

ORC current issues

Invercargill, Oct 2008

Air Quality

- **National Environmental Standard (NES) for Air Quality. To be met by 2013**
- **Regional Council's role to ensure NES is achieved – continuous monitoring is carried out in several towns**
- **Otago - main problems are with domestic solid fuel heating**
 - **Multi-fuel burners**
 - **Woodburners**

What ORC is doing

- **Air Plan change forcing change from non-compliant burners**
- **Education**
 - **Alternatives: heat pumps, pellets, flued gas and modern woodburners**
 - **What not to burn**
- **Subsidy funded by EECA, ORC, TLA and industry for insulation and retro-fit of fire**
- **Subsidy is high for low income and contribution for others**

Scale of problem in Otago

	2008 > NES	Number of fires	Likely change to heat pumps
Alexandra	75	1000	500
Arrowtown	38	500	250
Cromwell	32	650	325
Clyde	39	250	125
Milton	46	600	300
Minimum change to heat pumps by 2013 = 1500			

Power supply issues

- **Small growth in terms of capacity**
- **Resilience of supply – perceived major obstacle**
 - **Dry years**
 - **Unplanned interruptions: perception not reliable for e.g. sole heating for old people**
 - **Power supply needed for all heating alternatives (other than woodburners)**
- **Short and long term costs**

Other developments

- **Central Otago: Heat pumps as air conditioners during summer**
- **Irrigation: Water Plan change encouraging community schemes. More infrastructure, more pumping within next 10 years.**
- **Dairy conversions: Reliability of supply during milking and increase in power use.**