

Stewart Island Energy Futures

A COLLOQUIUM EXPLORING

ELECTRICITY GENERATION OPTIONS FOR STEWART ISLAND

FRIDAY 24 FEBRUARY 2012 OBAN COMMUNITY HALL STEWART ISLAND

DRAFT PROGRAMME

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|---------------------------|--|--|
| 12:30 | Registration | |
| 1:00 | Colloquium opening | Erik Barnes, Southland District Council Councillor Bruce Ford Jon Spraggon, Stewart Island Community Board |
| Setting the Scene | | |
| 1:20 | World and National Trends and Developments in Energy generation and Use | Emeritus Professor Arthur Williamson, University of Canterbury |
| 1:40 | Stewart Island Electricity Demand and Supply Summary of Progress to Date | Robin McNeill, Venture Southland |
| 1:55 | Environmental Matters | Andy Roberts, Department of Conservation |
| 2:10 | The Resource Management Act and Energy | Ken Swinney, Environment Southland |
| 2:25 | How EECA can assist remote communities | Mike Underhill, EECA |
| Technology Options | | |
| 2:45 | Introduction to session Grid Stability Issues HVDC-Lite from the South Island Grid | Dr Hamish Laird, ELM G |
| 3:00 | Afternoon Tea | |
| 3:10 | Small Hydro Opportunities for Stewart Island | Jeff Wilson, Wilson Hire |
| 3:30 | Is Hydrogen Storage an Option for Stewart Island? | Alistair Gardner, IRL |
| 3:45 | The SHED (Southland Hydrogen Economy Development) Project | Anthony Hines, REACH Power Ltd |
| 4:00 | Hydrogen Fuel Cells | Basil Walker |
| 4:20 | Wind Potential for Stewart Island | Dr. Phil Murray, Massey University |
| 4:40 | Possible Wind Energy Developments in Stewart Island | Tom Cameron, Energy ³ |
| 5:00 | The Tangaroa Marine Energy Trial near Oban | Kevin McGrath, Tangaroa Energy |

| Scoping the Future | | |
|--------------------|--|------------------------|
| 5:20 | Remote Island Power Supply Case Study: Ross Island | Antarctic New Zealand |
| 5:50 | Colloquium Round-up | Dr Hamish Laird, ELM G |
| 6:00 | End of Colloquium | |