





PRECINCT WIDE EMBEDDED ENERGY: BARRIERS AND ISSUES

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- What are the economics?
- What contractual relationships are required?
- What are likely to be the absolute minimum regulatory requirements?
- What are the network issues?

2 seed 

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- What are the economics?
 - Economies of scale/competitive with wholesale energy costs
 - Transmission cost savings and avoided losses
 - Connection charges
 - Distribution network charges
 - Heating and cooling infrastructure
 - Sensitivity to gas fuel costs

- What contractual relationships are required?
 - Agreement for sale of energy?
 - Distribution Use of System Agreement?
 - Back up energy provision: spot price? Option?
 - Liability for interruption/failure to provide energy?
 - Agreement for cooling / heating services provision?

- What are likely to be the absolute minimum regulatory requirements?
 - Small customer protections and retail licensing
 - Depending on extent of own network and nature of nexus with local network, Distribution Network License exemption
 - Metering/settlement requirements
 - Wholesale market membership?

- What are the electricity network issues?
 - Network performance obligations
 - Balancing: outside a large meshed network, balancing local load may present network issues
 - Connection charges: network augmentation
 - Connection charges: on-going costs
 - Cooling/heating distribution?

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5

