

ofgem Promoting choice and value for all gas and electricity customers

Innovation Stimulus Package

Monday, 15 November 2010 14.00-16.45

Ofgem, 9 Millbank





Welcome and Agenda

- **14.00** Introduction (Stuart Cook)
- 14.15 Innovation Stimulus Package (Anna Rossington)
- 14.30 DNO Experience with the Low Carbon Networks Fund (Jim Cardwell- ENA)
- 14.45 Plenary Q&A Session Table Discussions
- 15.45 Tea Break, Panel to review responses
- 16.00 Summary and Q&A session
- 16.40 Close



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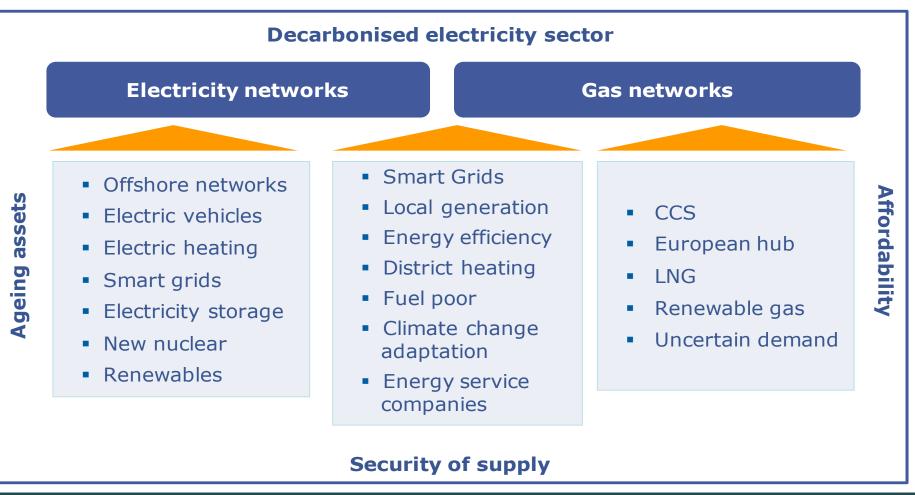
Introduction RIIO and innovation

Stuart Cook, Senior Partner Ofgem





We Face an Unprecedented Challenge



£200 bn of investment. £32bn of network investment.





What are we seeking to achieve?

Desired outcomes from the future regulatory framework

Play a full role in the delivery of a sustainable energy sector Deliver long-term value for money network services for existing and future consumers

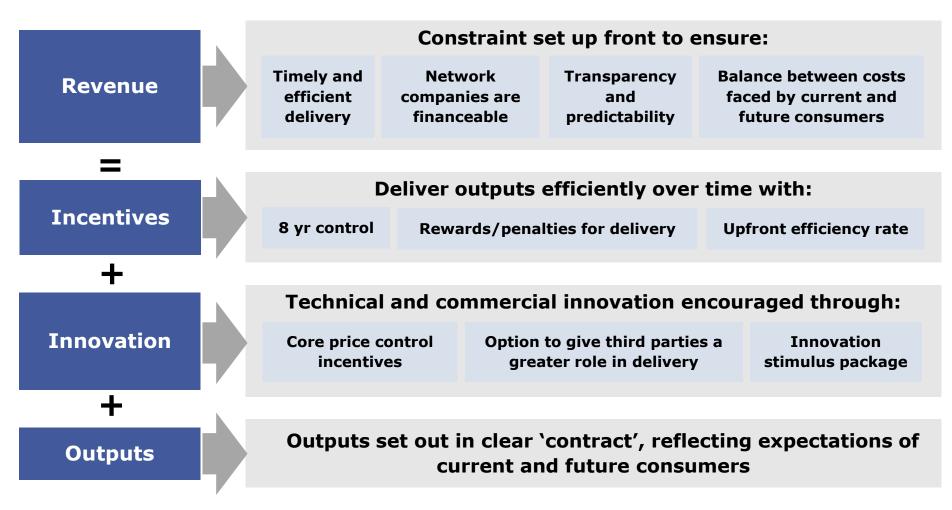
Issues that the network companies should be considering

