



POWERING THE MRF

The NAWMA Material Recovery Facility (MRF) processes around 53,000 tonnes of household recyclables collected from the kerbside each year. This is a large operation requiring 50 staff to work 18 hours over two shifts/day. A lot of specialised equipment is also used. To offset some of the electricity use and associated greenhouse gas emissions, we have installed a 100kW Solarcare solar system on the MRF roof which is combined with a 250kVAR power factor correction system (to enhance and improve the efficiency of the motorised equipment).

Our aim is to generate more than 140,000 kWh of electricity and reduce our carbon footprint by around 73 tonnes of CO₂e each year. We're also looking forward to the ongoing financial savings – predicted to be approximately \$1.9 million over the next twenty-five years.

Environmental benefits of installation after first three months



CO₂ Emission Saved
15,902.61 kg



Equivalent Trees Planted
53.14

