

SSE's Green Bond reporting

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SSE's Green Bond Report 2023

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SSE has issued five green bonds, three with SSE plc as the issuer: €650m in July 2022, €650m Green Bond issued in September 2018 and its inaugural €600m Green Bond issued in September 2017 and two with Scottish Hydro Electric Transmission plc ("SHET") as the issuer: £500m in March 2021 and £350m in September 2019. This means that SSE continues to be one of the largest issuers of Green Bonds in the UK corporate sector.

SSE plc disposed 25% of its equity share in SHET to Ontario Teachers' Pension Plan Board on 30 September 2022. Considering SSE plc is still a majority shareholder this report captures SHET on a 100% basis. This approach matches how SHET's debt is reported in the SSE plc Group Annual Accounts and has been discussed and agreed with SSE's legal and finance advisors.

This report constitutes SSE's sixth annual Green Bond update to investors and covers the allocation of proceeds and

environmental impact from SSE's five Green Bonds in accordance with its Green Bond Frameworks 2017 and 2019 and the most recently updated version in March 2021. These frameworks can be found at https://www.sse.com/greenbond.

SSE's Tax and Treasury Committee, led by SSE's Finance Director, evaluated and selected eligible green projects for inclusion in its Green Bond Frameworks. These eligible projects were either under construction, completed in the 24 months up to the issuance of each green bond or due to be completed in the future. The main criteria for a project to be eligible within the Green Bond Frameworks was that it must make a positive environmental impact, support SSE's commitment to the ongoing reduction of the carbon intensity of its electricity generation and finally, support the United Nations Sustainable Development Goal 13 (to take urgent action to combat climate change and its impacts).



Directors' Statement on SSE plc Selected Green Bond Information

As the Directors of SSE plc "SSE" we confirm that we are solely responsible for the preparation of SSE's Selected Green Bond Information including this Directors' Statement and for reporting the Selected Green Bond Information in accordance with the reporting criteria set out on **sse.com/greenbond**.

We confirm, to the best of our knowledge and belief, that we have:

- designed, implemented and maintained internal controls and processes over information relevant to the measurement, evaluation and preparation of Selected Green Bond Information that is free from material misstatement, whether due to fraud or error;
- established objective reporting criteria for preparing and presenting the Selected Green Bond Information, including clear definition of the entity's organisational boundaries, and applied them consistently;
- presented information, including the reporting criteria, in a manner that provides relevant, complete, reliable, unbiased/ neutral, comparable and understandable information;
- reported the Selected Green Bond Information in accordance with the reporting criteria.

Rachel McEwen,

Chief Sustainability Officer

For and on behalf of the Board of Directors of SSE plc. 5 July 2023.

Allocation of proceeds

The proceeds from all five of SSE's Green Bonds were directly allocated to the refinancing of eligible green projects listed in the Green Bond Frameworks, and therefore fully employed at settlement.

Table 1 provides the details of SSE's five Green Bonds, including the total value allocated to eligible green projects in Sterling.

The proceeds of Green Bond 1 (issued in 2017) and Green Bond 2 (issued in 2018) have been allocated to refinancing of part of SSE's £1.3bn portfolio of eligible projects of onshore wind farms in the UK and Ireland and the Caithness-Moray HVDC (High Voltage Direct Current) connection which is part of SHET's large capital investment programme, as listed in SSE's Green Bond Framework 2017.

The proceeds of Green Bond 3 and Green Bond 4 have been allocated to refinancing part of SHET's large capital investment programme of eligible transmission network projects in the UK. The latest investments in transmission networks in the north of Scotland are primarily required to provide energy transportation between Scottish renewable generation supply and the UK electricity customer demand. On 30 September 2022, SSE completed a 25% minority interest disposal of the SSEN Transmission business to Ontario Teachers' Pension Plan Board. The reported actual capex and qualifying capacity has been disclosed at 100% considering SSE's majority shareholding.

For Green Bond 5 proceeds have been allocated to three SSE Renewables' onshore and offshore wind generation projects that are either under construction or have recently been completed. As listed in SSE's Green Bond Framework 2021, these involve: Seagreen offshore wind farm; Viking onshore wind farm; and, Gordonbush Extension onshore wind farm.

It is SSE's intention, where possible, to maintain a ratio of 1.2 to 1 of eligible green projects to total Green Bonds outstanding to ensure there is sufficient capacity for any future reallocation of proceeds in the event of an equity sale of an eligible green project.

