

# POOLBEG BESS ISLE OF MAN



What will ESB's Poolbeg site be able to do? The Poolbeg site, the location of ESB's 75MW BESS, is pegged to host a combination of clean energy technologies, including offshore wind, hydrogen, and battery storage, over the coming decade. Both Ireland and Northern Ireland have set the target of generating 80% of the nation's electricity from renewable sources.



Is Poolbeg the EU's largest battery energy storage system? The 75MW/150MWh battery in Poolbeg is to be the EU's largest battery energy storage system (BESS) project by energy capacity, the companies said. A second 30MW/60MWh asset is also to be developed at South Wall, with both batteries to be developed at existing ESB plants.



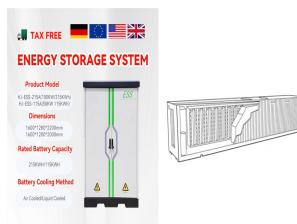
Who inaugurated Poolbeg BESS? Eamon Ryan (centre) cuts the ribbon to inaugurate the 75MW/150MWh Poolbeg BESS, flanked by ESB's Jim Dollard (left) and Fluence's SVP and EMEA president Paul McCusker. Images: Fluence via LinkedIn.



Reg. No. P0577-03), for Poolbeg Generating Station for an additional 75 MWe (electrical output) aero derivative gas fired turbine for the generation of electricity to be referenced as "Poolbeg FlexGen" and a 75 MW battery energy storage system to be referenced as "Poolbeg BESS".



A 75MW/150MWh BESS project in Poolbeg, in the Republic of Ireland's capital Dublin. It was inaugurated earlier this year and is owned by ESB Network's parent group ESB. Image: ESB. The energy storage market in Ireland continues to show strong growth potential. While still in the early stages of site construction, new additions are now



Ireland inaugurated the country's "largest" grid-scale battery energy storage facility, located in Poolbeg Energy Hub. The 75 MW/150 MWh BESS is aimed at enhancing grid stability and facilitating greater integration of renewable energy sources.

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The Isle of Man (Manx: Mannin, also Ellan Vannin [E?E?IE2an E?vanEanE2]) or Mann (/ m ae n / man), [11] is a self-governing British Crown Dependency in the Irish Sea, between Great Britain and Ireland is one of the Celtic nations and is the homeland of the Manx people, a Celtic ethnic group. As head of state, Charles III holds the title Lord of Mann and is represented by a Lieutenant Governor.



Irishtown Nature Park is a small man-made park between Irishtown and Sandymount Strand in Dublin 4, Ireland that offers several kilometres of walking trails along the Poolbeg Peninsula. Irishtown Nature Park is situated 700 metres west of Shellybanks 220kV AIS Substation.



The Business Emissions Savings Scheme is a revised version of the Business Energy Savings Scheme and be launched on the first of October. So the scheme aims to help businesses become more a?



A 75MW/150MWh BESS project in Poolbeg, in the Republic of Ireland's capital Dublin. It was inaugurated earlier this year and is owned by ESB Network's parent group ESB. storage available from different energy storage assets. This figure includes 731.5MW of battery energy storage system (BESS) projects and 292MW from Turlough Hill pumped



Figure 1.1: Buildings to be demolished at Poolbeg BESS (Drawing No: QP-000033-02-P460-004-001-001) 1 Figure 2.1: Significance of effect matrix 8 Figure 4.1: Extract from Phillips (1685). Poole Beg indicated on centre bottom 23 Figure 4.2: Extract from Price (1730) indicating location of Green Patch and completed

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ing suppliers and integrated by MAN. MAN PrimeServ provides support across the full asset life cycle and optimizes the value of the BESS. PrimeServ Digital Services offers remote monitoring and real time visualization of operations and helps our customers to optimize their assets. Configurations MAN BESS is available as a stand-



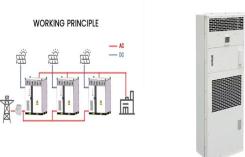
Experience the iconic Poolbeg Towers like never before - now on your dinner table! These charming salt & pepper shakers, inspired by Dublin's famous chimneys, make seasoning effortless while adding a touch of character to your dining experience. A must-have for any food lover with a sense of humor. Hand-crafted wi



It is located at Poolbeg Energy Hub, where ESB a?? around 95% owned by the Irish state with the remaining stake held by its employees a?? is planning to deploy a combination of clean energy technologies, including a?|



**PROJECT DESCRIPTION** Kirby was responsible for the design and build of the electrical system associated with the 75MW Poolbeg Battery Energy Storage System (BESS) Plant connecting to the Eirgrid 220kV system via the Poolbeg 220kV substation. The scope of works included electrical and civil works associated with the electrical balance of plant, including design, a?|



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This latest battery energy storage system (BESS), currently the largest site of its kind in commercial operation in Ireland, is part of ESB's pipeline of projects which are being delivered at sites in Dublin and Cork a?? representing an investment of up to a?1300m. The location of this project, at our Poolbeg Energy Hub, will build on our



Isle of Man passenger ship, Lady of Mann, passes behind Poolbeg Lighthouse in 2004. The lighthouse, one of a formation of three, is located on the Great South Wall (South Bull Wall), at the Port of Dublin, which extends from Ringsend's Poolbeg peninsula nearly four miles out into Dublin Bay. The wall was the world's longest at the time of its building, and remains one of the longest a?]



