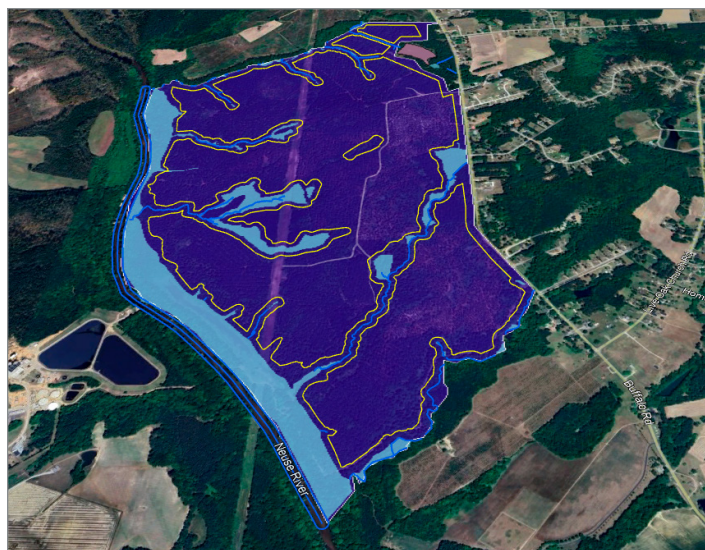


# Maple Leaf Solar Project



JUNE 2025

Capital Power obtained local zoning approvals, and we are starting construction of the 73-megawatt (“MW”) Maple Leaf Solar Project (“the Project”) in late May 2025. We are excited to bring the Maple Leaf Solar project online in the first quarter of 2027 and look forward to being part of your community.



Located on approximately 751 acres of privately-owned land in the Town of Selma, North Carolina, Capital Power’s Maple Leaf Solar project will consist of approximately 194,000 photovoltaic (PV) modules.

## Project Overview

Maple Leaf Solar will consist of approximately 194,000 ground-mounted photovoltaic (PV) modules mounted on a horizontal single-axis tracking system. The tracking system will automatically change the angle of the panels throughout the day as the sun passes from east to west allowing for the capture of the maximum amount of solar energy.

The First Solar Series 6 Plus modules are responsibly produced, ultra-low carbon thin film solar modules. The panels have an anti-reflective coating to eliminate glare and will also utilize bifacial PV panel technology, which absorbs light from the top and bottom of the panel resulting in increased efficiency and output.

The project will also require ~4.5 miles of access roads, ~29 inverter/transformer stations, underground medium voltage electrical collection system, 240kV substation and connection to Duke Energy Carolina (“DEC”) transmission system. The project will be enclosed with a chain link perimeter fence.

Vanguard Energy Partners, LLC (“Vanguard”) was selected as the Engineering, Procurement and Construction (“EPC”) contractor. Vanguard has extensive experience in the construction and project management of utility scale solar projects in the United States.

Once complete, Capital Power will operate Maple Leaf Solar under a 25-year Power Purchase Agreement with Duke Energy Progress, LLC.



## About Us

Capital Power (TSX: CPX) is a growth-oriented power producer. We prioritize delivering reliable and affordable power, building lower-carbon power systems, and creating balanced energy solutions for the communities we serve. Capital Power has approximately 4,600 MW of power generation capacity at 12 facilities in the United States, which include natural gas, wind and solar generation.

As a group of experts and innovators in our field, we work to responsibly deliver power to American communities through the development, acquisition, safe operation of renewable and thermal power generation facilities.

Our North American portfolio consists of approximately 10 gigawatts (“GW”) of power generation capacity at 30 facilities across North America.

Powering Change  
by Changing Power™





## Anticipated Construction Schedule

Project Timelines	
Activity	Timing
Substation Civil Work	May - July 2025
Construction Mobilization (Array)	September 2025
Post and Piling Installation	January - June 2026
Racking Installation	February - June 2026
Substation Construction	March - August 2026
Collector Cable Installation	March - August 2026
Solar Module Installation	February - June 2026
Inverter Installation	December 2025 - June 2026
Commissioning	September - December 2026
Anticipated COD (Commercial Operation Date)	Q1 2027

Local zoning approvals were obtained in May 2023. Vanguard will start to mobilize temporary construction trailers and equipment late this summer and equipment deliveries are expected to begin shortly afterward.

## Construction Traffic and Hours

Construction traffic will utilize Buffalo Road as the main access to the project site. Regular construction activities are scheduled from 7 am to 5 pm Monday to Friday, with occasional work on weekends. There will be approximately 35 personnel on site for the early civil construction activities and approximately 100 workers at peak construction.

## Solar Experience

We are experienced in the development, construction and operation of solar generation facilities. Capital Power completed the 15 MW Beaufort Solar facility in Chocowinity, North Carolina in 2015 and since then has completed an additional 116 MW of solar generation at two facilities located in Alberta, Canada.

We are currently constructing three solar projects in North Carolina, including Maple Leaf Solar. Combined they will provide a total generation capacity of ~180 MW of renewable energy that is targeted for completion in 2026 and 2027, respectively.

Project	Location	Capacity	Expected Completion
Hornet Solar	Gaston County and Lincoln County, NC	73 MW	Q3 2026
Bear Branch Solar	Stokes County, NC	35 MW	Q4 2026
Maple Leaf Solar	Town of Selma, NC	73 MW	Q1 2027

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