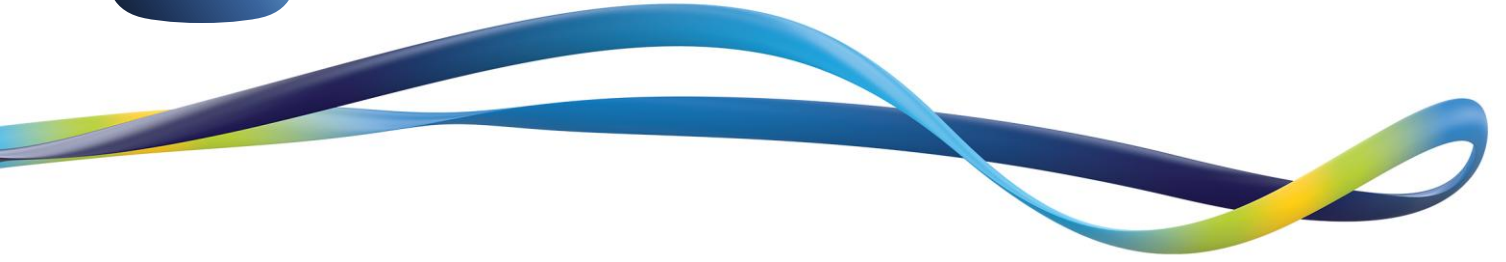




NETWORKS



Demand Flexibility Product Locations March 2025 Update

ESB Networks

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Demand Flexibility Product Location List

In July of 2024, ESB Networks published an initial list of locations where medium-term demand flexibility was identified as a possible solution to congestion. Following that initial publication further assessments were undertaken particularly in relation to the 110kV/38kV station locations. The aim was to identify whether a party providing the flexibility required would have to be connected directly into the 38kV network within the 110kV/38kV station compound, or could be connected electrically to this via 38kV stations served by the 110/38kV station (i.e. at different geographic locations but delivering the same effective power as being connected at the 110/38kV station)

Following this assessment:

- A large number of new locations where connections could be made were identified
- In some locations the assessment indicated that the MW size of the asset would need to be greater.

Tables 1 and 2 below set out the locations where assets can be connected in order to address the congestion need. Tables 1 and 2 are focussed on a congestion issue at 110kV/38kV stations. Locations can be identified geographically at this link [Availability Capacity Map; Networks capacity map](#)

Table 3 sets out 4 locations where the need is at 110kV/MV or 38kV/MV station. Since the original publication, one 38kV/MV location with a specific congestion need has been identified and it is proposed that this location will also be added to the tender list.

As noted in the earlier publication, the final list of locations to be tendered will be provided at CfT stage and it is possible that other stations may be added as part of this stage. The list below is not final noting that the identified stations below will not be removed at CfT stage

Location of Need – 110kV/38kV station

Table 1: 110kV/38kV stations and downstream 38kV stations where assets can provide a flexible service

110kV/38kV station - Location of Need	Demand Flexibility Product Size (MW)	Possible Connecting Stations
Bandon 110-38	23	Bandon
		Enniskeane
		Kinsale
		Timoleague
Carrick On Shannon 110-38	11	Boyle
		Carrick On Shannon
		Carrigallen
		Castlereah
		Mohill
Castlebar 110-38	28	Castlebar
		Knockaphunta
		Turlough Road
Dundalk 110-38	29	Ballybailie
		Bush
		Coes Road
		Dundalk
		Jeninstown
		Little Mills
		Marshes
		Ramparts
Inchicore (North) 110-38 - Orange	31	Inchicore
		Ballymount
		Clondalkin
		Liffey Valley
Inchicore (North) G 110-38	12	Inchicore_G_38kV BB
		Crumlin
		Kimmage
		Greenhills
		Templeogue
		Dodder Road
Garville Avenue		

Table 2: 110kV/38kV stations and downstream 38kV stations where assets can provide a flexible service

110kV/38kV station - Location of Need	Demand Flexibility Product Size (MW)	Possible Connecting Stations
Inchicore (North) R 110-38	11	Inchicore_R_38kV BB
		Marrowbone Lane
		Kingsbridge
		Newmarket
		Camden Row
		Watling Street
Kilbarry 110-38	58	Kilbarry
		Bishopstown
		Fairhill
		Mayfield
Kilkenny 110-38	19	Kilkenny
		Goresbridge
		Graiguenamanagh
		Mcdonagh
		Purcells Inch
		Rosehill
		Talbots Inch
Lisdrum 110-38	14	Ballybay
		Drumbear
		Emyvale
		Lisdrum
		Telaydon
Moy 110-38	11	Ardnaree
		Crossmolina
		Enniscrone
		Moy
		Rahans

Location of Need – 110kV/MV and 38kV/kV station

Table 3: 110kV/MV stations and 38kV stations where assets can provide a flexible service

110kV/MV and 38kV/MV stations	Demand Flexibility Product Size (MW)
Fermoy (38kV/MV) – New location	5
Central Park (110kV/MV)	15
Kilbarry (110kV/MV)	14
Salthill (110kV/MV)	12