DEMAND FLEXIBILITY PRODUCT LOCATIONS - FINAL

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 heatmap | ESB Networks.

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 has been added to the tender list.

In March 2025 an extended list of locations was published.

Ahead of publication of the CfT ESB Networks has now updated the published list of locations below noting that there have been no further locational changes but there have been changes made to the MW requirement in 5 of the locations. This is now the final list for the first round of procurement for the Demand Flexibility Product.

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
		Castlerea
		Mohill
Castlebar 110-38	**20** (previously 28)	**Castlebar**
		Knockaphunta
		Turlough Road
Dundalk 110-38	**23** (previously 29)	Ballybailie
		Bush
		Coes Road
		Dundalk
		Jenkinstown
		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	**46** (previously 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	**6** (previously 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	**3** (previously 5)
Central Park (110kV/MV)	15
Kilbarry (110kV/MV)	14
Corduff (110kV/MV)	6
Salthill (110kV/MV)	12