

# **Capital power energy storage project**



## Overview

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Capital Power and its partner Manulife are proposing a battery energy storage system (BESS) installation that would provide up to 120 megawatts (MW) of power storage, with electrical energy output for up to four-hours.

The Ontario Independent Electricity System Operator (IESO) has identified a significant need for new power supply in the province. At the system level, the IESO is projecting an.

The BESS will be located north of the existing YEC facility, on a separate parcel of land municipally referred to as 18815 Dufferin Street (44.0761, -79.5316), Township of King, Regional Municipality of York. The Project will encompass an area approximately 1.5 hectares.

The BESS will consist of interconnected, weather-proof enclosures containing numerous modular lithium-ion batteries that convert chemical.

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Located adjacent to the existing York Energy Centre (YEC) in the Township of King, the York Battery Energy Storage System (BESS) facility provides 120 MW of power storage capacity with electrical energy output for up to four hours. The York BESS is one of Capital Power's first-ever battery energy.

EDMONTON, Alberta – Capital Power Corporation (TSX: CPX) (“Capital Power”) is pleased to announce that its 120-MW York Battery Energy Storage System (“BESS”) and 50-MW Goreway BESS projects (“the projects”) have successfully achieved commercial operations. A leader of Ontario’s BESS development.

Located at the existing Goreway Power Station in Brampton, the Goreway Battery Energy Storage System (BESS) facility provides 50 MW of power storage capacity with electrical energy output for up to four hours. The

Goreway BESS is one of Capital Power's first-ever battery energy storage system.

EDMONTON, Alberta, Sept. 22, 2025 (GLOBE NEWSWIRE) -- Capital Power Corporation (TSX: CPX) ("Capital Power") is pleased to announce that its 120-MW York Battery Energy Storage System ("BESS") and 50-MW Goreway BESS projects ("the projects") have successfully achieved commercial operations. A leader.

Capital Power has announced commercial operations of its 120MW York battery energy storage system (BESS) and 50MW Goreway BESS projects in Ontario, Canada. Capital Power said it delivered both projects on time, under budget, and "with an excellent safety record." York and Goreway are Capital.

Capital Power Corporation has placed two new energy storage system projects in Ontario into commercial operations. Specifically, its 120-MW York Battery Energy Storage System (BESS) and its 50-MW Goreway BESS projects have achieved commercial operations. The projects are contracted until 2047 with.

## Capital power energy storage project

**12.8V 100Ah**



## Top 5 Largest Energy Storage Projects in Africa

With the energy transition currently underway in Africa, the rapid increase in energy production to meet both demand and emissions reduction ...

## Plus Power US\$1.8 billion deal 'driving storage into ...

Plus Power's recent Arizona and Texas battery storage mega-financing shows it "driving energy storage into the mainstream of capital ...



## CenterPoint Energy a part of new project to support ...

Nathan Brownell, vice president of resilience and capital delivery with CenterPoint Energy, talks about efforts to install underground power lines ...

## ENERGY STORAGE PROJECTS

ENERGY STORAGE PROJECTS Reaching Full Potential: LPO investments across energy storage technologies help ensure clean power is there when it's needed. The Department of ...



## China's role in scaling up energy storage investments

The large-scale development of energy storage technologies will address China's flexibility challenge in the power grid, enabling the high penetration of renewable sources. This ...

## York Battery Energy Storage System (BESS) Project

Battery Energy Storage System (BESS) Overview  
 BESS facilities help balance the electricity grid:  
 Charged when demand is low and feed electricity into the grid when ...



## Utility-Scale Battery Storage , Electricity , 2024 , ATB , NREL

The share of energy and power costs for batteries is assumed to be the same as that described in the Storage Futures Study (Augustine and Blair, 2021). The power and energy costs can be ...

## Aypa Power Acquires Energy Storage Projects in Indiana

Aypa Power, an energy storage company that develops, owns, and operates utility-scale energy storage and hybrid renewable energy ...



## Capital Power executes contracts for solar, natural ...

These announcements demonstrate the value of our balanced approach to net zero that supports the increase of renewable generation to ...