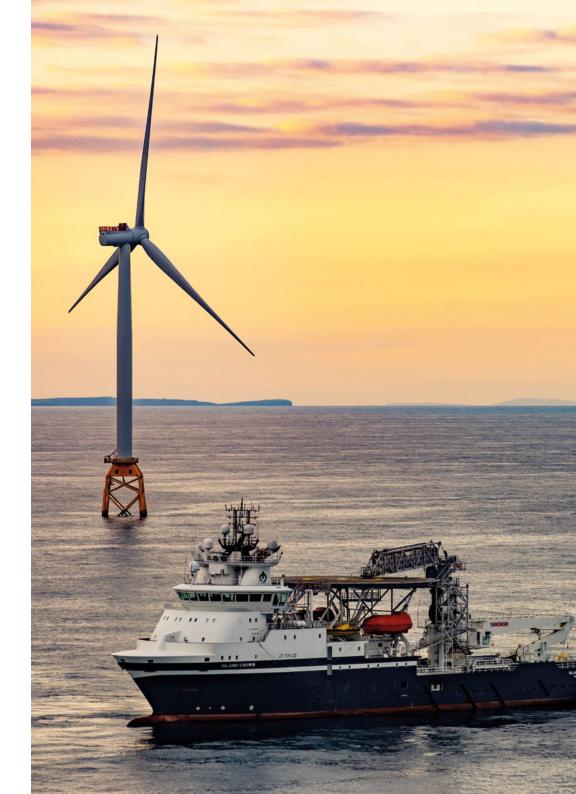


Table 1: SSE plc's Green Bonds

| | Green Bond 1 | Green Bond 2 | Green Bond 3 | Green Bond 4 | Green Bond 5 | |
|--|-------------------------------------|------------------|---------------------------------|-----------------------------|-----------------|--|
| Issuer | SSE plc | SSE plc | SHET | SHET | SSE plc | |
| Currency | EURO | EURO | GBP | GBP | EURO | |
| ISIN | XS1676952481 | XS1875284702 | XS2057092236 | XS2321663473/XS2322933495 | XS2510903862 | |
| Size | €600,000,000 | €650,000,000 | £350,000,000 | £500,000,000 (Dual Tranche) | €650,000,000 | |
| | | | | (£250,000,000 per tranche) | | |
| GBP:EUR conversion rate at settlement | 1.09404 | 1.0990 | N/A | N/A | 1.1950 | |
| GBP equivalent at settlement | ement £548,426,017.30 £591,446,676 | | £350,000,000 | £500,000,000 (Dual Tranche) | £543,933,054.39 | |
| Pricing date | Pricing date 30 August 2017 28 Augu | | 20 September 2019 17 March 2021 | | 25 July 2022 | |
| Settlement date 6 September 2017 4 Septe | | 4 September 2018 | 27 September 2019 | 24 March 2021 | 1 August 2022 | |
| Maturity date | 6 September 2025 | 4 September 2027 | 27 September 2035 | 24 March 2028/24 March 2036 | 1 August 2029 | |
| Coupon | 0.875% | 1.375% | 2.25% | 1.50%/2.125% | 2.875% | |

Environmental impact of SSE's Green Bonds

To report the environmental impact of the Green Bonds, SSE considers the impacts outlined below in relation to its onshore wind farm projects and transmission networks projects.

Onshore and offshore wind farm green projects: The

emissions associated with the production of electricity at a wind farm are assumed to be zero. The GHG Protocol for Project Accounting¹ states that for wind generation projects the primary effect of these projects is to reduce the combustion emissions from generating grid-connected electricity and that this should be used as the baseline or counterfactual. Therefore, SSE calculates the estimated qualifying emissions avoided by taking the financial year output (MWh) and multiples this by the UK grid carbon equivalent emission conversion factors to report the environmental impact of the projects. The criteria for Green Bond reporting is described at sse.com/ greenbond.

Transmission networks, Caithness-Moray: Caithness-Moray is a HVDC technology used to transmit power through 113km

of subsea cable beneath the Moray Firth seabed between the new converter stations at Spittal in Caithness and Blackhillock in Moray. For the Caithness-Moray transmission link, the environmental impact of the project refers to the 1,200MW² of capacity installed to transmit renewable power from the north of Scotland across the UK. The project has already facilitated the connection of 985MW of renewable generation to connect to the national grid. This includes turbines from Beatrice offshore wind farm (588MW capacity) and Dorenell onshore wind farm (117MW capacity on completion).

The project supports the additional connection of onshore renewable generation on the mainland as well as the Scottish Islands of the Western Isles, Orkney and Shetland.

