

Onshore Export Cable

Parameter	South Corridor (preferred) through Indian River Bay	Corridor 1a South of Indian River Bay	Corridor 1b South of Indian River Bay	Corridor 1c South of Indian River Bay	Corridor 2 North of Rehoboth Bay
Length	10 miles	16 miles	16 miles	17 miles	17 miles
Practicable installation option	Yes	No Resistance to new utilities in ROW	No Resistance to new utilities in ROW	No Resistance to new utilities in ROW	No Resistance to new utilities in ROW
Ongoing protection of cables	Yes Burial 3-7 ft maintains protection of cables	No At risk due to other utility activity in ROW	No At risk due to other utility activity in ROW	No At risk due to other utility activity in ROW	No At risk due to other utility activity in ROW
Archeological/ cultural sensitivity	None – surveyed in 2022; evaluated in 2023	“Any undisturbed land [such as temporary construction footprint] were generally classified as locations of high or moderate archaeological sensitivity ”	“Any undisturbed land [such as temporary construction footprint] were generally classified as locations of high or moderate archaeological sensitivity ”	“Any undisturbed land [such as temporary construction footprint] were generally classified as locations of high or moderate archaeological sensitivity ”	“Any undisturbed land [such as temporary construction footprint] were generally classified as locations of high or moderate archaeological sensitivity ”
Federal/state channels or canals	Impacts avoided Avoids Indian River federal navigation channel, in areas of overlap cables to be buried 6 ft below maintenance depth	Impacts avoided HDD under Assawoman Canal	Impacts avoided HDD under Assawoman Canal	Impacts avoided HDD under Assawoman Canal	Impacts avoided HDD under Lewes and Rehoboth Canal
Water crossings	1 Indian River Bay	4 Assawoman Canal, Vines Creek, Blackwater Creek, unnamed tributary into Salt Pond	7 Assawoman Canal, Vines Creek, Blackwater Creek, unnamed tributary into Salt Pond, Herring Branch, Pepper Creek, Island Creek	32 Assawoman Canal, Blackwater Creek and Vines Creek, Herring Branch, Pepper Creek, Island Creek, unnamed creeks and retention ponds	8 Love Creek, Burton Pond, Lewes and Rehoboth Canal, Sarah Run, Unity Branch, Guinea Creek, Indian River, unnamed stream
Construction adjacent to wetlands	Impacts avoided HDD under wetlands	Potential for impacts during construction 3 miles	Potential for impacts during construction 4.7 miles	Potential for impacts during construction 5.8 miles	Potential for impacts during construction 2.4 miles
Socio- economics	Impacts avoided Avoid construction during recreation season; temporary impacts to bury cables	Impacts unavoidable Avoid construction during recreation season; significant traffic, business, and residential disruptions for road closures; interference with planned infrastructure upgrades	Impacts unavoidable Avoid construction during recreation season; significant traffic, business, and residential disruptions for road closures; interference with planned infrastructure upgrades	Impacts unavoidable Avoid construction during recreation season; significant traffic, business, and residential disruptions for road closures	Impacts unavoidable Avoid construction during recreation season; significant traffic, business, and residential disruptions for road closures; interference with planned infrastructure upgrades
Birds	Impacts avoided Avoid colonial waterbird nesting sites; avoid construction April 1-July 31	May not be feasible Avoid construction at water crossings April 16-July 31	May not be feasible Avoid construction at water crossings April 16-July 31	May not be feasible Avoid construction at water crossings April 16-July 31	May not be feasible Avoid construction at water crossings April 16-July 31
Fish/ Essential Fish Habitat	Impacts avoided Avoid in-water work March 1-September 30	May not be feasible Avoid drilling (HDD) March 1-September 30	May not be feasible Avoid drilling (HDD) March 1-September 30	May not be feasible Avoid drilling (HDD) March 1-September 30	May not be feasible Avoid drilling (HDD) March 1-September 30
State Natural Areas	Impacts avoided and minimized Indian River Bay Natural Area	Impacts avoided and minimized Vines Creek Natural Area	Impacts avoided and minimized Vines Creek Natural Area	Impacts avoided and minimized Vines Creek Natural Area	Impacts avoided and minimized Herring Creek Natural Area

Time of Year Restrictions/ Resource Impact Avoidance



Species	Prohibited Activity	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Beach Landfall													
Combined Seasonal Restriction													
Horseshoe Crab	HDD												
Bethany Beach Firefly	night lighting												
Seabeach Amaranth	dune work (trampling)												
Summer recreation season	work in 3R's parking lot												
Cables Through Indian River Bay													
Combined Seasonal Restriction													
Anadromous species (flounder)	in-water work												
American eel	in-water work												
Horseshoe Crab	in-water work												
Marsh-nesting birds	work under tidal marshes												
Summer recreation season	In-water work												
Substation Landfall													
Combined Seasonal Restriction													
Bats	tree clearing												
Mature forest habitat	tree clearing												

Other resource protections:

- HDD under beach, dunes, and wetlands at all locations along the routes
- Bury cables at a target depth of 6 feet along the route in IRB
- Confine construction of infrastructure for all 4 cables in two seasons to minimize disruption
- Dredging only in portions around previously-dredged federal navigation channel; bury cables at least 6 feet below channel maintenance depth
- Avoid Habitat of Particular Concern for Sand Tiger Shark

Indian River Bay Survey Work

Studies conducted in Indian River Bay as US Wind investigated options for optimal route

- 2016 geotechnical survey
- 2017 benthic survey and sediment testing
- 2022 LiDAR survey
- 2022 satellite data reconnaissance and review
- 2022 geophysical survey over 1,811 km (1,125 miles) of survey lines
- 2022 49 vibracores, 7 soil borings, 41 cone penetration tests
- 2022 benthic survey and shellfish density survey
- 2023 sediment testing

