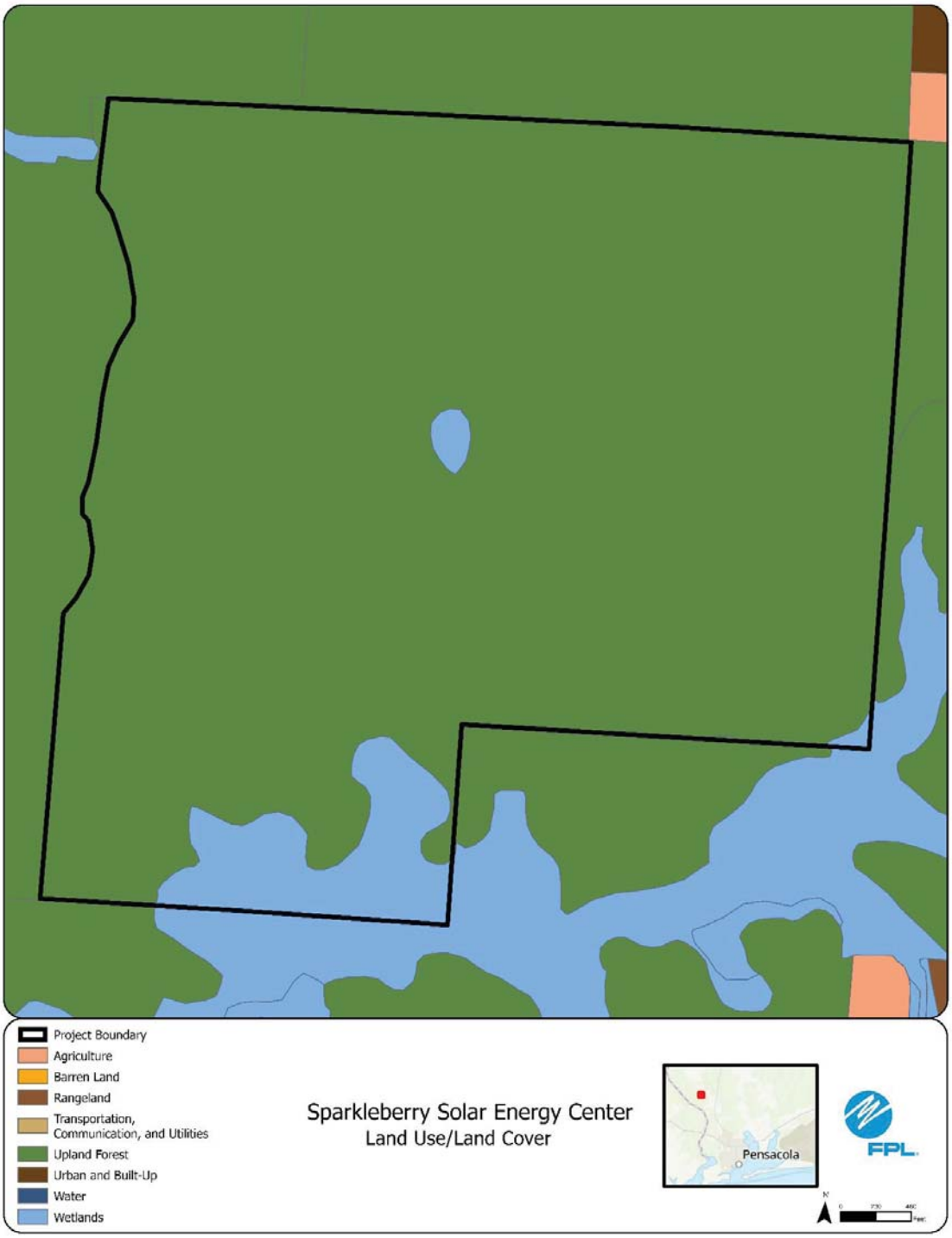

Canoe Solar Energy Center
Canoe Solar Energy Center
Facility Layout Map
Pensacola
FPL

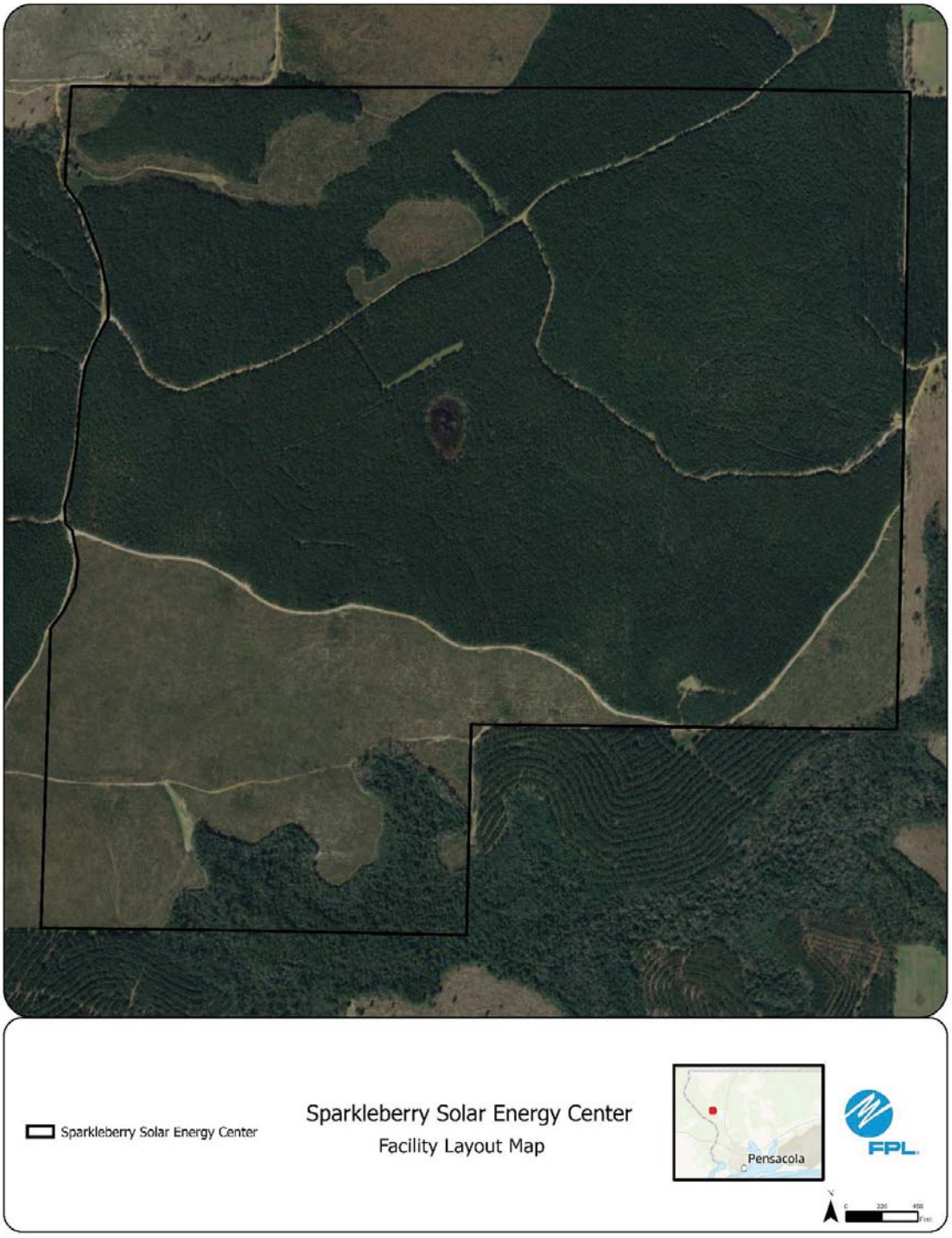
Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #30: Sparkleberry Solar Energy Center, Escambia County

	Preferred Site	Sparkleberry Solar Energy Center
	County	Escambia
	Facility Acreage	533
	COD	3/31/2024
	For PV facilities: tracking or fixed	Fixed
	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	Pine plantation / Silviculture, Low density residential to north
f.	General Environment Features On and In the Site Vicinity	
1.	Natural Environment	The site is predominately silviculture use with existing access roads.
2.	Listed Species	A few GTs found during 15% survey.
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 fixed panel PV facility, on-site transmission substation, and site stormwater system. Mitigation will not be required for work.
h.	Local Government Future Land Use Designations	Solar power generation is allowed within existing Agricultural land use designation.
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 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	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	ERP for stormwater only. Not yet submitted. No application to CORPS required. Possible FWC authorization for GT relocation will be needed. County Permit has not been submitted at this time.