Transmission networks, Scottish Hydro Electric

Transmission plc (SHET) projects: For the eligible transmission network projects used for allocating proceeds from Green Bond 3 and Green Bond 4, the environmental impact of the projects relates to 7,067.9MW (including

Caithness-Moray and Shetland transmission links) of capacity for renewable generation connections with a further 5,073.0MVA of new or upgraded transmission infrastructure to accept additional power from new renewable projects and to transmit that power from the north of Scotland to the appropriate regions in the UK.

These transmission projects will for example connect turbines from Stronelairg (228MW), Dorenell (117MW) and Kyllachy (48.5 MW) onshore wind farms and the Aberdeen Offshore wind farm (99MW).

Tables 2 to 6 detail the environmental impact from the green projects which the Green Bond proceeds were allocated to.

For all five Green Bonds, allocation of bond proceeds and environmental impact metrics were subject to external independent limited assurance by PricewaterhouseCoopers LLP ('PwC'). The assurance statement and the criteria used for reporting can be found at **sse.com/greenbond**.

1 GHG Protocol for Project Accounting: https://ghgprotocol.org/sites/default/files/standards/ghg_project_accounting.pdf 2 For this transmission link, the actual electricity transmitted is controlled by National Grid Electricity System Operator.

Green Bond 1 issued 2017

. . . .

| Type of eligible green project | Green Bond proceeds and green proceeds and green proceeds and green project | Total actual capex spend (£m) ** | financing eligible green proje Capacity fully operational (MW) */ Qualifying capacity (MW) ** | Cts for Green Bond Date fully operational | Allocation of Green Bond 1 proceeds (£m) | Qualifying output (GWh) ^{(1) (2)} | Estimated qualifying emissions avoided (tCO ₂ e) ^{(1) (2)} |
|---|---|--|--|---|--|--|--|
| Onshore wind farm | Strathy North | 102.9 | 67/67 | Nov 2015 | 102.9 | 117.7 | 22,761.2 |
| Onshore wind farm | Tievenameenta | 42.9 | 34/34 | Feb 2017 | 41.5 | 96.7 | 18,708.2 |
| Onshore wind farm | Comhlach Gaoithe Teoranta (Galway Wind Park) | 85.6 | 66/66 | Jun 2017 | 81.9 | 164.3 | 31,778.5 |
| Onshore wind farm | Dunmaglass | 88.9 | 94/47 | Aug 2017 | 88.9 | 151.3 | 29,257.2 |
| Onshore wind farm | Clyde Extension (part of Clyde Windfarm (Scotland) Limited) | 100.3 | 173/87 | Sep 2017 | 100.1 | 203.5 | 39,351.5 |
| Onshore wind farm | Bhlaraidh | 117.1 | 108/108 | Oct 2017 | 106.6 | 203.8 | 39,412.1 |
| Total contribution | Onshore wind farm project | 537.7 | 542/409 | | 521.9 | 937.4 | 181,268.7 |
| HDVC transmission connection ⁽³⁾ | Caithness-Moray transmission link ⁽⁴⁾ | 1,020.0 | 1,200/1,200 | Jan 2019 | 26.5 | - | - |
| Total contribution | Onshore wind farms and Caithness-Moray transmission link | 1,557.7 ^(A) | 1,742 ^(A) /1,609 ^(A) | | 548.4 ^(A) | 937.4 ^(A) | 181,268.7 ^(A) |

*Capacity fully operational reflects the total capacity of the project in MW.

**Reported actual capex and qualifying capacity reflect SSE's 50.1% ownership in Clyde Windfarm (Scotland) Limited and Dunmaglass wind farms.

(1) Reported qualifying output and estimated qualifying emissions avoided reflects SSE's 50.1% ownership in Dunmaglass and Clyde Windfarm (Scotland) Limited wind farms.

(2) Green Bond 1 qualifying output (GWh) and estimated qualifying emissions avoided (tCO₂e) for reporting period 1 April 2022 to 31 March 2023.

(3) For this transmission link, the actual electricity transmitted is controlled by National Grid Electricity System Operator.

(4) Caithness-Moray transmission link features in Green Bonds 1, 2 and 3 so the total capex spend for this project is included in tables 2, 3 and 4. The green impact of Caithness-Moray refers to the 1,200MW of capacity that transmits power from the north of Scotland across the UK. The project has already facilitated the connection of renewable generation to connect to the national grid. This includes the Beatrice offshore wind farm (588MW capacity on completion) and Dorenell onshore wind farm (117MW capacity on completion). The project supports the additional connection of onshore renewable generation on the mainland as well as the Scottish Islands of the Western Isles, Orkney and Shetland.

