

Date:



ENVIRONMENT & INNOVATION:

Theme 2007/2009

Climate change:

Let's save energy!

Final Project Report

Environment and Innovation

1. Delegation Identification

Country:	NORWAY
Organisation:	Stiftelsen FEE Norway
Project Name:	Environment & Innovation - A project to promote schools' innovative environmental problem-solving By International Eco-Schools Programme (FEE) in partnership with Toyota Motor Europe
Activity Name:	Grønt Flagg
Date:	08.07.2009

2. School Identification

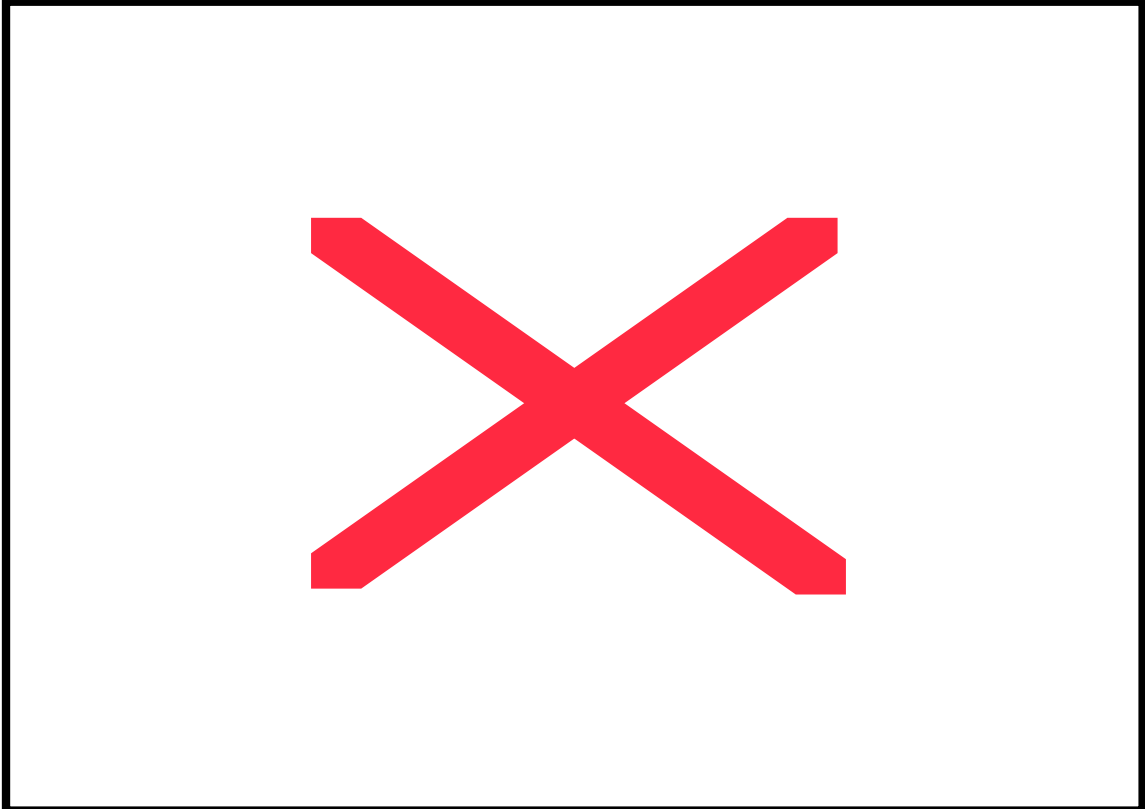
School Name / Group of Schools Name:	Reipå skole
Address:	Hans Bruns vei 9 8146 Reipå
Region:	Meløy
Telephone:	75710440
Fax:	75710441
E-mail:	reipa.skole@meloy.kommune.no
Website or Project website:	
Contact person for this project:	Rune Strømsvik
- Position	Lærer
- Direct email	Runestromsvik@hotmail.com
- Direct telephone	91866181
Type of school (kindergarten, primary, secondary, etc..) :	Primary school.
Age of students involved in the project:	6-12 years old, mainly 10-12 years old

Date:

Number of students directly involved in the project:	About 40
Total of students in the School:	75
Number of staff/teachers directly involved in the Project:	Almost all staff has been involved in the project in one way or another.
Total of staff/teachers in the School:	15
Other participants involved (individuals and/or organizations) and the number of them:	Meløy Elektro: 1 person
The other participants role:	Meløy elektro (local electrical engineering distributor) has contributed in the planning phase and has also helped with placing the pumps, and looked at the possibilities for further energy reduction in the school building.
Rural / Urban setting:	urban
Other relevant information: (maximum 100 words)	

3. Project Identification

Project Title	Project: Heat-pumps
Project keywords	Environmental education, energy reduction.
Project Summary	<p>The project aims at placing 4 heat pumps on strategic places in the school building. This is done to make the most effectively use of the pumps.</p> <p>The pupils have been very involved in the process, both before installation and after. They have been, among other things, involved in stream measurement and calculations on the power consumption to find out how much profit in energy reduction you get from the heat pumps.</p> <p>This again, will be used in an analysis to consider whether or not all large rooms in the school building should be supplied with heat from heat pumps.</p>



Introduction and outline of the challenge addressed by your schools or group of schools.

(Please submit a description of the problems that your project addressed. How was the situation prior to the project?)

Reipå is located north in Norway. This means that the climate is generally quite tough, and especially the winters are very cold.

The classrooms are built against external walls, and have large windows to let enough sun in. This leads to a great heat loss, and results in large energy consumption.

4 of the classrooms are centred on a large open and airy room. This room is 6.5 meters and used as a library and has study places (midtrom). The heat pumps will be installed in these 4 classrooms (kl.rom 3, 4, 5 and 6, see the drawing), and will spread the heat not only in these particular rooms, but also to the "midtrom".