Long-term focus on value for moneyInnovationOptionality and flexibilityWorking with others to identify best delivery
solutionsUnderstanding and responding to needs of existing
and future consumers





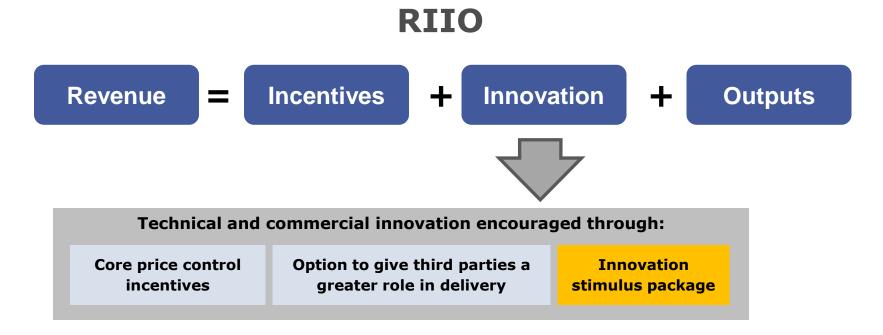
RIIO: A new approach to regulation





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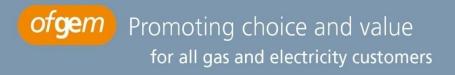
- Networks will need to be smarter, integrating intermittent sources and encourage customers to manage their demand.
- The shape of the low carbon future is not clear, therefore companies will need to innovate.



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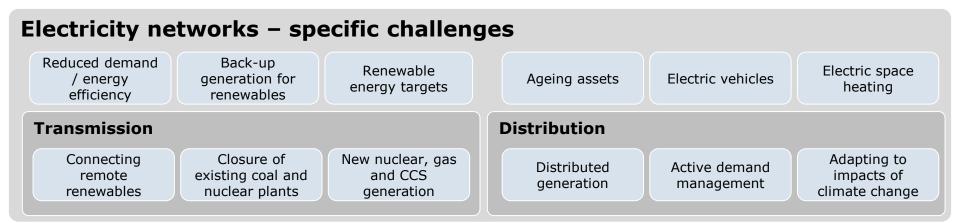
Introduction The need for an innovation stimulus package

Anna Rossington – Head of Distribution Policy Ofgem

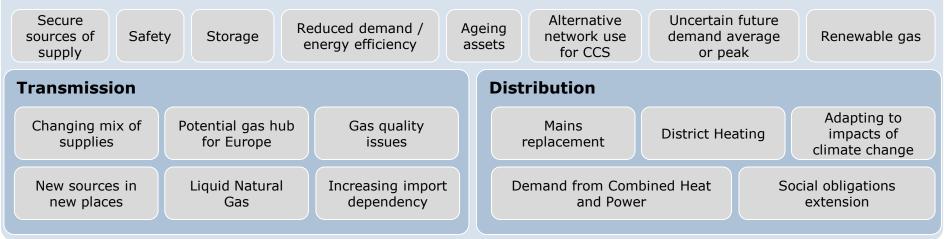




Network companies are facing a number of drivers for change that will affect how the networks are used to deliver a low carbon future.



Gas networks – specific challenges





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Need for innovation in networks

