



CASE STUDY 1

ENERGY SAVINGS - TRINITY PETROLEUM SERVICES

Trinity Petroleum Services was formed in 1981 as a supplier of Mobil fuels and lubricants for the Cairns region. The company has a Head Office and depot facility, 13 Mobil branded Service Stations, 3 marine refueling facilities, 7 road tankers and 95 staff.

The Head Office is located in Cairns and they service north to the Torres Straight Islands, south to Cardwell and west to Burketown

THE PROJECT

The project was to develop actions to reduce energy costs for the business which included the 13 service stations, the head office and depot facility. Fuel used for transport was excluded from the project.

THE CHALLENGE

To understand how the business operated and how energy was being used. We also needed to understand the businesses future plans and energy needs to develop effective energy solutions for the future.

THE SOLUTION

The solution was to develop an Energy Saving Plan for the business which provided an overall corporate direction as well as plans for each facility. The individual plans were used by each site manager to reduce energy usage and costs.

To develop the plans Energy Audits were conducted for each facility to AS/NZS 3598:2000. This provided a clear understanding of how energy was being used and identified that the key functions for energy use were refrigeration and air conditioning.

From this information actions to reduce energy usage were developed in all areas with a focus on air conditioning and refrigeration.

Once the actions were developed Evolve Energy provided training for the site managers so they understood the energy usage of the existing facilities and what actions they could be implemented to reduce energy usage. The training covered the key areas of savings which were - effective use of refrigeration, air conditioning and lighting.

THE COST SAVINGS

The estimated energy cost savings that would be realised from implementing the energy savings plan is \$85,097 per annum and greenhouse gas emissions can be reduced by 803,387 (kgCO²e).

THE FACTS

Annual CO²e savings identified 803,387 (kgCO²e)

Annual energy cost savings identified \$85,097