Green Bond 2 issued 2018

| Table 3: Allocation of Green I Type of eligible green project | Bond proceeds and green proj Eligible green project | ect impact to refin Total actual capex spend (£m) ** | ancing eligible green projects Capacity fully operational (MW) */ Qualifying capacity (MW) ** | for Green Bond 2 Date fully operational | 2. Allocation Green Bond 2 proceeds (£m) | Qualifying output (GWh) ⁽¹⁾⁽²⁾ | Estimated qualifying emissions avoided (tCO ₂ e) ^{(1) (2)} |
|--|--|---|--|---|---|---|--|
| Onshore wind farm | Leanamore | 30.8 | 18/18 | Feb 2018 | 30.8 | 56.0 | 10,830.6 |
| Onshore wind farm | Stronelairg | 147.6 | 228/114 | Dec 2018 | 147.6 | 338.3 | 65,421.5 |
| Total contribution | Onshore wind farm project | 178.4 | 246/132 | | 178.4 | 394.3 | 76,252.1 |
| HDVC Transmission connection ⁽³⁾ | Caithness-Moray transmission link ⁽⁴⁾ | 1,020.0 | 1,200/1,200 | Jan 2019 | 413.0 | - | - |
| Total contribution | Onshore wind farms and Caithness-Moray transmission link | 1,198.4 ^(A) | 1,446 ^(A) /1,332 ^(A) | | 591.4 ^(A) | 394.3 ^(A) | 76,252.1 ^(A) |

*Capacity fully operational reflects the total capacity of the project in MW.

**Reported actual capex and qualifying capacity reflect SSE's 50.1% ownership in Stronelairg wind farm.

(1) Reported qualifying output and estimated qualifying emissions avoided reflects SSE's 50.1% ownership in Stronelairg wind farm.

(2) Green Bond 2 qualifying output (GWh) and estimated qualifying emissions avoided (tCO2e) for reporting period 1 April 2022 to 31 March 2023.

(3) For this transmission link, the actual electricity transmitted is controlled by National Grid Electricity System Operator.

(4) Caithness-Moray transmission link features in Green Bonds 1, 2 and 3 so the total capex spend for this project is included in tables 2, 3 and 4. The green impact of Caithness-Moray refers to the 1,200MW of capacity that transmits power from the north of Scotland across the UK. The project has already facilitated the connection of renewable generation to connect to the national grid. This includes the Beatrice offshore wind farm (588MW capacity on completion) and Dorenell onshore wind farm (117MW capacity on completion). The project supports the additional connection of onshore renewable generation on the mainland as well as the Scottish Islands of the Western Isles, Orkney and Shetland.

Green Bond 3 issued 2019

Table 4: Allocation of Green Bond proceeds and green project impact to refinancing eligible green projects for Green Bond 3.

| SHET eligible green projects* | Energised ⁽¹⁾ | Total actual capex spend (£m) ⁽²⁾ | Qualifying project capacity ^{(3) (4)} | Allocation of Green Bond 3 proceeds (£m) |
|---|--------------------------|--|--|---|
| Caithness-Moray transmission link ⁽⁵⁾ | Jan 2019 | 1,020.0 | 1,200 MW | 107.0 |
| Connecting offshore transmission company projects | | | | |
| Moray Firth OTFO connection (New Deer) | May 2021 | 4.8 | 900MW | 3.1 |
| Connecting distribution projects | | | | |
| Rannoch GSP (Corrour Hydro) | Aug 2017 ⁽⁶⁾ | 5.1 | 5.5MW | 5.1 |
| Coupar Angus GSP (Tullymurdoch & Welton of Creuchies) | Aug 2017 | 9.4 | 31.7MW | 9.4 |
| Rothienorman GSP (Rothmaisie) | June 2021 | 0.2 | 90.1MW | 0.2 |
| Fort William GSP | Oct 2018 | 7.1 | 24MW | 7.1 |
| Connecting onshore renewable projects | | | | |
| Aberdeen Offshore wind farm | May 2018 | 14.1 | 99MW | 9.2 |
| Dorenell windfarm | Aug 2018 | 28.2 | 117MW | 28.2 |
| Stronelairg windfarm | Mar 2018 | 114.1 | 228MW | 90.2 |
| Beauly – Tomatin | Dec 2010 | 86.1 | 782MVA | 38.0 |
| Beauly – Tomatin (Boat of Garten Reconductoring) | Dec 2019 | 80.1 | 782MVA | 58.0 |
| Beauly to Keith OHL Replacement | June 2021 | 13.6 | 230MVA | 13.0 |
| Loch Buidhe to Dounreay 275kV | May 2020 | 3.9 | 167MVA | 3.9 |
| Rothienorman Substation & Rothienorman – Kintore Reconductoring | Aug 2021 | 4.0 | 580MVA | 4.0 |
| Fort Augustus 400/132kV | May 2022 | 6.1 | 960MVA | 6.1 |
| Fort William to Fort Augustus (FFE/FFW) | Sep 2019 | 43.5 | 220MVA | 23.8 |
| Fort William GSP Infrastructure | Oct 2018 | 1.7 | See Fort William GSP above | 1.7 |
| Total | | 1,361.9 ^(A) | 2,695.3MW ^(A) / 2,939.0MVA ^(A) | 350.0 ^(A) |

