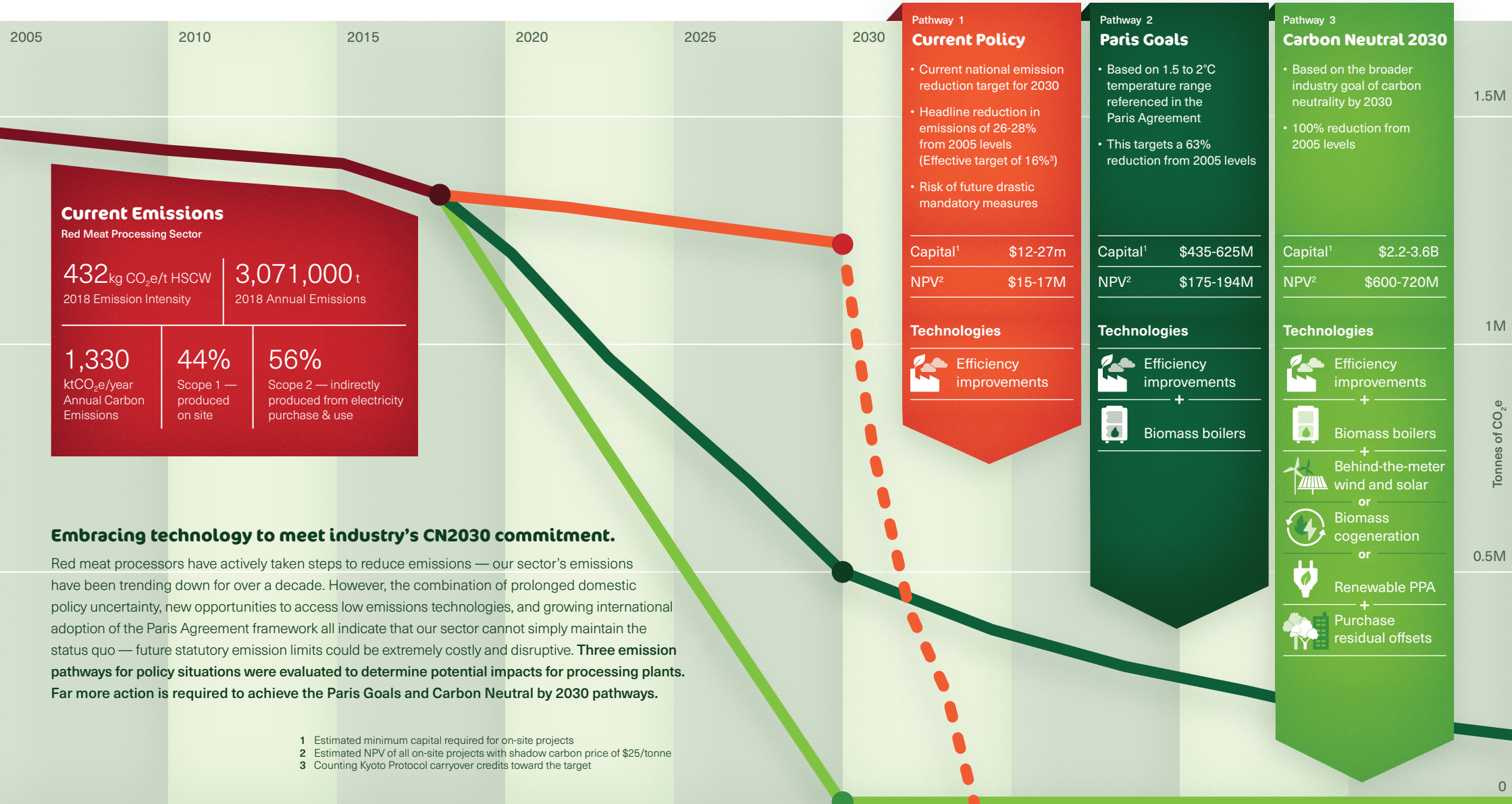


Report Emission reduction pathways and opportunities for the Australian red meat processing sector



AUSTRALIAN MEAT PROCESSOR CORPORATION

Managing our carbon emission opportunities now, to minimise the risk of high-cost solutions in the future.

