

Group Interviews & Questionnaires

Project: Energy Efficiency in Schools Program
Measurement: Change in Energy Usage Behaviours
Role: Research Officer / Field Researcher



☑ Group Interviews

☑ Questionnaires

☑ Document Analysis
(electricity bills)

☑ 12 Schools (total)

☑ 2 Control Schools

☑ Teachers

☑ 3 Energy Efficiency In
Schools Models

☑ Residential Program

☑ Measure – Impact on
Behaviour Post-Program

☑ Primary School
Children

☑ Parents

Project: Energy Efficiency in Schools Programs

About

- Residential School Programs (3 Models)
- Aim – Support Change in Energy Efficiency Behaviour
- Measurement – Pre- and Post-Program

	Model 1	Model 2	Model 3
Duration	Seven days	Four days	Three days
Conducted by	Three EEC's	One EEC	One EEC with support from another
Participants	One student/school One "adult helper" per school (usually parent)	Four students per school (2x Year 6, 2x Year 7) Five Schools One teacher per school for Action Plan day	Four students/school (except for one where were two) One adult/school (teachers/teachers aide) Five schools
Activities	Coal mining sites, Heavy Industry; Coal fired power station; Creation of Action Plan; Energy Audits; Greenhouse Gas CD Alternative Energy Co-operation, Initiative, leadership, team building	Hydropower station; Creation of Action Plan; Energy Audits; Greenhouse Gas CD; Speakers on wind and solar energy, and air conditioning; Computer animated presentation; Communication and team-building skills	Coal-fired power station; Energy Audits; Drafting of Action Plans; Greenhouse Gas CD; Getting to know you games; Rainforest tour; Planting of trees as part of a carbon sink project

Project: Energy Efficiency in Schools Programs

Research Study Methods, Data & Participants

- Group Interviews
- Questionnaires
- Document Research (e.g. electricity bills)
- Qualitative and Quantitative Data
- 12 Schools (including 2 control):
 - Model 1 – 2 participating schools; 2 control schools (similar in size, location, socioeconomic characteristics, etc.)
 - Model 2 – 5 participating schools
 - Model 3 – 3 participating schools
- Study participants – primary school students, parents and staff from each participating and control school



Findings Snapshot

Positive Findings

- **Model 1 – Overall, the EES program did develop positive energy efficient behaviours in participants. In relation to whole school effects, mixed results were obtained. In Model 1, a rural school initially reduced energy consumption by 50%.**
- **Model 2 – Significant changes in energy efficient behaviours in the school communities that participated.**
- **Model 3 – One school followed through with an action plan and similar positive effects were observed.**

The development of an action plan that is implemented in the school, the selection of suitable participants, and post-program visits to schools by relevant staff were among the factors that contributed to the overall success. Each model was found to have achieved their aims to varying degrees but had outcomes that are likely to have both lifetime and possibly intergenerational effects.



