



INNOVATION FUND

Deployment of net-zero and innovative technologies

Beccs Stockholm: Bio-Energy Carbon Capture and Storage (BECCS) at the existing Combined Heat and Power-plant KVV8 at Värtaverket, Stockholm, Sweden

The Innovation Fund is 100% funded by the EU Emissions Trading System

| Project Factsheet

The Beccs Stockholm project will create a world-class, full-scale Bio-Energy Carbon Capture and Storage (BECCS) facility at its existing heat and power biomass plant in Stockholm. The project will combine CO₂ capture with heat recovery, making the process much more energy-efficient than the process in a usual CCS plant. It will capture and permanently store large quantities of CO₂ from biological sources, leading to carbon removals from the atmosphere, also called negative emissions. The Beccs Stockholm project has a potential to remove around 7.0 Mt CO₂e over the first ten years of operation. Net carbon removals are seen as an increasingly important technology-based solution to climate mitigation, indispensable to reach climate neutrality in 2050. The project will also be a catalyst for paving the way for a new market of net carbon removals. Besides the actual negative emissions achieved, the project will also

COORDINATOR

STOCKHOLM EXERGI AB

LOCATION

Sweden

CATEGORY

Energy Intensive industries / CO₂ capture for storage, full chain Carbon Capture and Storage (EEI / CCS)

SECTOR

Other

AMOUNT OF INNOVATION FUND GRANT

EUR 180,000,000

EXPECTED GHG EMISSIONS AVOIDANCE

7,834,149 tonnes CO₂ equivalent

STARTING DATE

01 July, 2021

ENTRY INTO OPERATION DATE

25 September, 2028

FINANCIAL CLOSE DATE

27 March, 2025

have a positive impact on the balance for renewable heat and electricity, resulting in

additional around 0,8 Mt CO2e over the same period.

| Beneficiaries

STOCKHOLM EXERGI AB

Sweden