(1) Refers to the status of the project. Energised means the project is completed and a date of completion is provided.

(2) Actual capex spend to 31 March 2019.

(3) MW refers to the total installed capacity of new renewable (onshore and offshore renewable energy) generation projects that are connecting to the transmission network, and the power rating of new HVDC transmission systems (in this case the Caithness-Moray transmission link).

(4) MVA refers to the new or increased power rating of the new or upgraded transmission infrastructure needed to enable the power from new additional renewable energy to flow through the existing alternating current (AC) system. This infrastructure is not attributable to specific renewable energy projects.

(5) Caithness-Moray transmission link project features in Green Bonds 1, 2 and 3 so the total capex spend for this project is included in tables 2, 3 and 4. The green impact of Caithness-Moray refers to the 1,200MW of capacity that transmits power from the north of Scotland across the UK. The project has already facilitated the connection of renewable generation to connect to the national grid. This includes the recently connected turbines from Beatrice offshore wind farm (588MW capacity on completion) and Dorenell onshore wind farm (117MW capacity on completion). The project supports the additional connection of onshore renewable generation on the mainland as well as the Scottish Islands of the Western Isles, Orkney and Shetland.

(6) Rannoch GSP was energised in August 2017, there was minor construction work ongoing until March 2019 and therefore the completion date of the project was March 2019.

* For the pipeline of SHET projects, the green impact for this report relates to 2,695.3MW (including Caithness-Moray transmission link) of capacity for renewable generation connections with a further 2,939.0MVA of new or upgraded transmission infrastructure to accept additional power from new renewable projects and to transmit that power from the north of Scotland to the appropriate regions in the UK. These transmission projects will for example connect turbines from Dorenell onshore wind farm (117MW capacity on completion), Stronelairg onshore wind farm (228MW capacity) and Aberdeen Offshore wind farm (99MW).

Green Bond 4 issued 2021

Table 5: Allocation of Green Bond proceeds and green project impact to refinancing eligible green projects for Green Bond 4.

