Review of SEN Canada 2013

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WHITE PAPERS



DEFINITION

Smart energy networks (SENs) use advanced information and communication technology to monitor and manage the transport of energy from multiple fuel sources to meet the varying energy service demands of end users.



CHARACTERISTICS

- i) Multiple Fuels
- ii) Information & Communication Technologies (ICT)
- iii) Energy Service Provision
- iv) Integration





THE FUTURE OF SMART ENERGY NETWORKS:

Identifying, shaping and advancing Canadian energy interests

Toronto, ON - September 30th 2013













REFLECTIONS

Electricity, natural gas, heat

Heat energy critical contributor to Europe's energy services

Integration and storage

Temporal and spatial scales

ICT key differentiator Energy service 'value' Readily-accessible platform

R&D Sample Response 1/3

'costs and benefit calculations under different regulatory regimes and markets'

R&D Sample Response 2/3

'assess the business cases and prioritize.'

R&D Sample Response 3/3

'living laboratory-type of innovative demonstrations'

R&D Word Cloud

uncertainty living-laboratory cost-benefit-calculation demonstration business-case value commercialization prioritize

KEY THEMES

Diffuse Benefits

Challenge to assemble critical mass of support

State of Play

- High engagement at leadership event
- 'Cautious enthusiasm for more consideration of SENs'



MOVING FORWARD

- 1. R,D&D National Workshop (Today!)
- 2. Demonstration Projects
- 3. 'Institutional' Strategy





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