

# **Power Preservers**

Mission to Conserve

Education for Sustainable  
Development

St. Paul's CBS, North Brunswick Street,  
Dublin 7





Power Preservers  
2017

# The Power Preservers

- Members – Kian, Lee, Corngau, Dante and Tommy
- Grown from the roots of Green Schools and recommendations from Engineer:
  - 1). Our Principal changed the light bulbs to Energy Efficient Lighting
  - 2). Green Schools focused on recycling
  - 3). The Power Preservers took on the job of increasing our schools energy efficiency and increasing awareness of climate change.



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# School Background

- St Paul's CBS aka "The Brunner" – an inner city DEIS school

## ***3 Buildings of Brunner***

- Suffered from spiraling energy costs – our principal calls them 'Ready Brek Buildings'
- Teachers and students contributed by not switching off computers and lights.
- Power Preservers tasked with finding an innovative and cost effective way to reduce our schools energy consumption.





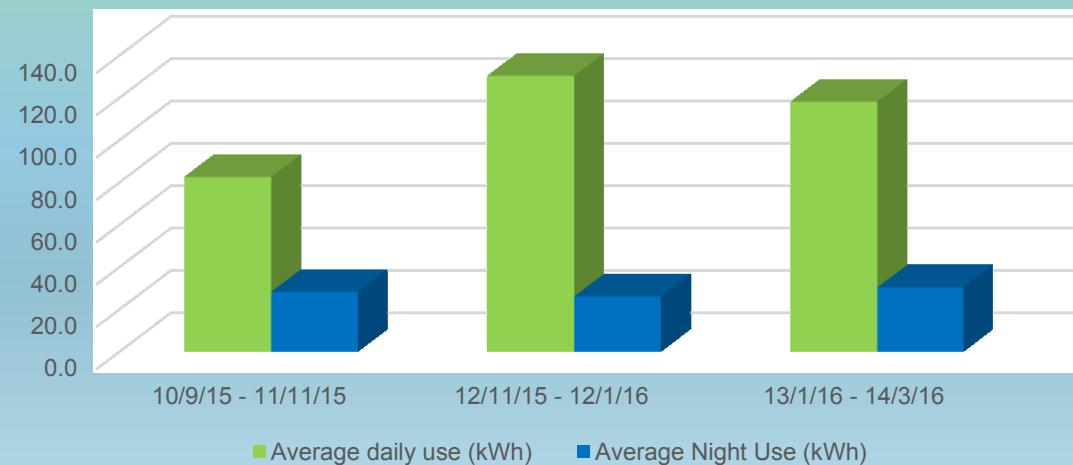


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# Research

- We analysed the school electricity and gas bills to see how much energy we actually used.
- We were shocked at the amount of energy consumed and how much it cost.
- We knew we were restricted by the buildings our school was in but felt that we had to do something about this problem.

Average Electricity Usage Before





# Steps to Change

- The engineers report gave recommendations in relation to possible energy saving changes the school needed to make in order to reduce energy consumption.
- SEAI One Good Idea Competition asks students to think of innovative ways to create awareness on saving energy, tackling climate change and inspire lifestyle changes in the people around them.
- *The Power Preservers* worked towards reducing the schools energy consumption.
- They analysed school utility bills and documented usage.
- They designed two creative visual features



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# Taking Action

- Invented lock blocker to remind teachers/students to turn off lights and computers
- Light bulb reminders to make students and teachers stop and think about their carbon footprint.
- Held focus groups to check student knowledge on climate change.
- Arranged a school wide Earth Hour to improve awareness on the issues of energy consumption and climate change.
- Devised a survey to check for an improvement in awareness on the issues above.