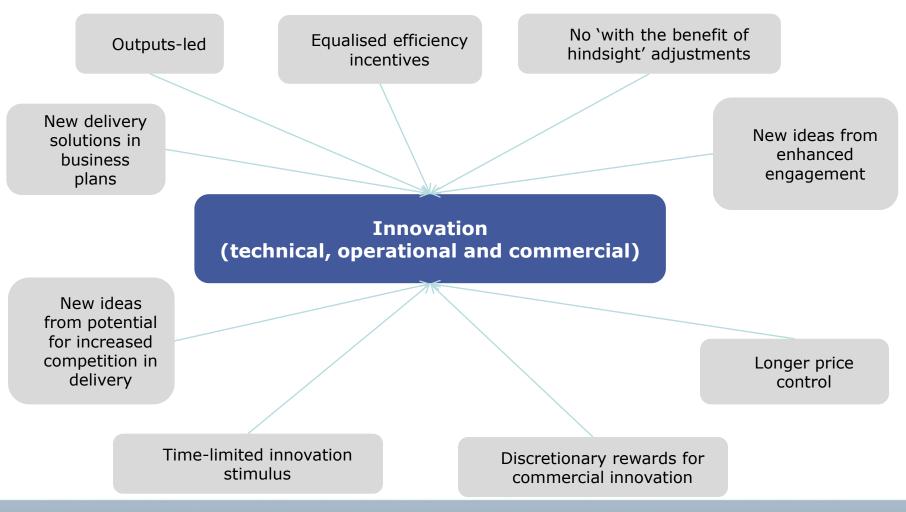
- Companies may not take account of all the benefits from innovation that accrue to a wide range of parties as they consider the relative merits of innovations;
- The upfront costs of innovation may be significant, potentially outweighing expected benefits for the network company itself;
- The long-term private cost to network companies from choosing not to innovate may not be significant, particularly if the costs associated with continuing to deploy existing technologies are generally funded under a price control;
- Companies may discount the future benefits of innovation if the carbon price is low or they doubt the political commitment to meet the targets

RIO





Historically, regulated companies have had little incentive to innovate. A number of aspects of the new framework will encourage innovation.





Additional support for innovation

Innovation stimulus package

- Innovation expected to be included in the business plans
- Incentives in the price control may not be sufficient to deliver the type and scale of innovation needed
 - Therefore framework includes competitive time-limited innovation stimulus funding (separate for gas and electricity)
- Aim: to encourage innovation in the provision of network-services related to delivery of a sustainable energy sector that may not develop in the absence of the innovation stimulus package





Additional support for innovation

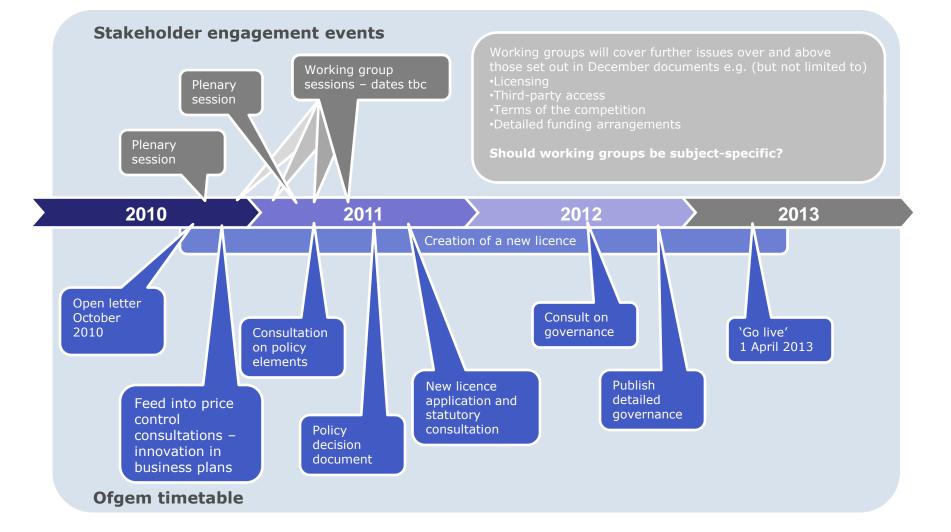
Innovation stimulus

- Building on Low Carbon Networks Fund (LCNF) from DPCR5
- Open to network companies and (licensed) third parties
- Partial project funding (implementing company commitment)
- Open to projects at any point in innovation cycle
- Bids assessed by independent panel; final decision GEMA
- Funded by transfers of money between licensees (no central fund)
- Projects selected must share the information and knowledge gained
- Specific rewards for new commercial and charging arrangements aligned with sustainability

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Development process



RIIO











Jim Cardwell

15 November 2010

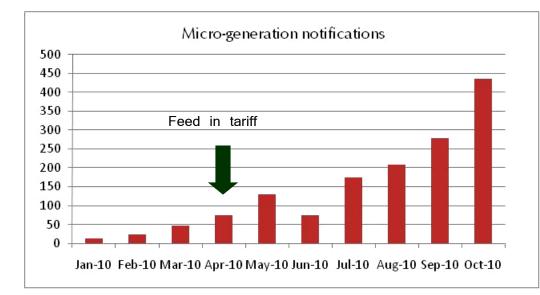


The £500m low carbon networks (LCN) fund is a welcome extension to the prior existing innovation funding incentive