| SHET eligible green projects* | Construction/ Energised ⁽¹⁾ | Total actual capex spend (£m) ⁽²⁾ | Qualifying project capacity ^{(3) (4)} | Allocation of Green Bond 4 proceeds (£m) |
|---|--|---|--|---|
| Connecting offshore transmission company projects | | | | • • |
| Moray Firth OTFO connection (New Deer) | May 2021 | 32.7 | 900MW | 32.7 |
| Connecting distribution projects | | | | |
| Rothienorman GSP (Rothmaisie) | June 2021 | 8.6 | 90.1MW | 8.6 |
| Connecting onshore renewable projects | | | | |
| Dorenell windfarm | Aug 2018 | 0.4 | 117MW | 0.4 |
| Stronelairg windfarm | Mar 2018 | 16.2 | 228MW | 16.2 |
| Beauly – Tomatin | Dec 2019 | 29.7 | 782MVA | 29.7 |
| Beauly — Tomatin (Boat of Garten Reconductoring) | Dec 2019 | 23.7 | 702MWA | 23.1 |
| Beauly to Keith OHL Replacement | June 2021 | 17.3 | 230MVA | 17.3 |
| och Buidhe to Dounreay 275kV | May 2020 | 17.7 | 167MVA | 17.7 |
| Rothienorman Substation & Rothienorman — Kintore Reconductoring | Aug 2021 | 60.4 | 580MVA | 60.4 |
| Fort Augustus 400/132kV | May 2022 | 51.5 | 960MVA | 51.5 |
| Fort William to Fort Augustus (FFE/FFW) | Sep 2019 | 17.0 | 220MVA | 17.0 |
| Kyllachy windfarm (transformer and | | <i></i> | | <i></i> |
| DHL infrastructure (TCA and H1) | April 2021 | 6.1 | 48.5MW | 6.1 |
| airg to Loch Buidhe OHL | June 2022 | 27.9 | 607MVA | 27.9 |
| Carradale GSP reinforcement (TCA) | Oct 2022 | 8.3 | 39.1MW | 8.3 |
| Keith to Blackhillock 132kV | Oct 2020 | 15.8 | 87MVA | 15.8 |
| Connecting offshore renewable projects | | | | |
| Tealing 275kV Busbar East Coast | Dec 2021 | 33.4 | 1,075MW | 33.4 |
| Shetland HVDC | Due July 2024 | 125.7 | 600MW | 125.7 |
| Connecting onshore/ offshore renewable projects | | | | |
| Tealing PST (ECU2) | Due Oct 2023 | 4.3 | | 4.3 |
| Alyth | Due Oct 2023 | 5.3 | 610MW | 5.3 |
| VE400 upgrades | Due Oct 2023 | 19.4 | 1,440MVA | 19.4 |
| astern subsea HVDC link | Due Oct 2029 | 2.3 | 2,000MW | 2.3 |
| Total | | 500.0 ^(A) | 5,707.7MW ^(A) / 5,073.0MVA ^(A) | 500.0 ^(A) |

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(1) Refers to the status of the project. Construction means the project is still in construction and a due date for project completion is given and energised means the project is completed and a date of completion is provided. (2) Actual capex spend from 1 April 2020 to 31 March 2021.

(3) MW refers to the total installed capacity of new renewable (onshore and offshore renewable energy) generation projects that are connecting to the transmission network, and the power rating of new HVDC transmission systems (in this case the Eastern subsea HVDC link).

(4) MVA refers to the new or increased power rating of the new or upgraded transmission infrastructure needed to enable the power from new additional renewable energy to flow through the existing alternating current (AC) system. This infrastructure is not attributable to specific renewable energy projects.

* For the pipeline of SHET projects, the green impact for this report relates to 5,707.7MW (including Shetland transmission link) of capacity for renewable generation connections with a further 5,073.0MVA of new or upgraded transmission infrastructure to accept additional power from new renewable projects and to transmit that power from the north of Scotland to the appropriate regions in the UK. These transmission projects will for example connect turbines from Kyllachy (48.5 MW) and Stronelairg (228MW) onshore wind farms.



Green Bond 5 issued 2022

Table 6: Allocation of Green Bond proceeds and green project impact to refinancing eligible green projects for Green Bond 5.

| Type of eligible green project | Eligible green project | Total actual capex spend (£m) ⁽³⁾ | Capacity fully operational (MW) */ Qualifying capacity (MW) ** | Date fully operational | Allocation Green Bond 5 proceeds (£m) | Qualifying output (GWh) ⁽¹⁾⁽²⁾ | Estimated qualifying emissions avoided (tCO ₂ e) ^{(1) (2)} |
|--------------------------------|---|--|--|---------------------------|---|---|---|
| Onshore wind farm | Viking | 166.0 | 443/ 443 | Due Aug 2024 | 166.0 | 0.0 | 0.0 |
| Onshore wind farm | Gordonbush Extension | 37.2 | 38/38 | Aug 2021 | 37.2 | 64.3 | 12,430.1 |
| Offshore wind farm | Seagreen 1 (49.0%) | 477.2 | 1,075/ 527 | Due Aug 2023 | 340.7 | 345.3 | 66,768.7 |
| Total contribution | Onshore and offshore wind farm project | 680.4 ^(A) | 1,556 ^(A) / 1,008 ^(A) | | 543.9 ^(A) | 409.6 ^(A) | 79,198.8 ^(A) |

*Capacity fully operational reflects the total capacity of the project in MW.

**Reported actual capex and qualifying capacity reflecting SSE's 49.0% ownership in Seagreen 1 wind farm.

Reported qualifying output and estimated qualifying emissions avoided reflects SSE's 49.0% ownership in Seagreen 1 wind farm.
Green Bond 5 qualifying output (GWh) and estimated qualifying emissions avoided (tCO2e) for reporting period 1 April 2022 to 31 March 2023.
Actual capex spend from 1 April 2020 to 31 March 2022.

To discuss the content of this report, please get in touch:

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