192
200
22
200
BM
167
139
Branch
100
Sparkleberry Solar Energy Center
Sparkleberry Solar Energy Center
USGS Topography Map
Pensacola
FPL


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

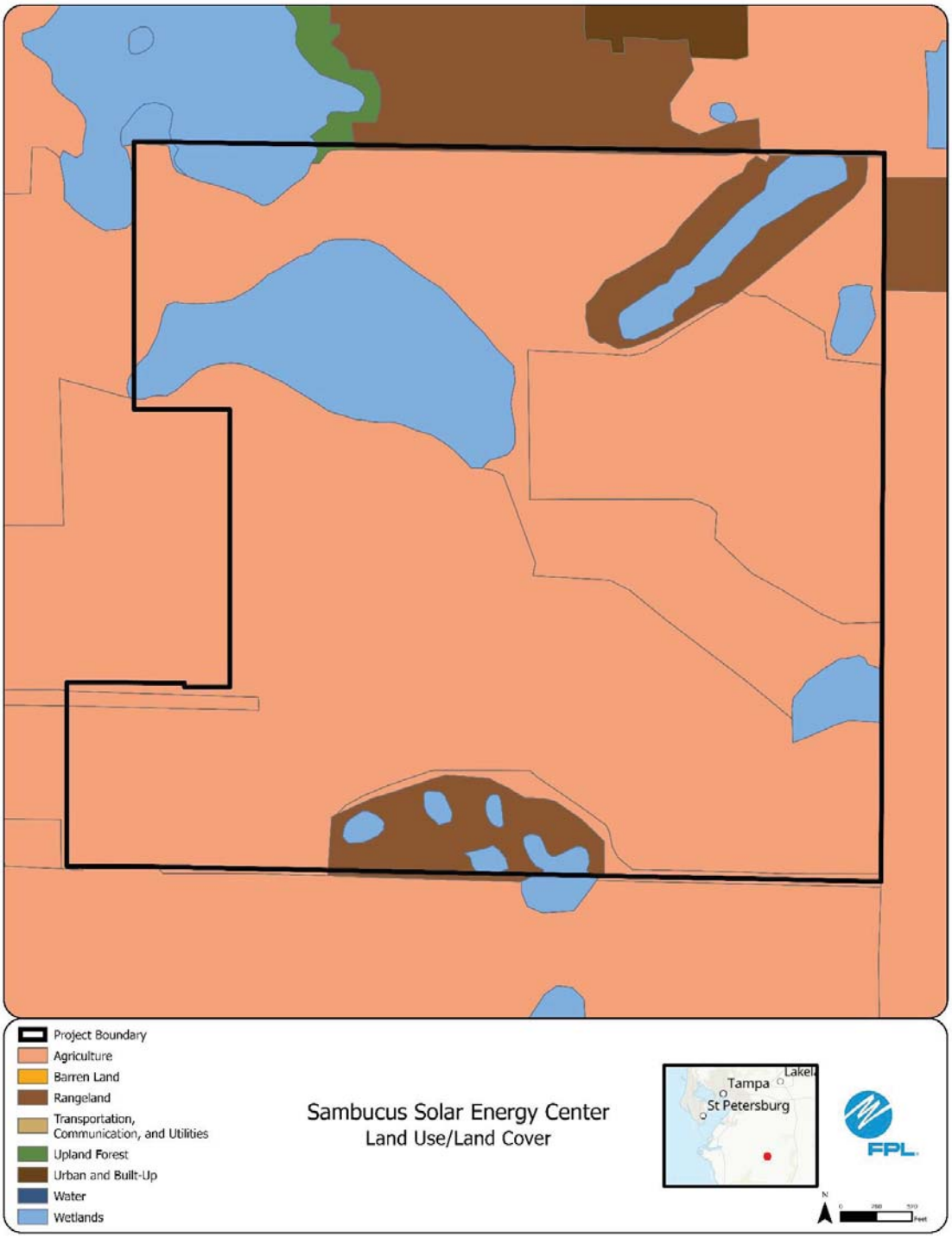

Sparkleberry Solar Energy Center
Sparkleberry Solar Energy Center
Facility Layout Map
Pensacola
FPL

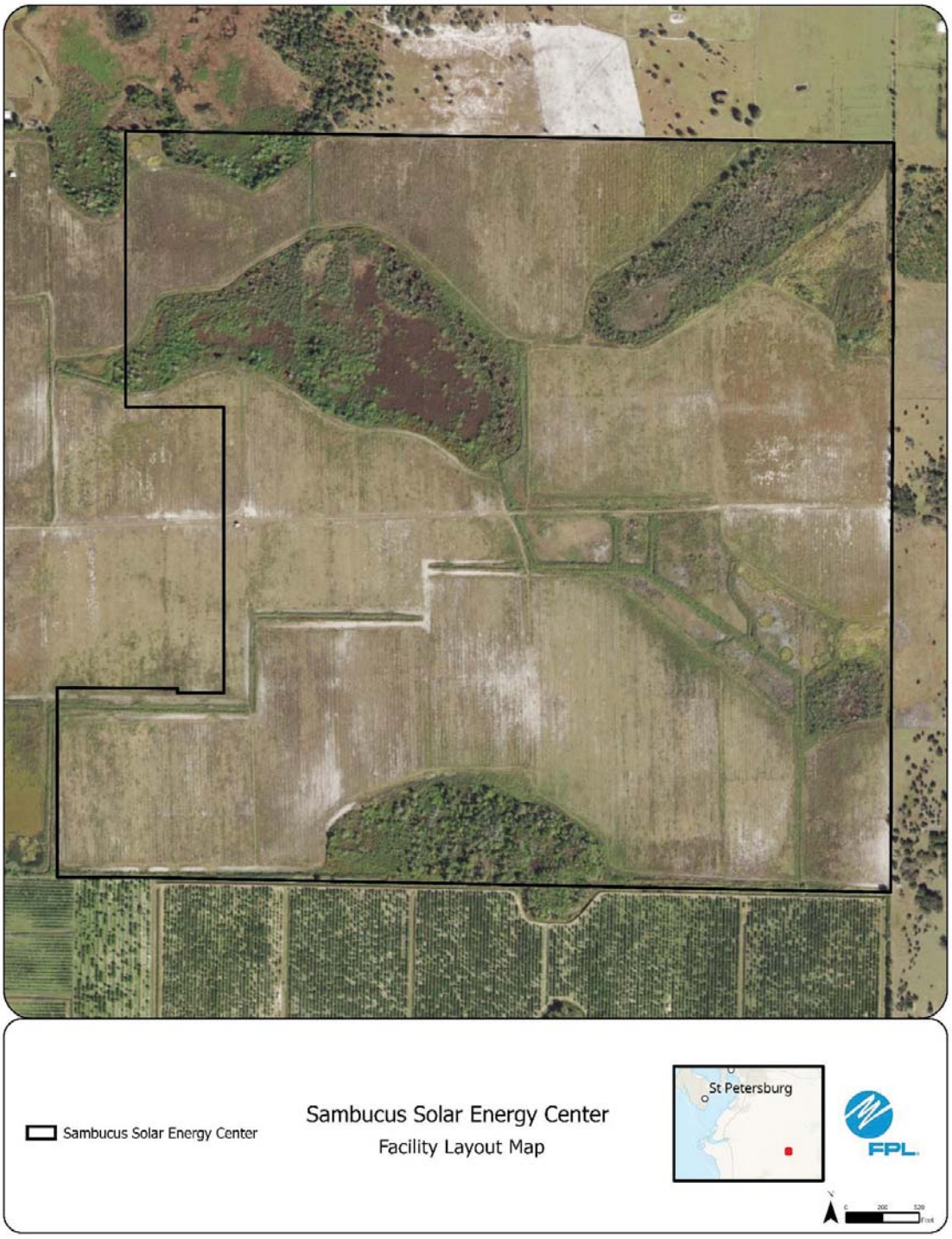
Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #31: Sambucus Solar Energy Center, Manatee County

	Preferred Site	Sambucus Solar Energy Center
	County	Manatee
	Facility Acreage	464
	COD	3/31/2024
	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	Fallow cropland and some forested wetlands
	Adjacent Areas	Agricultural, low density residential, and conservation lands
f.	General Environment Features On and In the Site Vicinity	
1.	Natural Environment	Site is mostly fallow cropland with interspersed forested wetland.
2.	Listed Species	No adverse 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	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 onsite water resources will be used to meet water requirements.
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	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	USACE Section 404 Permit received: N/A FDEP Environmental Resources Permit (ERP) received: Pending


85
90
86
86
85
12
90
85
82
83
83
Sambucus Solar Energy Center
Sambucus Solar Energy Center
USGS Topography Map
St Petersburg
FPL

