

Overview of Transmission and Statement of Works







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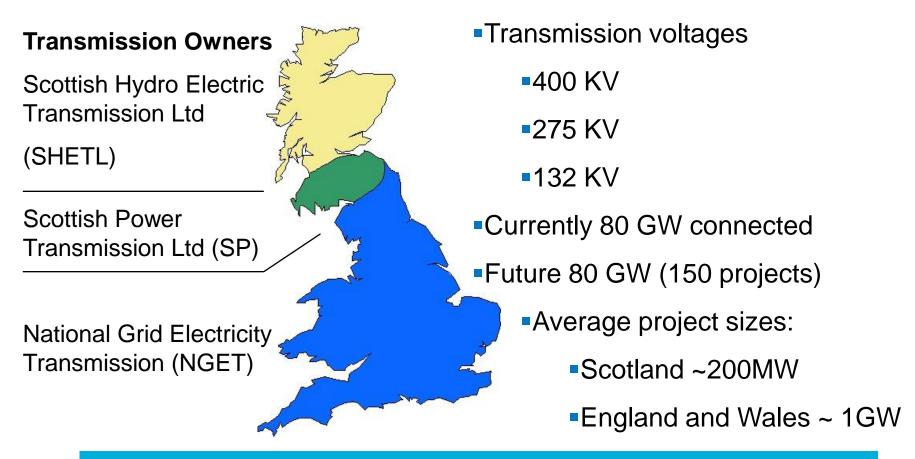


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Electricity Transmission



National Grid is **System Operator** for all 3 Transmission Owner areas

Data as at 1 August 2011

Roles of Transmission Owners and System Operator

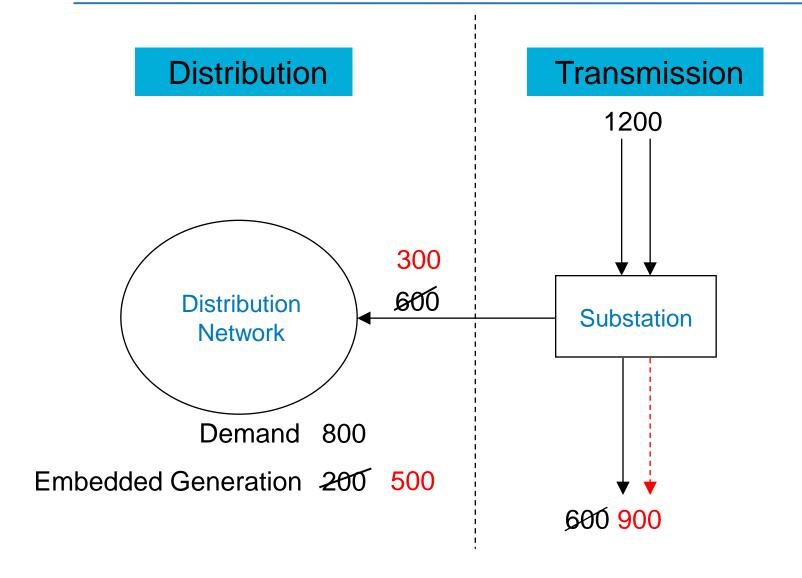


- Transmission Owners
 - System Design and Investment
- Transmission System Operator
 - Operation
 - Constraints
 - Demand forecasting
 - Processing of all GB Transmission connection applications

Embedded Generation impacts all of these

Impact of Embedded Generation on Transmission







Statement of Works

- Process to determine if there is an impact on Transmission system
- DNO pays application fees for the SOW process
- Connection dates dependent on completion of Transmission "Enabling" works (Connect and Manage)
- DNO security liability for any Transmission works



Statement of Works Process

Process	Timescales
Application	
DNO impact decision	
Statement of Works (SOW) process	28 calendar days
Project progression decision	90 business days
National Grid offer to DNO	3 months
DNO-User contracting	3 months
	Process Application DNO impact decision Statement of Works (SOW) process Project progression decision National Grid offer to DNO DNO-User contracting



Next Steps

- Proposed Enhancements:
 - Improved guidance for embedded generation via website
 - Review of application fees
 - Clarity on when Statement of Works required
 - Simplify TO processes
- Here to listen to views, comments and ideas on how process can be improved



Related National Grid Documents

- Transmission Connections Activity
 - http://www.nationalgrid.com/uk/Electricity/GettingConnected/ContractedGenerationInformation/TNQuUpda te/
- Explanation of Connect & Manage Regime
 - Guidancehttp://www.nationalgrid.com/NR/rdonlyres/01463C70-F178-4930-9A00-780FE5330F2D/47332/CMversion50.pdf
- Information on Operation of Connect & Manage
 - http://www.nationalgrid.com/uk/Electricity/GettingConnected/PoliciesAndGuidance/
- Proposals to Change User commitment (CMP192)
 - http://www.nationalgrid.com/uk/Electricity/Codes/systemcode/amendments/currentamendmentproposals/
- Transmission Charging Statements
 - http://www.nationalgrid.com/uk/Electricity/Charges/



Related Industry Documents

- Ofgem review of Transmission charging (TransmiT)
 - http://www.ofgem.gov.uk/Networks/Trans/PT/Pages/ProjectTransmiT.aspx
- DECC proposals for Electricity Market Reform
 - http://www.decc.gov.uk/en/content/cms/consultations/emr/emr.aspx
- Elexon's Overview of Embedded Generation Benefits
 - http://www.elexon.co.uk/ELEXON%20Documents/overview of embedded benefits.pdf