DPCR4	Innovation funding incentive (IFI)	£100m DNO fundsTechnical R&D
+ DPCR5	LCN fund tier 1	£80m DNO fundsSmaller trial projects
	LCN fund tier 2	£320 central fundFlagship projects
	Discretionary reward	 £100m central fund Reward learning: 10% DNO compulsory contribution Exceptional learning



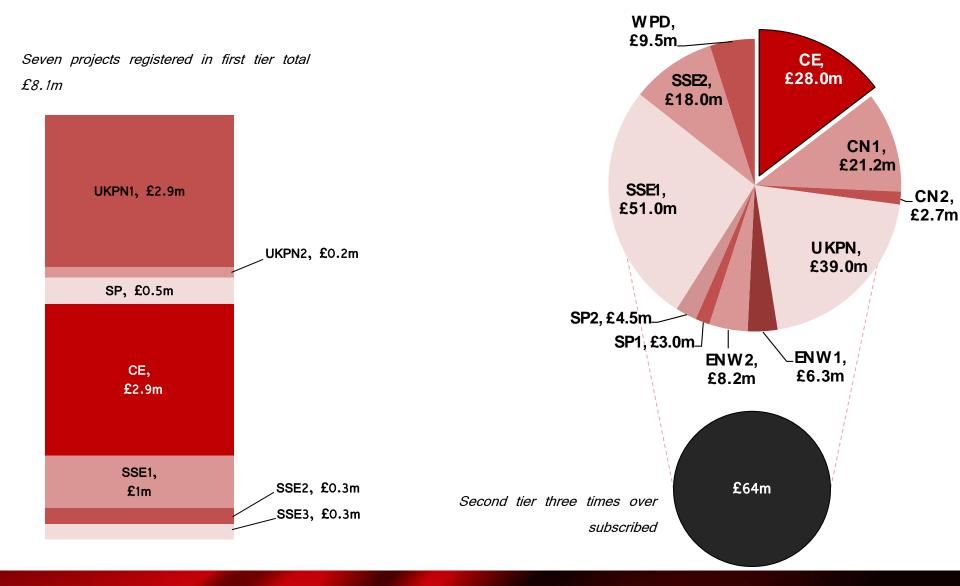
Customers are responding to government policy imperatives such that the need for smart grids remains compelling



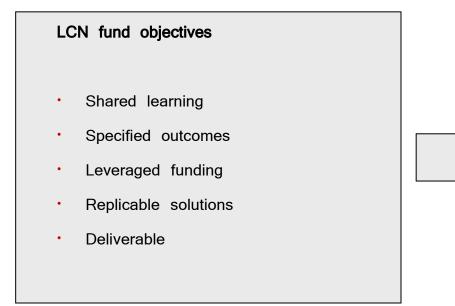




Distributors have responded enthusiastically to the LCN fund







Behaviours and outcomes

- Highly competitive second tier bidding environment
- Range of regional and national project partners
- Consortium partners enrich projects
- · Several projects with similar scope
- All innovation funding routes being utilised
- Positive outlook for DNO and wider industry collaboration





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Plenary Q&A session Table discussions





Questions for table discussions

Type of innovation and potential projects

What innovation might be required to facilitate a low carbon economy and securing supplies as efficiently as possible in each of:

- Gas distribution
- Gas transmission
- Electricity transmission

What are your views on specific projects that could be funded under this scheme and what are the potential costs of these projects?

Level of funding

What annual level of funding is required to facilitate innovation in each sector – how does this compare to the existing LCN fund of $\pounds 64m$? How should funding be profiled over the 8 year period of the RIIO price control?

Split between price control and innovation stimulus

What speculative investment companies should include in their business plans to be funded through the price control, versus what they should compete for through the stimulus – and the potential value and required justification for this speculative investment



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