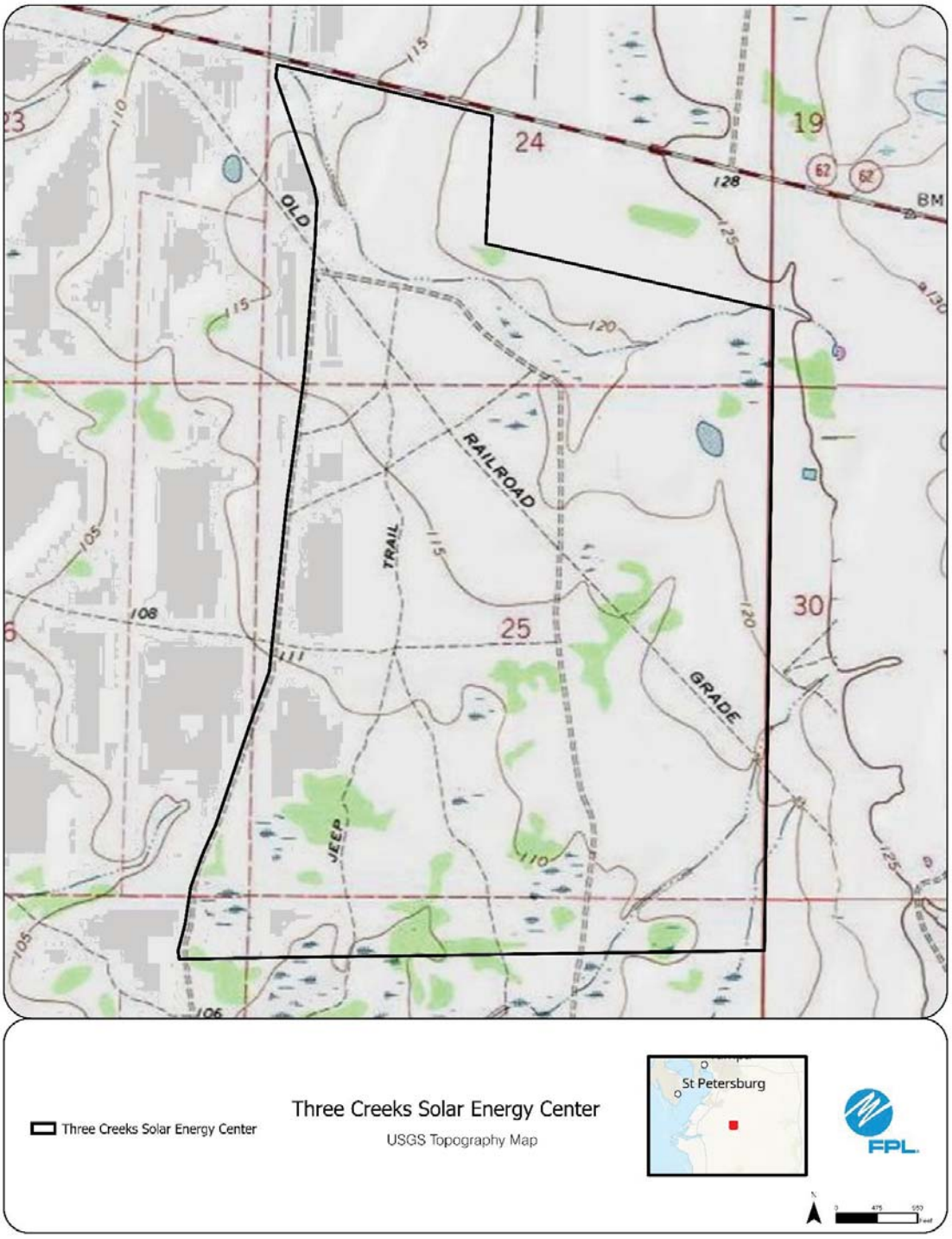

Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Sambucus Solar Energy Center
Land Use/Land Cover
Tampa
St Petersburg
FPL

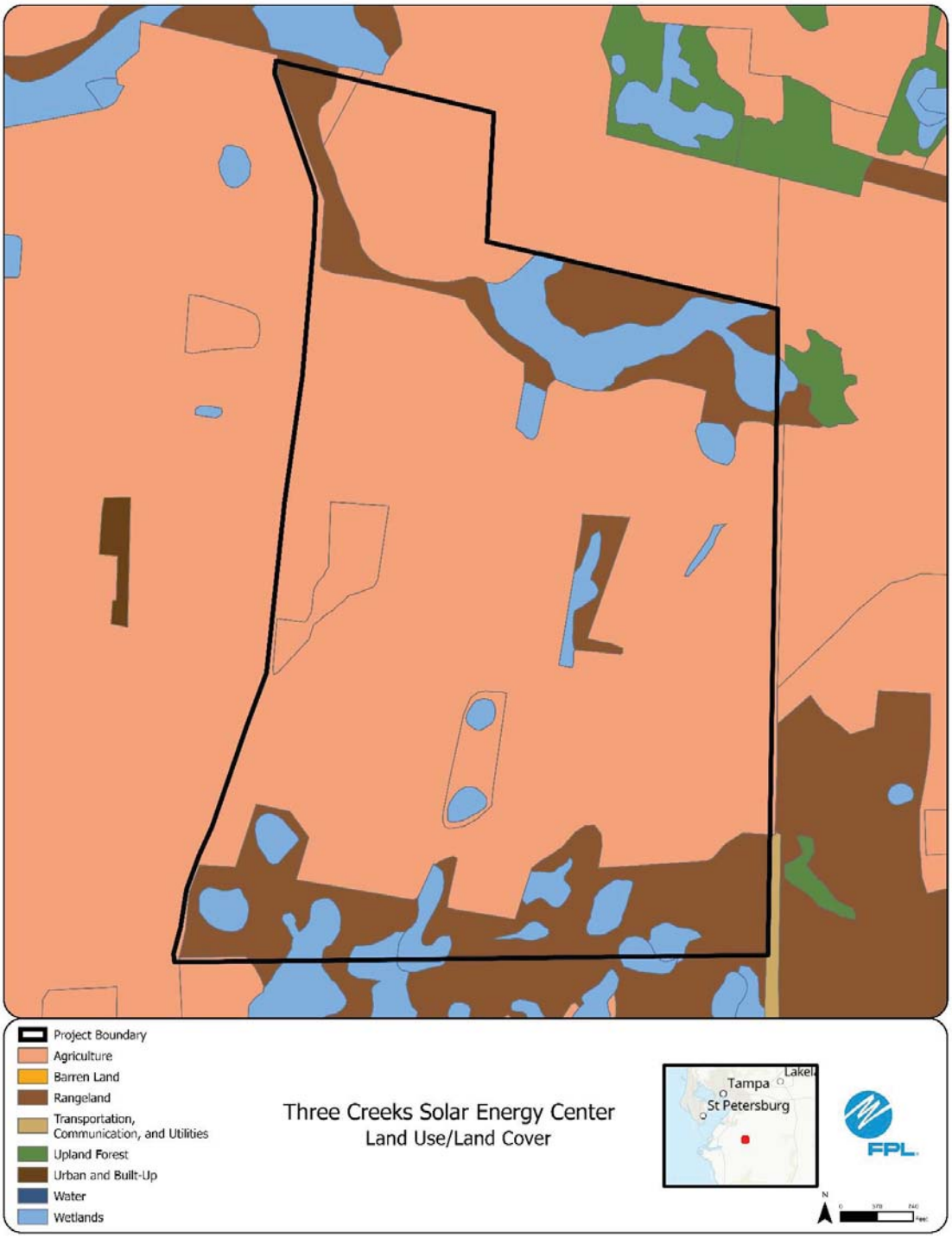

Sambucus Solar Energy Center
Sambucus Solar Energy Center
Facility Layout Map
St Petersburg
FPL

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

Preferred Site #32: Three Creeks Solar Energy Center, Manatee County

	Preferred Site	**Three Creeks Solar Energy Center**
	County	**Manatee**
	Facility Acreage	**620**
	COD	**3/31/2024**
	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	Fallow cropland and some forested wetlands
	Adjacent Areas	Agricultural, low density residential, and conservation lands
f.	**General Environment Features On and In the Site Vicinity**	
1.	Natural Environment	Site is mostly fallow cropland with interspersed forested wetland.
2.	Listed Species	No adverse 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. .
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 onsite water resources will be used to meet water requirements.
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**	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**	USACE Section 404 Permit received: N/A FDEP Environmental Resources Permit (ERP) received: Pending