## European energy storage: a new multi-billion-dollar ...

How we produce and consume electricity is changing fundamentally. In Europe, the capacity of renewable energy sources is growing ...



## Energy Storage

South Africa's Department of Electricity and Energy has selected preferred bidders for six solar power and five battery storage projects under its latest clean energy procurement rounds.

## **Biggest projects in the energy storage industry in 2024**

Following similar pieces in 2022/23, we look at the biggest energy storage projects, lithium and non-lithium, that we've reported on in 2024.



### **Capital Power Corporation Commissions Two Battery Energy Storage Projects**

Capital Power Corporation announced that its 120-MW York Battery Energy Storage System ("BESS") and 50-MW Goreway BESS projects ("the projects") have ...



### **Strengthening Ontario's grid: Capital Power commissions two ...**

Capital Power York Energy Centre Team proudly showcases new BESS facility Capital Power's first-ever Battery Energy Storage projects (York BESS in the Township of King ...



### **Strengthening Ontario's grid: Capital Power commissions two ...**

As utility-scale BESS deployment rapidly expands worldwide, these projects reinforce Capital Power's position as a North American leader in the energy expansion, ...

## York Region's battery storage project powers up clean ...

The province has just broken ground on a cutting-edge battery storage project in York Energy Centre that promises to power up the region ...



## Energy Storage Financing: Project and Portfolio Valuation

ABSTRACT This study investigates the issues and challenges surrounding energy storage project and portfolio valuation and provide insights into improving visibility into the process for ...

## Lightshift Energy and KeyBanc Capital Markets Announce a \$75 ...

15 ???? ARLINGTON, Va., October 16, 2025--Lightshift Energy (Lightshift), a developer, owner and operator of battery energy storage projects across the U.S., and KeyBanc Capital ...



## Plans for \$2.4B carbon capture and storage project ...

Edmonton-based Capital Power Corp. says it is no longer pursuing its proposed \$2.4-billion carbon capture and storage project at its ...

## Capital Dynamics spins out solar and storage

Major US renewables investor Capital Dynamics has spun off its US clean energy infrastructure arm and merged it with its former asset management affiliate to create ...



## Lightshift Energy and KeyBanc Capital Markets Announce a \$75 ...

15 ???? Initial facility supports 6 operating projects and 10 projects entering construction, including Lightshift's project with GlobalFoundries to power semiconductor manufacturing ...



## Top five energy storage projects in Japan

Listed below are the five largest energy storage projects by capacity in Japan, according to GlobalData's power database. GlobalData uses proprietary data and analytics to ...

## York Region's battery storage project powers up clean energy

The province has just broken ground on a cutting-edge battery storage project in York Energy Centre that promises to power up the region with reliable, affordable, and clean ...



## Capital Power changes plans for east Windsor facility, ...

Plans for a Windsor power generation facility have shifted from adding battery storage to two new on-site natural gas turbines -- a \$200 ...

## Capital Power announces two successful bids in Ontario IESO's ...

The two successful submissions include Capital Power's York Battery Energy Storage System project (114 megawatt ("MW") contracted capacity) and its natural gas-fired ...



## Capital Power executes contracts for solar, natural gas and

Capital Power executes contracts for solar, natural gas and batteries and provides an update on the Genesee Repowering Project June 29, 2023 09:00 ET , Source: ...

## Strengthening Ontario's grid: Capital Power commissions two

Capital Power York Energy Centre Team proudly showcases new BESS facility Capital Power's first-ever Battery Energy Storage projects (York BESS in the Township of King ...



## Copia Power and Arizona Public Service (APS) Enter into 20-Year Power

Copia Power ("Copia") today announced the execution of two Power Purchase Agreements ("PPAs") with Arizona Public Service Company ("APS") for Phase I and Phase II ...

## Plus Power completes US\$1.8 billion financing for ...

Plus Power has completed US\$1.8 billion financing for its battery storage pipeline, including the largest for a standalone project to-date.



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