

Report No.

19-106

Information Only - No Decision Required

ENERGY EFFICIENCY 'GREEN' PROGRAMME - UPDATE

1. PURPOSE

- 1.1. The purpose of this report is to update Council on progress of the energy efficiency programme which aims to reduce Council's carbon emissions and to progressively adopt environmentally friendly ('green') practices.

2. RECOMMENDATION

It is recommended that Council:

- a. receives the information contained in Report No. 19-106.

3. FINANCIAL IMPACT

- 3.1 There is no financial impact from the recommendations contained in this item. The programme is funded through Council's existing assets and facilities maintenance capex / opex budget. Non-Asset associated spends normally sit within applicable groups opex budget.

4. COMMUNITY ENGAGEMENT

- 4.1. No community engagement is required.

5. SIGNIFICANT BUSINESS RISK IMPACT

- 5.1. There is no significant business risk associated with this report.

6. BACKGROUND

- 6.1. At the Regional Council meeting on 28 June 2016, a report was presented that provided details on the proposals received to reduce council's carbon emissions. The report identified the cost of the project and the deliverables. These included the development of a Carbon Emissions Strategy, Emissions Inventory and Implementation Plan. It was decided at the meeting that this project, with external support would not proceed due to limited staff and financial resources.
- 6.2. However, the Council recognised the benefit of reducing Council's carbon emissions and directed the Chief Executive to continue to look for opportunities to reduce organisational carbon emissions and progressively resource more environmentally friendly ('green') initiatives and report to Council yearly.
- 6.3. While not a formal programme, Horizons has continued to progress green initiatives and energy efficiency as opportunities arise as this approach reflects the values of Council.

7. DISCUSSION

7.1 Current and Enduring Energy Efficient Initiatives:

7.1.1. Fleet Management

The last transport solution review which examined the overall management of Council's vehicles was completed in July 2016. There were a few recommendations resulting from this report that improved Council's energy efficiencies and reduced carbon emissions. This included purchasing an electric vehicle and changing the vehicle replacement cycle from 6 years to 3-5 years in order to enable more fuel efficient and environmentally friendly vehicles. Horizons is now in the process of conducting an additional vehicle fleet review that may recommend additional efficiencies.

7.1.2. Buildings

Regional House in Palmerston North and the Marton Depot have had lighting replaced with more energy efficient LED lighting.

7.2. Energy Efficient Initiatives as part of the Victoria Ave Build

7.2.1. The Victoria Avenue building is designed to be energy efficient. This includes a thermal performing building envelope, low emissivity coating on glazing, solar assisted water heating, automated lighting, efficient air conditioning and gas heating.

7.2.2. Wiring and distribution board capacity has been provided for solar panels on the roof.

7.2.3. Capacity for 20+ electric vehicle charging points is provided.

7.2.4. Bike racks and shower facilities provided to encourage cycling to work of resident staff members.

7.3. Sustainable Land Use Initiative (SLUI)

7.3.1. Since inception (2006) there has been 1,568,380 Tonnes of CO₂ equivalents sequestered by SLUI works.

7.3.2. When these works reach maturity (30 years) they will have sequestered 11,518,519 Tonnes at an average annual rate of 383,951 Tonnes, this is the equivalent of the footprint of 22,323 New Zealanders (17.2 T per person per year) or 183 average sheep and beef farms.

8. SIGNIFICANCE

8.1. This is not a significant decision according to the Council's Policy on Significance and Engagement.

David Neal

BUSINESS SERVICES MANAGER

ANNEXES

There are no attachments for this report.