OLD
RAILROAD
TRAIL
JEEP
GRADE
24
25
30
19
23
6
BM
Three Creeks Solar Energy Center
Three Creeks Solar Energy Center
USGS Topography Map
St Petersburg
FPL

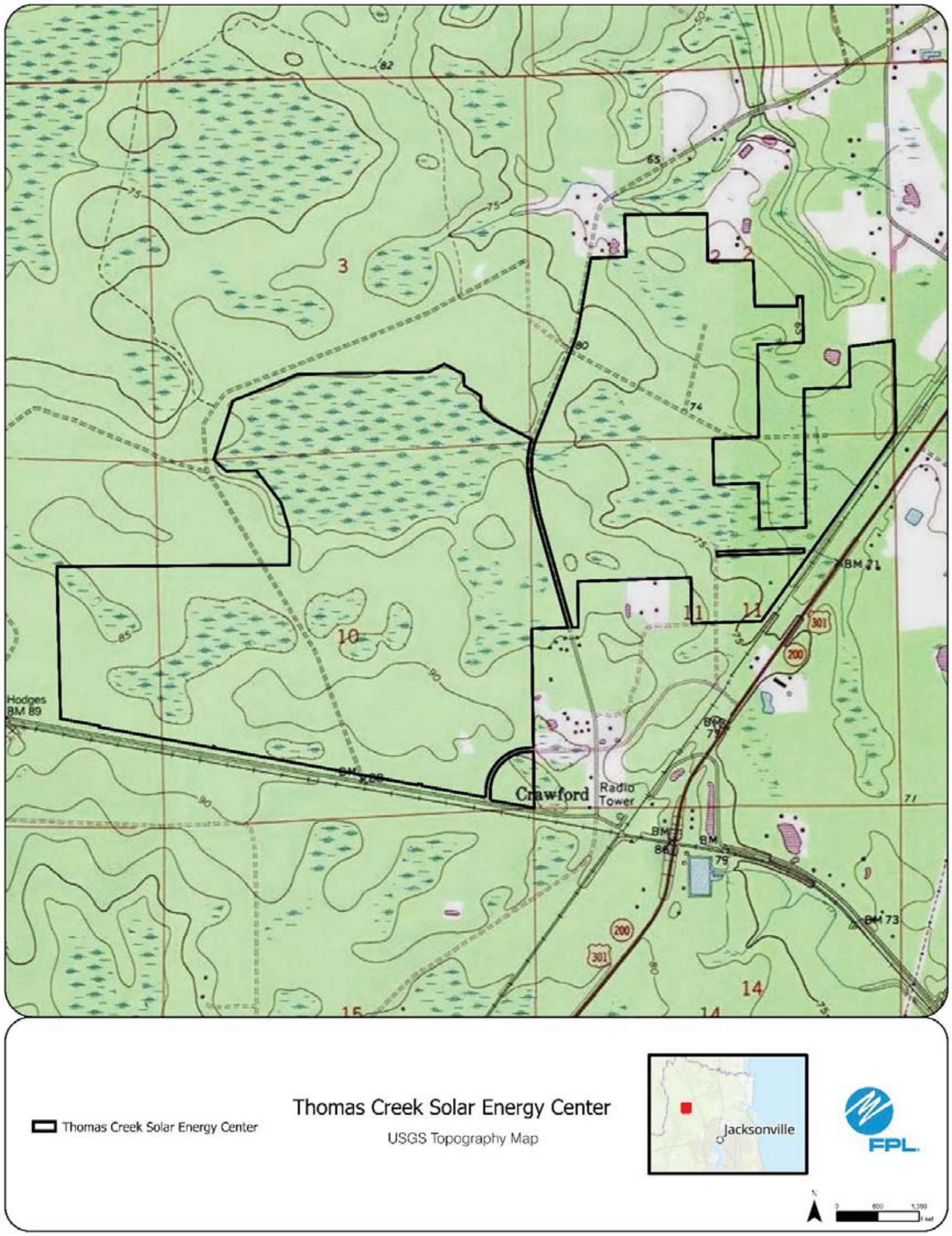

Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Three Creeks Solar Energy Center
Land Use/Land Cover
Tampa
St Petersburg
FPL
N

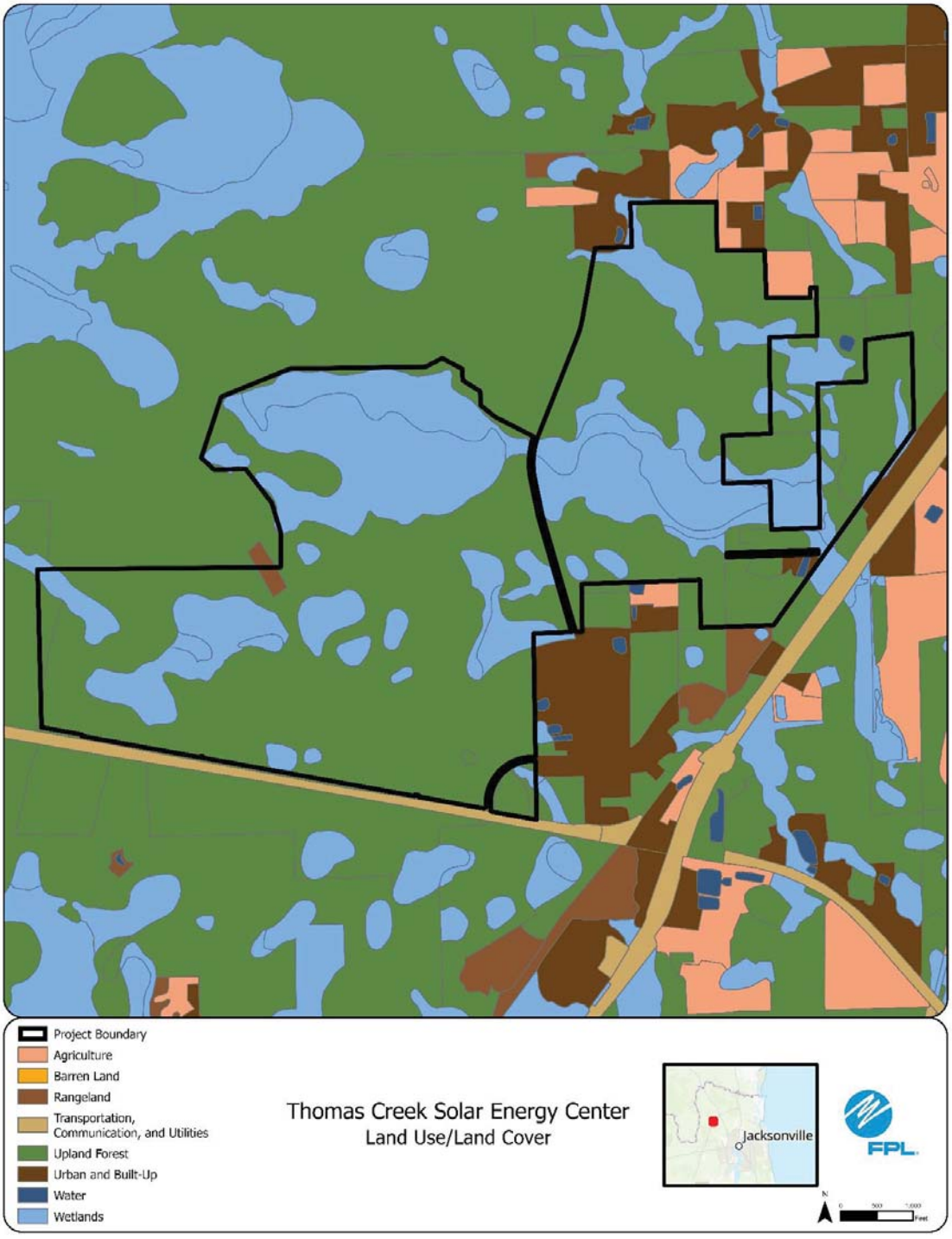

Three Creeks Solar Energy Center
Three Creeks Solar Energy Center
Facility Layout Map
St Petersburg
FPL

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

Preferred Site #33: Thomas Creek Solar Energy Center, Nassau County

	Preferred Site	Thomas Creek Solar Energy Center
	County	Nassau
	Facility Acreage	1106
	COD	3/31/2024
	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	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 onsite water resources will be used to meet water requirements.
k.	Geological Features of Site and Adjacent Areas	See Figure in the following pages. Site is located in the North 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	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	USACE Section 404 Permit received: N/A FDEP Environmental Resources Permit (ERP) received: Pending


3
10
11
11
14
15
Hodges
BM 89
BM 71
BM 73
Crawford
Radio
Tower
301
200
Thomas Creek Solar Energy Center
Thomas Creek Solar Energy Center
USGS Topography Map
Jacksonville
FPL