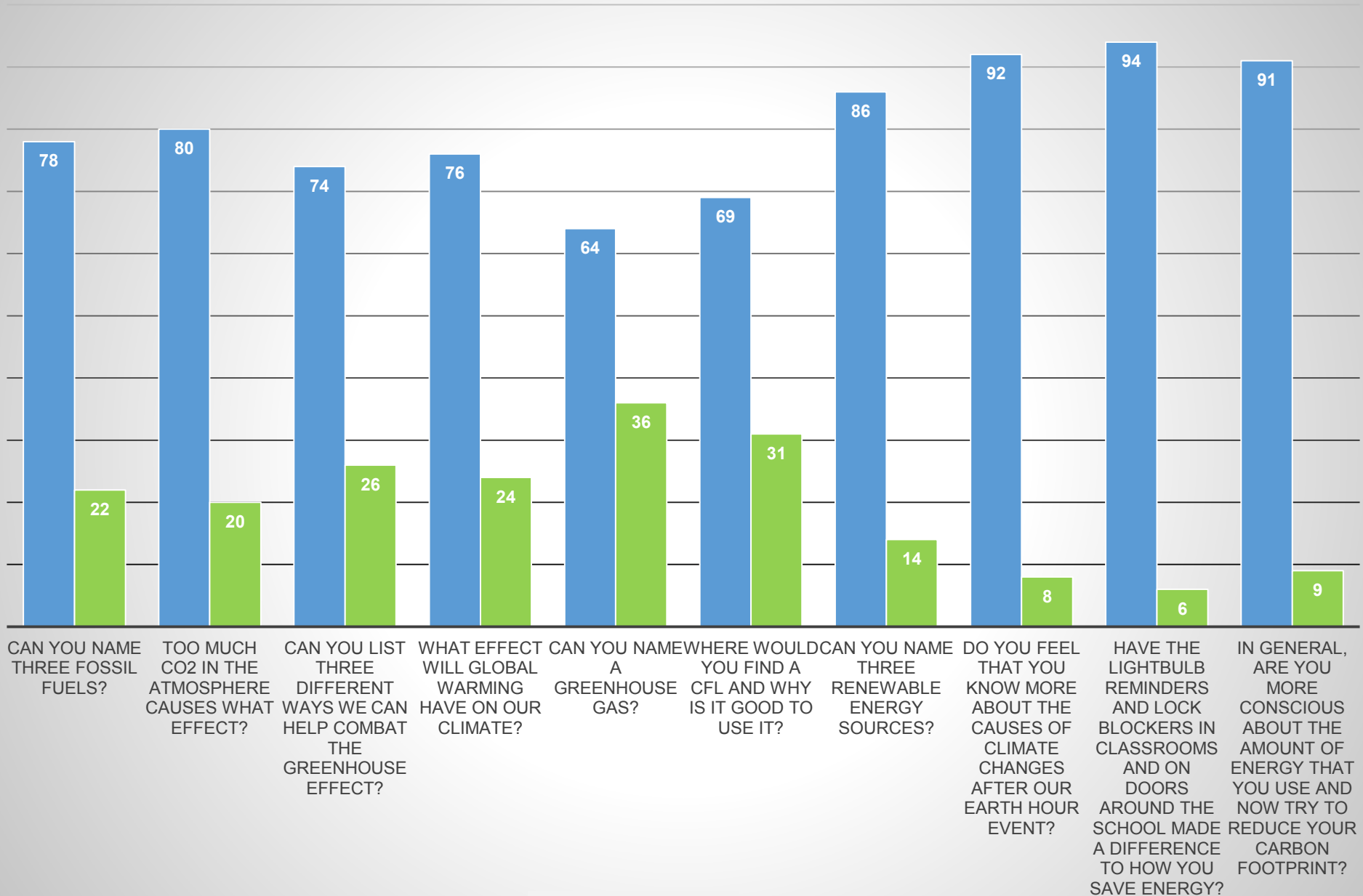


## Energy Survey Questions

1. Can you name three fossil fuels?
2. Too much CO<sub>2</sub> in the atmosphere causes what effect?
3. Can you list three different ways we can help combat the greenhouse effect?
4. What effect will global warming have on our climate?
5. Can you name a greenhouse gas?
6. Where would you find a CFL and why is it good to use it?
7. Can you name three renewable energy sources?
8. Do you feel that you know more about the climate changes after our Earth Hour event?
9. Have the lightbulb reminders and lock blockers in classrooms and on doors around the school made a difference to how you save energy?
10. In general, are you more conscious about the amount of energy that you use and now try to reduce your carbon footprint?



# Energy Survey Questions



■ Yes ■ No



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# Brunner & Beyond

- We expanded our project to include the St. Paul's Primary School.
- Our Earth Hour event has helped to create a greater awareness within the school and into the wider community.
- Twitter has helped us to further spread our message.
- We are the Power Preservers we have achieved our mission's goal of increasing our schools energy efficiency and raising awareness of climate change.
- This is only the beginning – we choose action, we choose life.
- This year the TY Development Education Class have decided to tackle the issue of transport as their SEAI One Good Idea theme.



