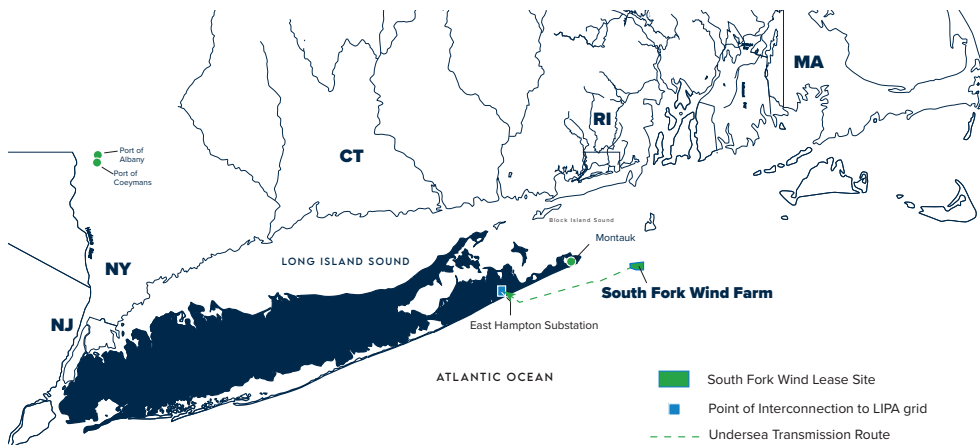


# SOUTH FORK WIND FARM FACT SHEET

**Innovation That Works:** America's First Commercial-Scale Offshore Wind Farm

South Fork Wind is a 12-turbine, 132 megawatt (MW) offshore wind farm powering 70,000 homes across Long Island, New York. Located 35 miles east of Montauk Point, the wind farm delivers power to the local substation in the Town of East Hampton through a series of transmission cable systems buried in the sea floor.

**Figure 1: South Fork Wind Interconnection Map**



## FAST FACTS

### Size

132 megawatts, 12 turbines

### Homes Powered

70,000

### Completion

March 2024

### Developer

Ørsted

### Contract Off-Taker

Long Island Power Authority

South Fork Wind was first approved by the Long Island Power Authority in 2017 to meet the growing electricity demands of Long Island's 'South Fork' – a peninsula in the southeastern section of Suffolk County on the South Shore of Long Island.

Following a comprehensive design, development, and permitting process, construction took two years to complete once the project's final approval was granted.

### Milestone Timeline



## American Manufacturing

The project features the country's first American-built offshore substation, constructed by Kiewit in Brownsville, Texas, and is the first offshore wind farm to use an American-made and -crewed service operations vessel, the ECO Edison, built by Edison Chouest in Houma, Louisiana.

In addition, South Fork Wind's export cable was made in South Carolina, its foundation components in Rhode Island, and the turbines' onshore assembly occurred in Connecticut.



## American Jobs

South Fork Wind has provided numerous economic benefits to the local economy, including creating nearly 1,000 jobs across New York and four other states, creating new business for local companies, supporting training programs, and more. It's providing clean, reliable, and affordable electricity and supporting the buildout of America's offshore wind industry.



## Wind Farm Production: Performing as Expected

***In its first year of operation, South Fork Wind has proven that offshore wind is a reliable and dependable energy source.***

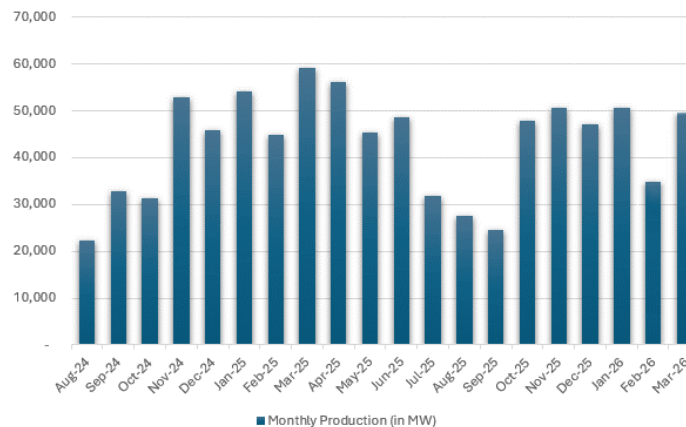
While wind patterns are seasonal and vary by geographical location, offshore wind energy production in New York is highest during the winter months, when winds are the strongest and most consistent. However, offshore wind turbines generate power almost all the time.

## Electric Grid Flexibility

Grid flexibility refers to the electricity grid's ability to adapt in real-time to changing conditions, including fluctuations in demand (how much energy is being consumed) and supply (how much energy is being generated), to maintain stable and reliable power. Even with the build-out of offshore wind, LIPA will remain dependent in the near term on some imports and local dispatchable resources for reliability, including fossil-fueled generation, to balance growing electric demand.

In the next decade, new technologies and clean fuels will be needed to replace the operational flexibility of fossil generation with Dispatchable Emission-Free Resources, such as long-duration battery energy storage, hydrogen, and carbon capture and sequestration.

**Figure 2: South Fork Wind Production**



**How much do customers pay each month for South Fork Wind?**

LIPA has a long-term agreement to purchase the energy produced from South Fork Wind. ~\$1.58 per month is the estimated net bill impact for a typical residential customer (i.e., the incremental cost).

**How often are wind turbines producing energy?**

A modern offshore wind farm, like South Fork Wind, produces electricity nearly all the time, but it generates different outputs depending on the wind speed. South Fork Wind’s technology produces maximum power at wind speeds of around 30 mph.

**What is the capacity factor?**

Capacity factor is a standard measure of power plant performance that compares average output over a given period with a facility’s maximum generating capability. For offshore wind, that percentage naturally varies by month based on seasonal wind conditions. As shown in the table below, South Fork Wind has delivered strong monthly performance, with capacity factors that demonstrate the project is operating as expected and producing meaningful energy output throughout the year.

**Figure 3: Capacity Factors**

Date	Total Monthly MWh Production	Cap Factor	Avg MWh
September-24	32,922	34.64%	46
October-24	31,266	31.84%	42
November-24	52,815	55.57%	73
December-24	45,764	46.60%	62
January-25	54,038	55.02%	73
February-25	44,978	50.71%	67
March-25	59,157	60.24%	80
April-25	56,153	59.08%	78
May-25	45,263	46.09%	63
June-25	48,664	51.20%	61
July-25	31,902	32.48%	43
August-25	27,689	28.19%	37
September-25	24,644	25.93%	34
October-25	47,816	48.69%	64
November-25	50,638	53.28%	70
December-25	46,993	47.85%	63
January-26	50,630	51.55%	68
February-26	34,555	38.96%	51
March-26	49,039	49.93%	66

For more information, visit [SouthForkWind.com](https://SouthForkWind.com).