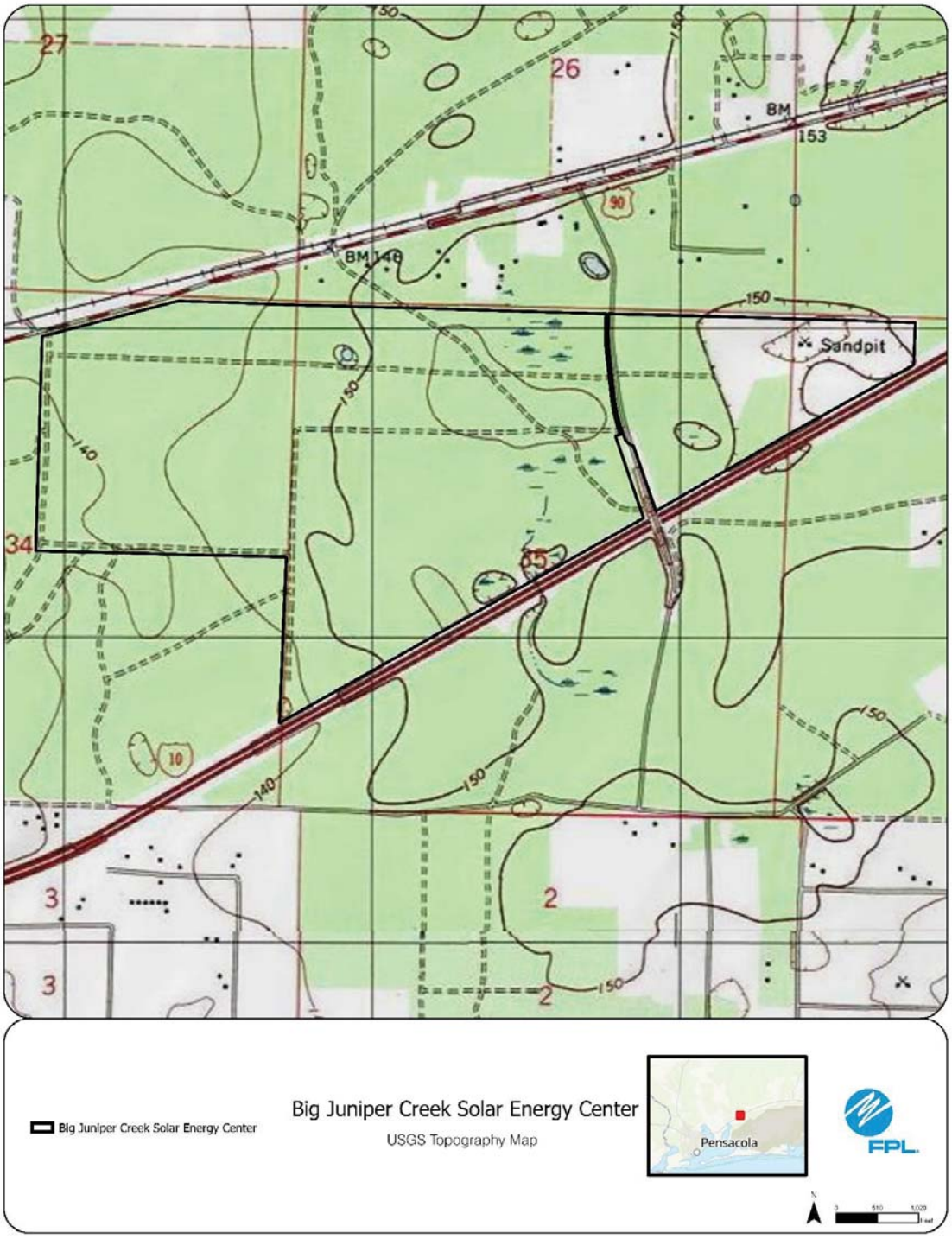

Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Thomas Creek Solar Energy Center
Land Use/Land Cover
Jacksonville
FPL

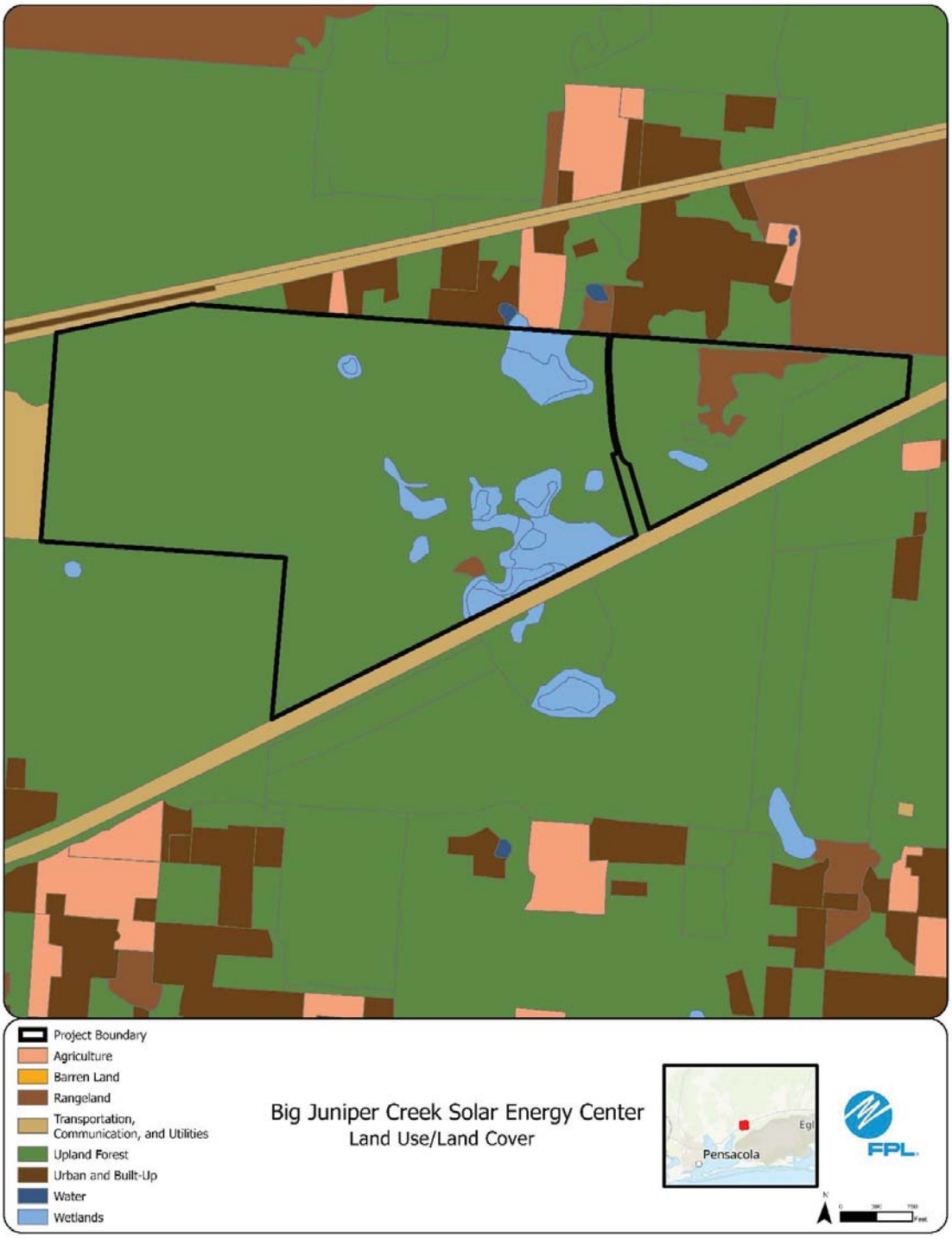

Thomas Creek Solar Energy Center
Thomas Creek Solar Energy Center
Facility Layout Map
Jacksonville
FPL