3 Proposed BESS Site The proposed BESS site is located entirely within the boundary of the existing ESB owned Poolbeg Generating Station in Dublin City (see . Figure 3-1). The site is located in East Dublin along the Poolbeg Peninsula at the eastern end of Pigeon House Road. The site is located at GPS coordinates 53.3395, -6.1897.



OVERVIEW Source Civil was appointed civils contractor in the construction of the 75MW Poolbeg Battery Energy Storage System (BESS) Plant connecting to the Eirgrid 220kV system via the Poolbeg 220kV substation. The scope of works included civil works associated with the electrical balance of plant, including all civil works for all the BESS equipment. A [a?]]



Mott MacDonald I Assessment of Four ESB Projects (FlexGen & BESS), Poolbeg Peninsula Environmental Impact Assessment Report (EIAR) forecast that on an all-island basis the growth in energy demand over the period up to 2028 varies between 18% in the low demand scenario, to 41% in the high scenario. In the Ireland

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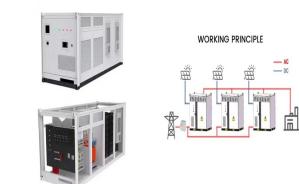
FlexGen or to amend the current Poolbeg GHG Permit to take account for the proposed Poolbeg FlexGen. 1.3 Proposed Poolbeg BESS There are no licenced air emissions associated with the operation of Poolbeg BESS. 2. Noise 2.1 Existing Poolbeg CCGT There are emission limits in relation to noise set out in Poolbegs IE licence. However, monitoring was



Poolbeg BESS Visual Impact Assessment The following appendix should be read in conjunction with Chapter 10 Landscape & Visual of the ESB Poolbeg Peninsula Project EIAR, in particular Section 10.6.2 Poolbeg BESS Operational Effects. Identification of Viewshed Reference Points as a Basis for Assessment Ma Source: Macro Works



the existing EPA licence boundary of Poolbeg Generating station. A 75 MW Battery Energy Storage System ("Poolbeg BESS") is also being proposed to be developed on at a site located within the western portion of the site at Poolbeg. The proposed BESS is not a scheduled activity, as outlined in the EPA Acts 1992 to 2013.



Nestled near Grand Isle, Queen Bess Island stands out as a national treasure! This remarkable location hosts one of the largest brown pelican rookeries in Louisiana, contributing an impressive 15-20% of the state's nesting activity. In 2013 his short film noir "The Dead Man's Number" won a number of awards. He has since worked on



7.3.1 Poolbeg FlexGen 123 7.3.2 Poolbeg BESS 129 7.3.3 Ringsend FlexGen 134 7.3.4 South Wall BESS 140 7.4 Assessment of Potential for Adverse Effects on the Site Integrity of South Dublin and River Tolka Estuary SPA 146 7.4.1 Poolbeg FlexGen 146 7.4.2 Poolbeg BESS 149 7.4.3 Ringsend FlexGen 152 7.4.4 South Wall BESS 155



Taking on board feedback through a business survey and the Climate Change Transformation Team, the key features and improved changes to the BESS include: Increased financial assistance available for eligible businesses ranging from GBP20,000 to GBP100,000, tiered as follows:

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Up to GBP50,000 for businesses of all sizes

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Neilston BESS Source Civil Ltd was selected as the specialist civil contractor by H& MV Engineering for the Neilston BESS Greener Grid Park project. As a critical contributor to the project's success, Source Civil completed all civil works efficiently and to a high standard. This development is designed to enhance the flexible operation of the National [a?]



The 75MW/150MWh battery in Poolbeg is to be the EU's largest battery energy storage system (BESS) project by energy capacity, the companies said. A second 30MW/60MWh asset is also to be developed at South Wall, a?|



Poolbeg BESS and FlexGen SI and GQRA. The Poolbeg FlexGen Hotspot Remedial Excavation and Validation Report has been submitted previously to the satisfaction of the Agency previously via Eden reference number LR052440. A brief summary is provided below. The site is located in an area that is considered to be of moderate sensitivity given the



Irishtown Nature Park is a small man-made park between Irishtown and Sandymount Strand in Dublin 4, Ireland that offers several kilometres of walking trails along the Poolbeg Peninsula. Poolbeg BESS Power station, 260 metres northwest; Pigeon House Harbour Harbor; Pigeon House Fort Ruins, 510 metres northwest;



ESB has today opened a major battery plant at its Poolbeg site in Dublin which will add 75MW (150MWh) of fast-acting energy storage to help provide grid stability and deliver more renewables on Ireland's electricity system. This latest battery energy storage system (BESS), currently the largest site of its kind in commercial operation in Ireland,

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