

SNAP Case Study

August 2013



1 Introduction

SNAP Gippsland Inc. (SNAP) was one of twelve organisations participating in a pilot of the Victorian FleetWise program.

The purpose of the pilot was twofold: to assist participating organisations improve the energy efficiency of their fleets, and to also evaluate the usefulness of the FleetWise program.

2 About the organisation

SNAP is an incorporated non-profit organisation governed by a community managed Board of Governance that provides Psychosocial Rehabilitation and Recovery Services to adults with a serious, enduring mental health problem.

SNAP delivers outreach service in the Shires of South Gippsland, Bass Coast, Wellington and East Gippsland and has service outlets in Bairnsdale, Sale, and Leongatha.

3 Nature of the fleet

SNAPs fleet operate within regional Victoria and staff deliver outreach services to rural and remote communities.

SNAP's participation extended to its entire light vehicle, which at 30 June 2012, included 15 passenger vehicles, (14 leased and one owned).

These vehicles were estimated to produce approximately 47.7 tonnes of GHG emissions (CO₂-e) at an average intensity of 206.1 grams of CO₂-e per kilometre travelled.

4 Fleet improvement actions

Following the initial FleetWise assessment, SNAP chose to implement the following fleet strategies over the July 2012 – June 2013 period:

- remove any unnecessary vehicles from the fleet
- replace vehicles with more fuel efficient alternatives based on the green vehicle guide recommendations
- reduce the need for travel where possible (ie route optimisation, car pooling).

5 Results

A follow-up assessment of the emissions performance of the SNAP fleet was undertaken in July 2013.

At 30 June 2013, SNAP's fleet included 15 passenger vehicles, all of which except for one were new.

The total kilometres travelled by the fleet had reduced by 33% and the fuel use by 34%.

The assessment revealed a reduction in the total GHG emissions of the fleet by 16.5 tonnes of CO₂-e (35%) in line with the reduction in total fuel use, and an **improvement in GHG emissions intensity of 1.8%** to 202.4 grams of CO₂-e per kilometre travelled.

The assessment also revealed an improvement in the average air quality score by 0.75.

6 Summary and learnings

The experience of SNAP in the FleetWise program gave rise to the following observations which are relevant for all program participants:

- Reducing the kilometres travelled directly correlates with less fuel being consumed. By reducing the amount of travel undertaken by their fleet SNAP was able to reduce their fuel consumption by a massive 34%.
- SNAP's CEO led the participation in the FleetWise program. Having participation endorsed at a senior level allows for easier implementation of improvement strategies and continuity of participation.
- Newer vehicles benefit from improved fuel efficiencies due to the continual advancements in automotive technology. Leasing their vehicles meant that SNAP was able to easily upgrade their whole fleet to capitalise on this.
- In comparison to the other participating fleets, SNAP was a relatively small fleet – however they managed to make a large reduction, showing that no matter how small the fleet big improvements and savings can be made.

"The opportunity to participate in the FleetWise Program, which was presented to me by Noweyung LTD, has meant that SNAP looked very closely at its fleet and its impact on the environment. By making small changes such as route optimisation for the case loads of staff (without reducing service) and upgrading our lease vehicles we have achieved huge reductions in kilometres travelled, fuel usage and costs."

Chris McNamara, CEO, SNAP