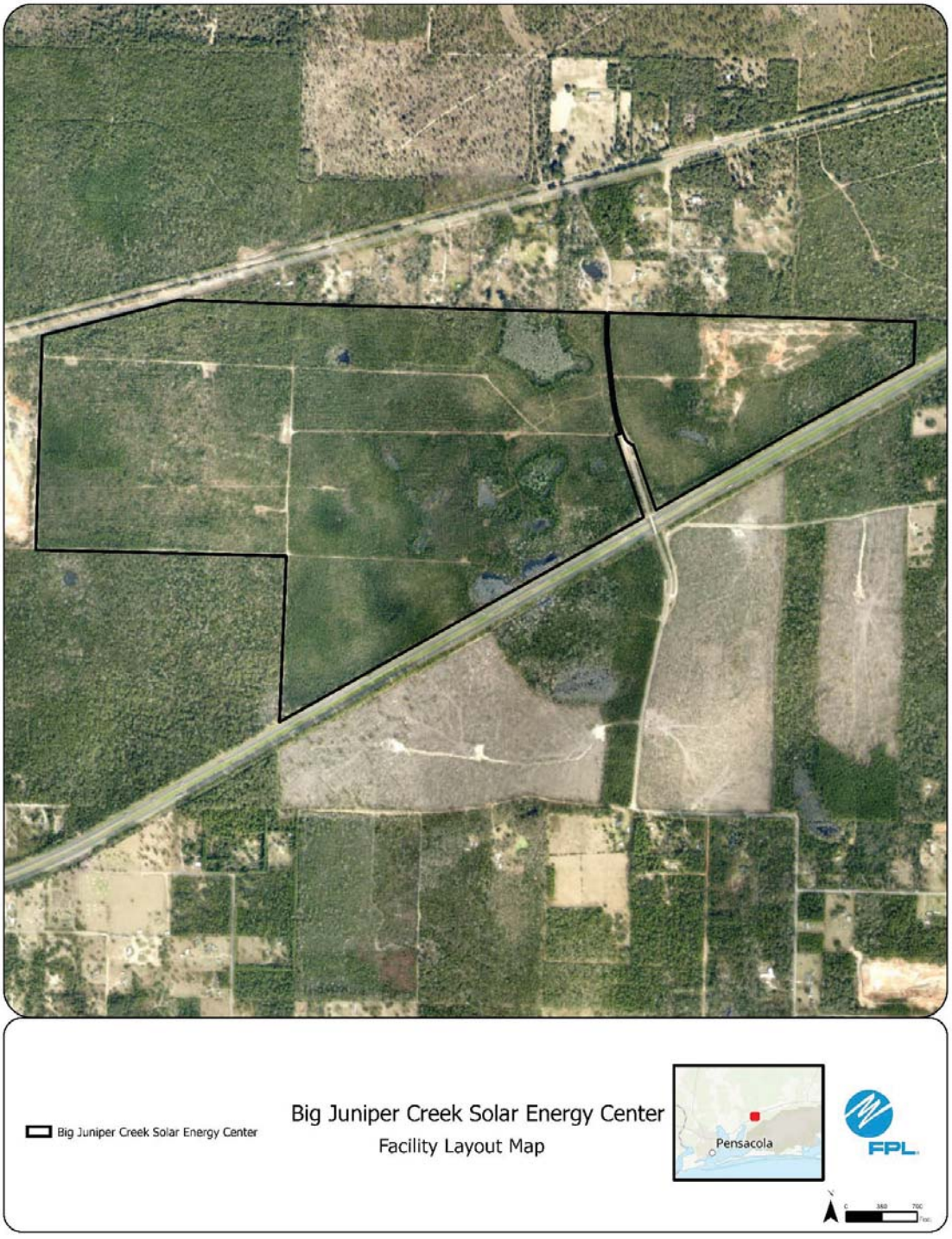
Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #34: Big Juniper Creek Solar Energy Center, Santa Rosa County

	Preferred Site	Big Juniper Creek Solar Energy Center
	County	Santa Rosa
	Facility Acreage	527
	COD	3/31/2024
	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	Silviculture
	Adjacent Areas	Pine plantation / Silviculture, Interstate to South.
f.	General Environment Features On and In the Site Vicinity	
1.	Natural Environment	The site is predominately silviculture use with existing access roads. Forested wetlands are primarily found within the southern interior of the site.
2.	Listed Species	A few GTs found during 15% survey.
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 fixed panel PV facility, on-site transmission substation, and site stormwater system. Mitigation for unavoidable impacts, if required, may occur through a combination of on- and off-site mitigation.
h.	Local Government Future Land Use Designations	Solar power generation is allowed within existing Agricultural land use designation.
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 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	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	ERP and 404 permit applications are expected. Not yet submitted. Possible FWC authorization for GT relocation will be needed. County Permit has not been submitted at this time.


27
26
BM
153
BM 148
150
Sandpit
140
34
35
10
3
2
Big Juniper Creek Solar Energy Center
Big Juniper Creek Solar Energy Center
USGS Topography Map
Pensacola
FPL

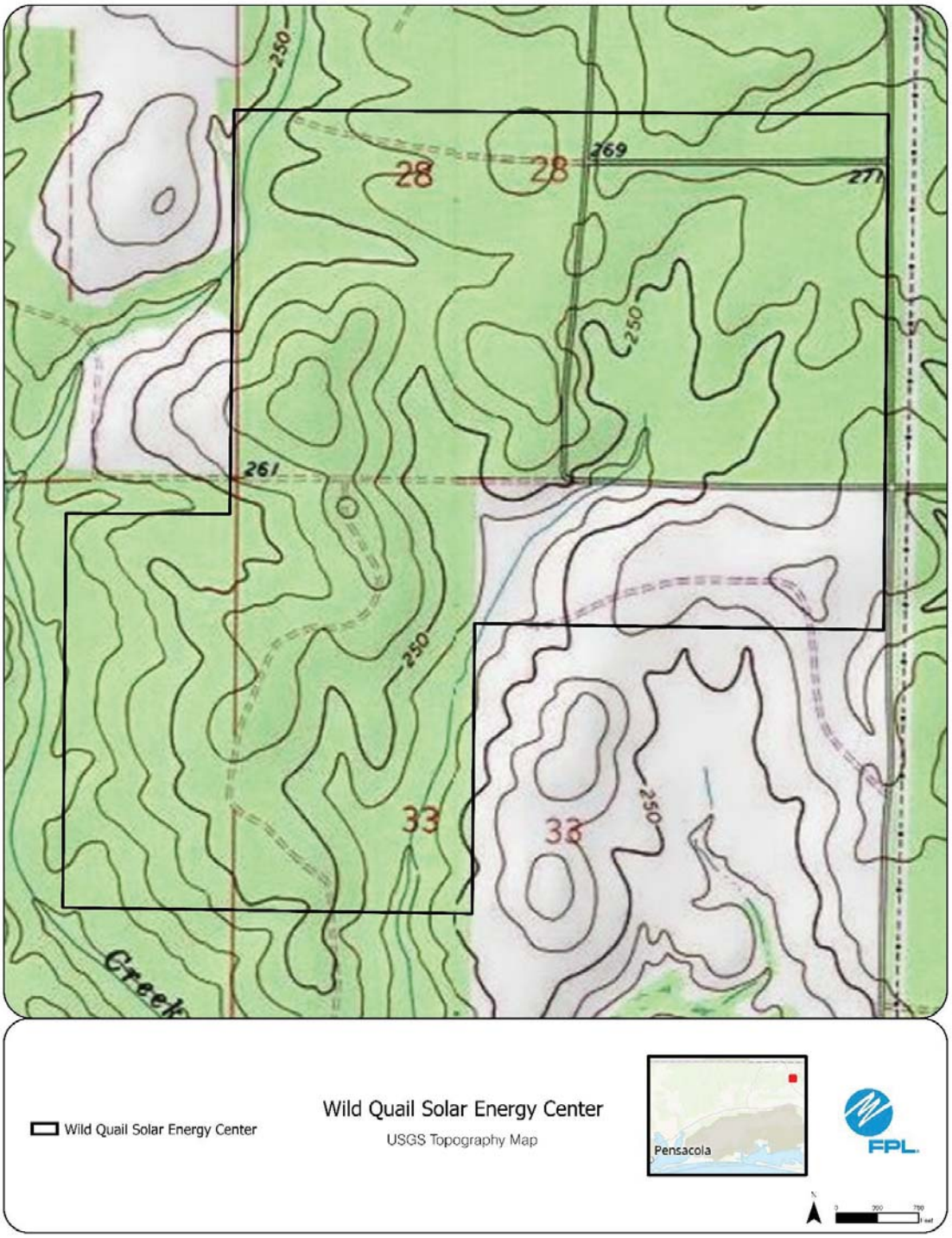

Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Big Juniper Creek Solar Energy Center
Land Use/Land Cover
Pensacola
FPL