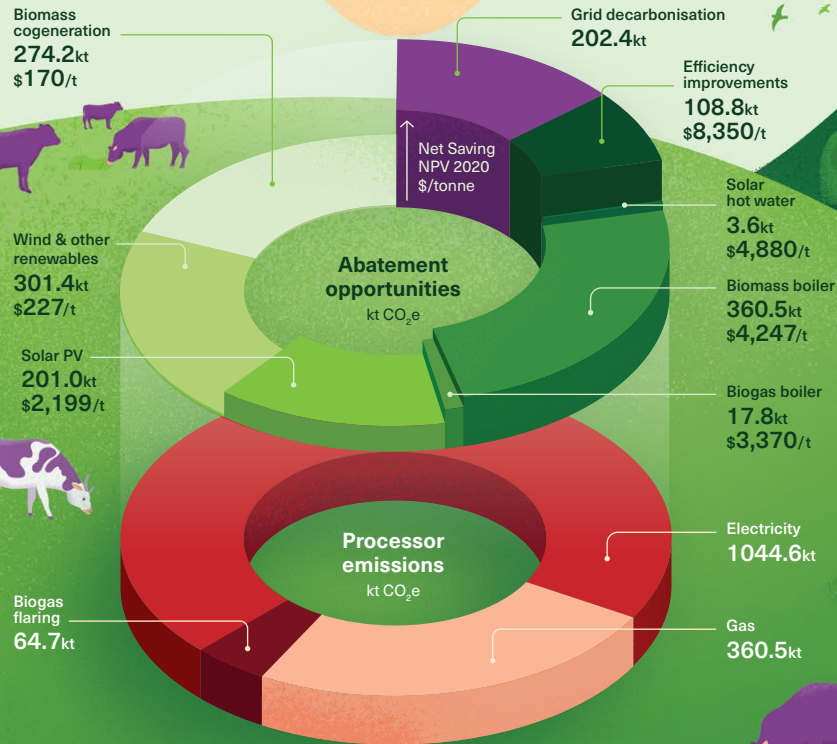


Decarbonising our sector

After implementing efficiencies, emission reduction can be found in renewable energy generation projects, with biomass / biogas boilers and solar PV giving the best NPV. Large-scale processors have more opportunity to reduce carbon emissions where economies of scale can be applied (eg. transitioning from natural gas to biogas where significant emissions are attributable to rendering operations).

Aggregated Power Purchase Agreements and energy efficiency are opportunities for small-scale processors.

Achieving Carbon Neutral 2030⁴



Abatement opportunities vary for plant sizes

Rendering typically occurs in large facilities, leading to greater gas consumption, and thus greater savings and abatement opportunities in fuel combustion and thermal efficiency.



Large Plant Gas⁵
24.7% of total emissions



Small Plant Gas⁵
17% of total emissions

⁴ Low grid decarbonisation scenario
⁵ Metrics based on typical small and large plant

Recommendations to Australian meat processors



Know your emissions

Develop systems to measure, monitor, and actively manage your emissions so you can track changes to your emissions profile.



Prioritise

Identify key first actions using AMPC tools and guides to determine which emissions you should address first.



Prepare for policy changes

Use a shadow carbon price to help weight projects with the greatest potential. Monitor changes in grid electricity emissions and renewable energy approaches.



Plan ahead

Develop a long-term plan to progressively reduce your emissions and prepare for policy changes, particularly when funding assistance becomes available.



Collaborate

Leverage the AMPC as a central coordinator for knowledge sharing, project development, funding and buying aggregation (eg. Power Purchase Agreements).

Working towards our decarbonisation goals

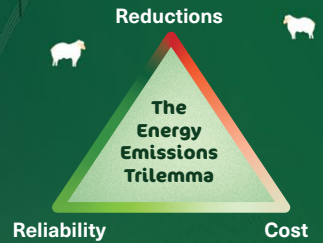
AMPC understands the Energy Emissions trilemma and has projects underway to help our members.

Aggregated waste to energy

Investigating the techno-economic feasibility for larger plants to combine waste to energy processes from our members' communities and supply chains, reducing fossil fuel consumption.

Hydrogen & Biomass

Investigating the techno-economic feasibility for plants to utilise clean hydrogen & biomass across transport, supply chains and reducing fossil fuel consumption.



Refrigeration energy efficiency

conducting workshops with small, medium and large plants to help uncover new energy efficiencies within refrigeration and thermal energy operations.

Energy & water benchmarking

providing workshops with a tool for plants to compare their energy and water use, while discovering action-based opportunities to improve productivity and reduce emissions. Assisting with PIP-funding and directing to state-based grants.

Start measuring your energy, water and waste today.

Contact AMPC for help and advice on which technologies are right for you.

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