

Frew Foods: 10,183 VEECs from a biomass boiler upgrade chops energy costs - Northmore Gordon

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Removal covers activities that permanently remove CO₂ from the atmosphere such as new forestry plantations, soil carbon improvement or carbon capture and storage. certificates Live Certificate Prices The value of certificates change day-to-day, check todays prices Solar VEECs (VEU PBA) VEU PBA for Large-scale Solar Measurement & Verification (VEU & ESS) M&V; for Large C&I; Efficiency Projects (VEU PBA & ESS PIAM&V;) BESS Calculator Estimate the Peak Reduction Certificate revenue available to your NSW battery project in minutes ERF & Carbon Credit Registration ACCUs for Emission Reduction Projects Boiler Upgrades (VEU & ESS) NSW & VIC Boiler Rebates REC Registration (I-RECs & LGCs) Register renewable assets for I-RECs and LGCs Trade RECs & Carbon with us Trade Local & International Environmental Attribute Certificates moREnewable100 (RECs & Offsets) Reach Global Sustainability Goals with Certificates and Offsets Deemed Certificates (VEU & ESS) NSW & VIC Rebates Global Certificates Environmental Attribute Certificates Australian Programs Australian EAC Programs Case Studies Sectors Articles Team More Close More Open More Northmore Gordon Learn more about Northmore Gordon with the latest news and insights, were to find us, and the extensive terminology used in emissions reductions About Us Who we are & what we do in energy efficiency & decarbonization. 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Thank You Sincerely.” – Robert Frew, Owner & Managing Director at Frew Foods International Pty Ltd The Client Frew Foods International is a large wholesaler of quality lamb and sheep meat products to the major supermarkets and butchers across Australia. As a halal and tier 2 accredited processor, Frew Foods exports to over 100 countries across all major continents including Europe, North America, South America, the Middle East, Africa and Asia. Their modernised abattoir in Stawell, Victoria employs over 500 people and has the capacity to process over 6000 lambs and sheep a day. Key Facts Equipment Upgraded – Installation of 3MW biomass boiler and 90,000 litre heat storage tank Annual Energy Savings Electricity or gas savings or both. – 21,160 GJ A gigajoule (GJ) is the equivalent to 1 billion joules. A joule is a measure of the energy required to send an electrical current of one ampere through a resistance of one ohm for one second. One GJ is equal to 277.8 kilowatt hours (kWh), 1.055 million British thermal units (Btu) or 0.17 barrels of oil. Gas Certificate Value – \$800,000 Program – Victorian Energy Upgrades (VEU Victorian Energy Upgrades is a Victorian government energy efficiency program that gives every Victorian household and business the opportunity to receive rebates or discounts on energy saving products.) Method – Project Based Activities (PBA Project Based Activities) The Project The site’s Energy Conservation Measure (ECM Energy conservation measure) upgraded its boiler system to replace the natural gas fired boilers from the existing boiler room with a biomass boiler in the biomass shed. The biomass boiler is fueled with locally sourced sawdust. The replacement included the installation of a 3 MW thermal biomass boiler with associated pipework, fittings and additional gantry, connection to the existing hot water circuit, and isolation of the existing natural gas boilers. Challenges M&V; modelling challenges imposed by COVID restrictions Logistic issues with product fuel delivery due to COVID Drastic gas price variations Outcomes More hot water capability with lower carbon emissions Less affected by natural gas price variations Our Role Northmore Gordon provided an end to end service to ensure the project complied

with the Victorian Energy Upgrade Program to maximise the financial incentives. Northmore Gordon's Certified Measurement & Verification Professionals (CMVPs) created the M&V; plan, collected site data and supporting evidence, built the baseline and operating energy models to calculate the energy savings. Subsequently we wrote the M&V; report, and then created and traded VEECs on the clients behalf. For more information contact: c.morgan@northmoregordon.com Based in Stawell, Victoria, Frew Foods is a leading Australian meat processor and exporter specialising in lamb, mutton, and goat products. Industry Wholesaler Location Victoria, Australia Hamish McGovern Group Managing Director Contact Hamish > You may also like: Case Studies Turning a Regional Utility into an Active Energy Market Participant Case Studies Visy Gibson Island: 34,000 t CO₂e Cut a Year With Waste-to-Energy Case Studies MainStream Aquaculture: \$19K Grant funds a heat pump electrification project Case Studies Kalafatis Fresh Produce: \$283K in Solar Certificates Case Studies Poultry Client Set to Hit 2030 & 2050 Carbon Emissions Targets Case Studies Greenham: Moving Towards Decarbonisation Get in touch Australia 1300 854 561 (Advisory) 1300 878 500 (Certificates) Melbourne Suite 1, Level 4 607 Bourke Street Melbourne VIC 3000 Singapore +65 6690 2480 Singapore 1 Keong Saik Road, Singapore 089109 Stay up to date Alternatively, complete the form and we will be in touch with you. First Name Last Name Email Phone Number Country Australia Singapore Subject Message Send Services Energy Audit Services M&V; Services EEO Assessments Corporate Energy and Carbon Management Grants and Program Strategic Energy Sourcing Virtual Energy Manager Climate Active Certification Sectors Animal Processing Chemical Processing Commercial Buildings Food & Beverage Manufacturing Mining Oil & Gas Pharmaceutical & Health Products Public Sector Waste & Wastewater Wood, Paper & Cardboard Processing Upgrades Boiler Upgrades Commercial Lighting Hot Water Systems Mid Scale Solar NABERS Public Lighting Refrigerated Display Cabinets Solar PV Small Scale UPS Certificates Live Certificate Prices International Renewable Energy Certificates Tradable Instrument for Global Renewables Australian Carbon Credit Units Energy Savings Certificates Large-scale Generation Certificates Small-scale Technology Certificates Victorian Energy Efficiency Certificates Government Schemes Emissions Reduction Fund Energy Savings Scheme Renewable Energy Target Victorian Energy Upgrades Helpful Links About us Meet the Team Careers Contact us Articles News Glossary Privacy Policy Complaints