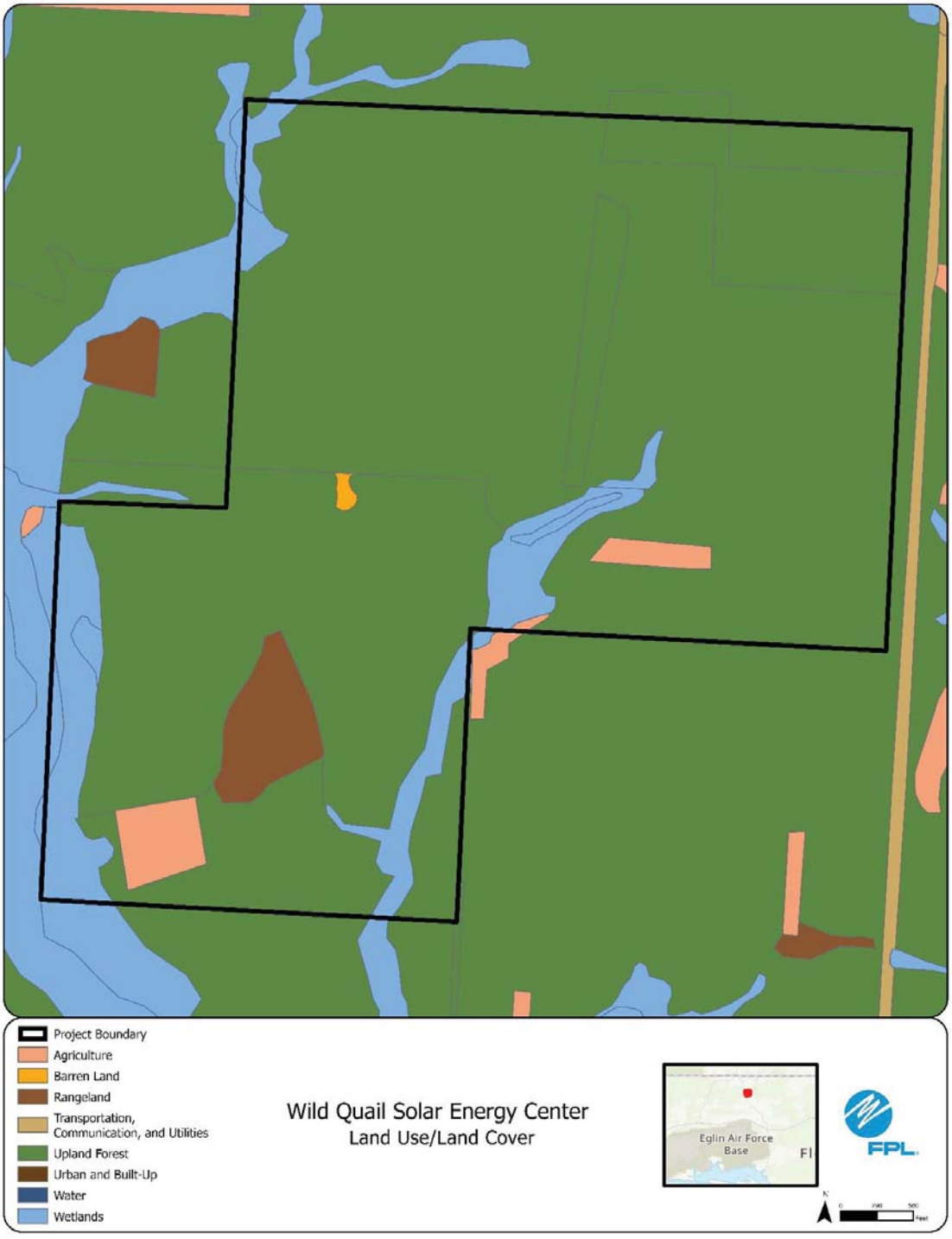

Big Juniper Creek Solar Energy Center
Big Juniper Creek Solar Energy Center
Facility Layout Map
Pensacola
FPL

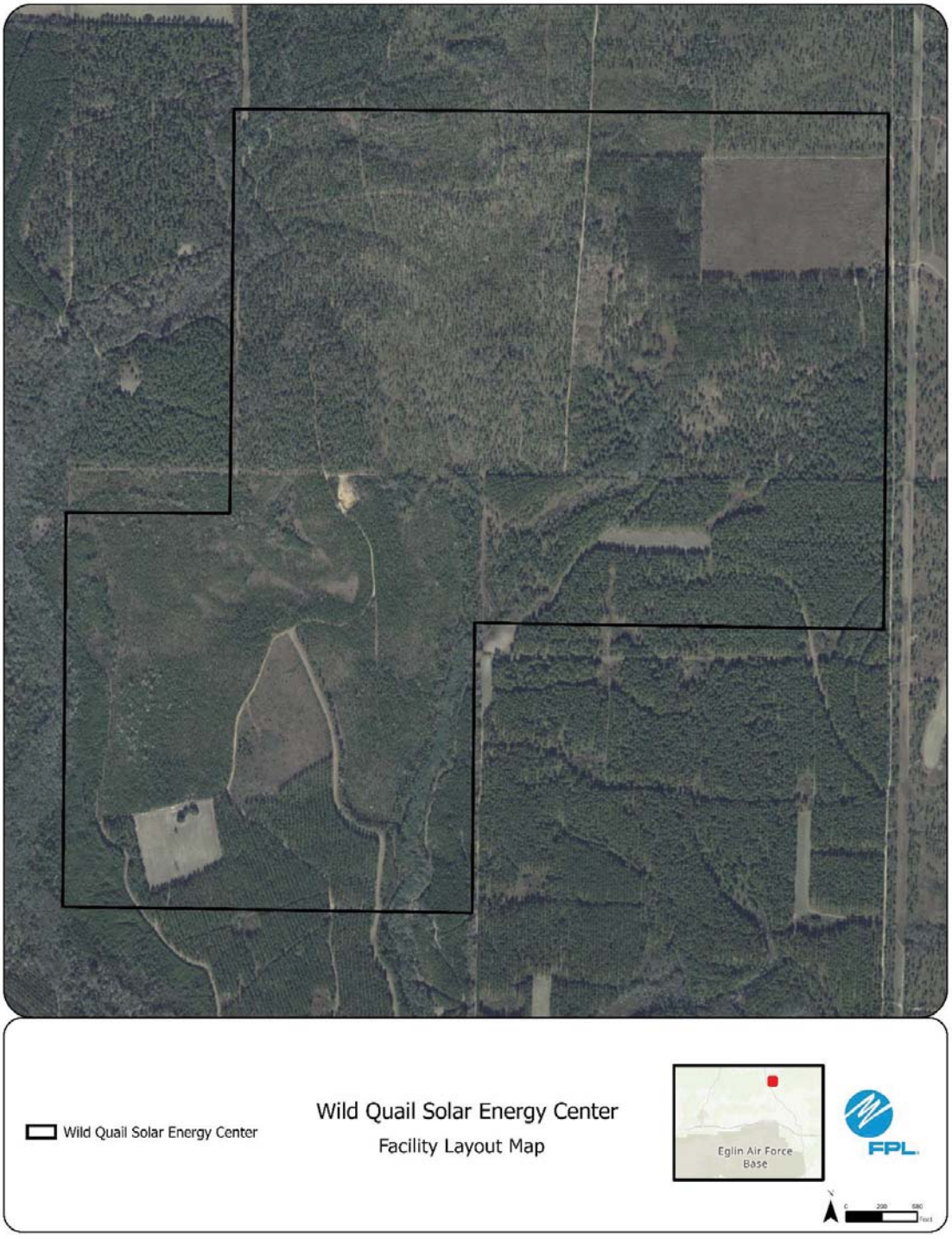
Site Description, Environmental, and Land Use Information: Supplemental Information

Preferred Site #35: Wild Quail Solar Energy Center, Walton County

	Preferred Site	**Wild Quail Solar Energy Center**
	County	**Walton**
	Facility Acreage	**750**
	COD	**3/31/2024**
	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	Silviculture
	Adjacent Areas	Forestry lands and other agriculture.
f.	**General Environment Features On and In the Site Vicinity**	
1.	Natural Environment	The site is predominately silviculture use with existing access roads.
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. Mitigation for unavoidable impacts, if required, may occur through off-site mitigation.
h.	**Local Government Future Land Use Designations**	Solar power generation is allowed within existing Agricultural land use designation.
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 will be used to meet water requirements, if a permit is pulled or water will 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 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**	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**	USACE 404 Permit received: TBD FDEP Environmental Resources Permit (ERP) received: TBD


250
269
271
28
28
250
261
250
33
33
250
Creek
Wild Quail Solar Energy Center
Wild Quail Solar Energy Center
USGS Topography Map
Pensacola
FPL
N

