

National Grid ESO
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25/11/2022

Dear Industry Colleagues,

RE: Results of B6 Constraint Management Pathfinder (2024/25)

The Electricity System Operator (ESO) published its Invitation to Tender (ITT) for the B6 Constraint Management Pathfinder (CMP) 2024/25 on Monday 8th August 2022, with the goal of connecting successful parties to an intertrip scheme above the B6 (SCOTEX) boundary.

This letter seeks to update all interested stakeholders on the outcome of the B6 CMP 2024/25.

Pathfinder Aim:

The B6 CMP 2024/25 contracts are part of the ESO's Constraint Management Pathfinder projects and will enable generation to continue running on the system, rather than being pre-emptively curtailed. Instead of paying constraint costs to turn off generation when there is the risk of a fault, the intertrip technology provides an option of allowing generation to continue for longer.

The aim of the B6 CMP 2024/25 is to reduce the cost of managing constraints on the system. When a constraint is identified, the ENCC will arm generators to be ready to reduce their output within 150ms in the event of a fault. This will enable additional generation to flow across the B6 boundary and reduce the costs of managing the B6 constraint boundary.

Pathfinder Outcome:

The project successfully awarded contracts to 15 generators, meeting the procurement requirement of 1.6GW available to be armed on the intertrip when there is a B6 constraint.

The successful parties will help to reduce network constraint costs across the B6 (SCOTEX) boundary from October 2024 through to September 2025 and the consumer savings during the service term are anticipated to be in the region of £70m (depending upon the generation background driving the constraint and system conditions).

The ESO would like to thank those who took the time to express an interest in and participate in the B6 CMP 2024/25 tender process. The commercial results of the tender process can be found in the Results Table published at the end of this letter.

Interim B6 CMP success:

The first B6 CMP tender (23/24) was awarded in November 2021. The implementation teams are working hard with the Scottish TOs to connect generators to the intertrip ahead of the Oct 2023 – Sept 2024 contract period.

Four generators already had operational intertrips in place, so these four contracts were able to start earlier than the B6 CMP 23/24 contract start date. These contracts went live in April 22 and in the first month saved

approximately 72 thousand tonnes of CO2 and furthermore, saved the consumer £30m in constraint costs over the first four months alone.

Further Information:

For further information relating to the above, please contact box.cmp@nationalgrideso.com.

The ESO would like to thank you once again for your continued interest in the Constraint Management Pathfinder tender events.

Yours sincerely,

Hannah Rochford

Senior Balancing Markets Development Officer

Name of Contracting Entity	Generating Unit Name(s)	Transmission Entry Capacity (TEC)	Arming Fee (£/MWh)	Tripping Fee (£/Per Trip)	Successful or Unsuccessful
Aikengall II Community Wind Company Ltd & Aikengall IIA Community Wind Company Ltd	Aikengall II Community Wind Farm & Aikengall IIA Community Wind Farm	145	£19.50	£305,819	Successful
Banks Renewables (Kype Muir) Ltd	Kype Muir Wind Farm	88.4	£30.00	£75,510	Unsuccessful
Banks Renewables (Middlemuir) Ltd	Middlemuir Wind Farm	51	£30.00	£48,640	Successful
EDF Energy Renewables Limited	Fallago Rig Windfarm Limited	144	£15.00	£1,570,000	Successful
EDF Energy Renewables Limited	Corriemollie Windfarm Limited	47.5	£15.00	£424,000	Successful
EDF Energy Renewables Limited	Dorenell Windfarm	177	£108.40	£1,028,000	Unsuccessful
Fred. Olsen Renewables Ltd	Crystal Rig 2 Wind Farm, Crystal Rig 3 Wind Farm, Crystal Rig 4 Wind Farm	200	£3.15	£30,874	Successful
RWE Renewables Ltd	Enoch Hill Windfarm	69	£30.00	£800,000	Unsuccessful
Scottishpower Renewables (UK) Limited	Whitelee I Windfarm & Whitelee II Windfarm	511	£13.69	£2,139,077	Successful
Scottishpower Renewables (UK) Limited	Blacklaw I Windfarm	118	£15.38	£328,205	Successful
Scottishpower Renewables (UK) Limited	Blacklaw II Windfarm	60	£15.55	£177,155	Successful
Scottishpower Renewables (UK) Limited	Harestanes Windfarm	125	£14.01	£483,595	Successful
Scottishpower Renewables (UK) Limited	Glen App Windfarm	32.2	£16.05	£106,621	Successful
SSE Renewables Limited	Griffin Wind Farm	188.6	£9.14	£591,467	Successful