
Christchurch Smarter Grid Roadmap

EGEE&C 40 Meeting, Taipei, November 2012



**Asia-Pacific
Economic Cooperation**

Christchurch Smarter Grid Roadmap

- **Canterbury Earthquake Recovery:**
 - **70-80% of central city being demolished**
 - **20,000 homes to be replaced**
 - **Significant infrastructure repair and replacement required**
 - **Electricity grid performed well, but repairs required.**
 - **NZ \$20-30 billion of damage**



**Asia-Pacific
Economic Cooperation**

Christchurch Smarter Grid Roadmap



Christchurch Smarter Grid Roadmap

- **Objectives:**
 - **Develop a roadmap for a “Smart City”**
 - **How can micro-grids help reliability, recovery, and restoration**
 - **Technologies recommended for deployment**
 - **Market system requirements**
 - **Regulatory needs**

Christchurch Smarter Grid Roadmap

- **Project Progress:**
 - **Steering Group formed with Transpower (national lines company); Ministry of Business, Innovation and Employment; and the Electricity Authority**
 - **This group has been workshopping the project and refining the project scope further prior to procurement**
 - **RFP being finalized to be submitted to APEC Secretariat for approval**



**Asia-Pacific
Economic Cooperation**