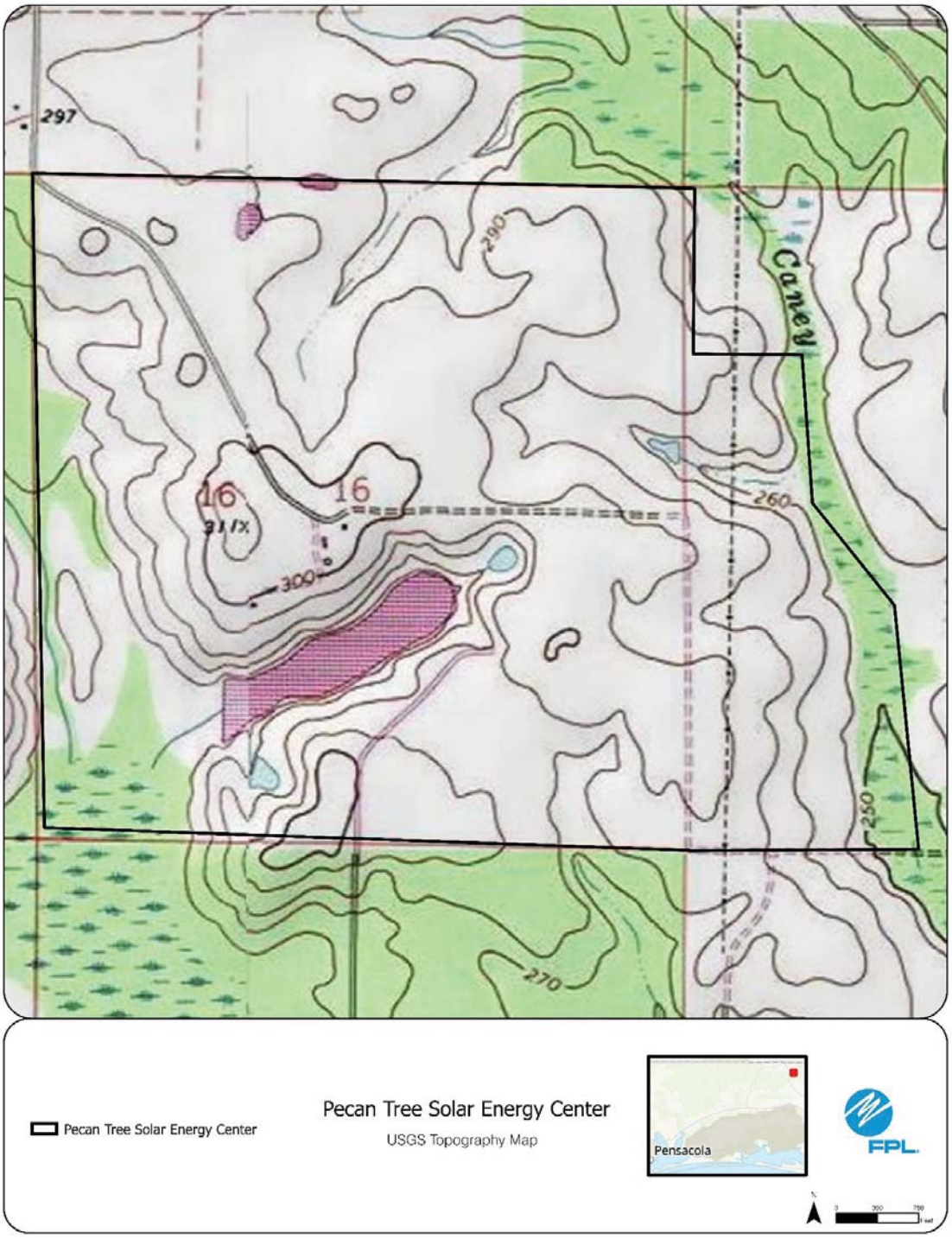

Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Wild Quail Solar Energy Center
Land Use/Land Cover
Eglin Air Force Base
FPL

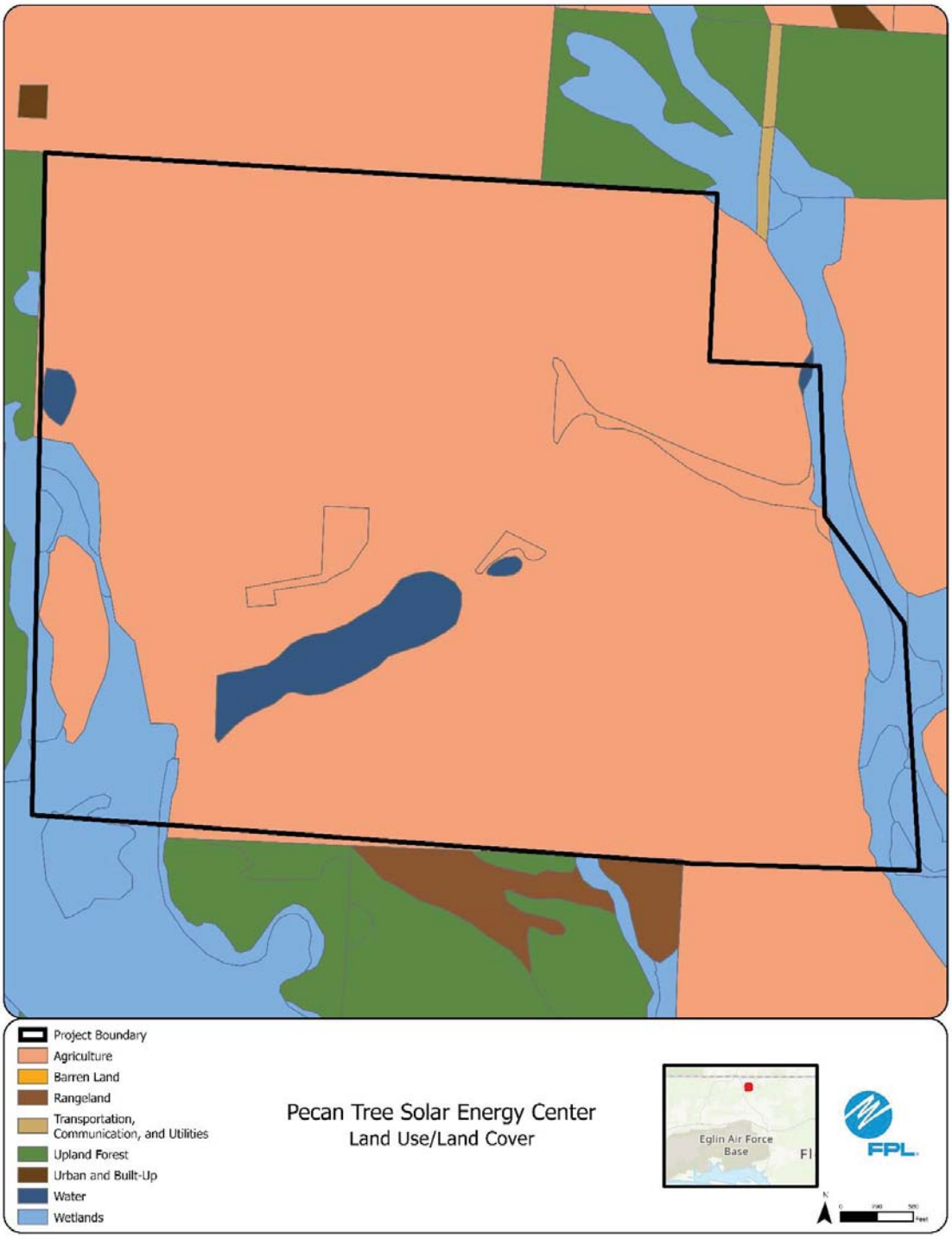

Wild Quail Solar Energy Center
Wild Quail Solar Energy Center
Facility Layout Map
Eglin Air Force Base
FPL

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

Preferred Site #36: Pecan Tree Solar Energy Center, Walton County

	Preferred Site	Pecan Tree Solar Energy Center
	County	**Walton**
	Facility Acreage	**762**
	COD	**3/31/2024**
	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
	Adjacent Areas	Pasture and other agricultural lands
f.	**General Environment Features On and In the Site Vicinity**	
1.	Natural Environment	Site is improved pasture with some interspersed forested and herbaceous wetlands.
2.	Listed Species	No adverse 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 power generation is allowed within existing Agricultural land use designation.
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 will be used to meet water requirements, if a permit is pulled or water will 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 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**	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**	USACE 404 Permit received: TBD FDEP Environmental Resources Permit (ERP) received: TBD


297
290
Caney
16
16
260
300
250
270
Pecan Tree Solar Energy Center
Pecan Tree Solar Energy Center
USGS Topography Map
Pensacola
FPL


Project Boundary
Agriculture
Barren Land
Rangeland
Transportation, Communication, and Utilities
Upland Forest
Urban and Built-Up
Water
Wetlands
Pecan Tree Solar Energy Center
Land Use/Land Cover
Eglin Air Force Base
FPL