



Capability Statement

Renewable Energy Feasibility Studies

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Capability Statement

Renew conducts technical and economic analysis into the feasibility of renewable energy and energy efficiency systems across a range of project scales and for a diversity of clients, including private business, local and state governments and community organisations.

With a pool of internal staff with backgrounds across engineering, electronics, climate analysis, urban planning, economics, retail energy and market regulation, Renew is uniquely placed as a 'one stop shop' for feasibility and pre-feasibility analysis projects.

Renew is also in the unique position of being able to draw on the experience of over 7,100 members nationally, who have a wide variety of skills and experience with developing renewable energy projects at all scales.

Given this depth of experience, Renew can also provide project management services and are able to deliver projects from early site analysis right through to install and commissioning.

In the emerging field of medium scale solar (10kW – 5MW), Renew has developed one of the most sophisticated energy flow and economic models in Australia, to understand project viability at a detailed level. The model incorporates:

- hourly solar radiation data;
- correlated with generation data from actual systems, geographically co-located;
- the ability to input or build a 30-minute load profile, for a maximum 30 year asset life;
- a range of energy trading relationships, reflecting different asset ownership structures;

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Renew has undertaken feasibility analysis for a variety of systems and clients, including:

Client	Project
Star 8 Solar Green Commercial	Feasibility Study for a 50kW – 500kW Community Owned Solar Farm at Woodend, Victoria
City of Stonnington	Technical feasibility and installer selection for a 40kW system at the Council Depot site
City of Port Phillip	Strategic Assessment of Small Wind Opportunities across the Municipality
Mornington Peninsula Shire	Technical and economic feasibility of aggregated solar photovoltaic and solar hot water for the Sorrento Zero Emission Neighbourhood precinct
Cape Patterson Eco Village	Technical and economic review of aggregated renewable energy and energy efficiency investments for a greenfields development on Victoria's south east coast
Department of Education & Early Childhood Development	Analysis of education of departmental staff of an aggregated solar project across 1500 Victorian schools

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