

## Solomon islands specific energy storage applications

### APPENDIX B - Barrier Analysis

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The Renewable Energy Strategy and Investment Plan (RE-SIP) lays out the Solomon Island's renewable energy targets and policy outcome and strategies and financial requirements for achieving a sustainable energy future for all Solomon Islanders.

The Solomon Islands is blessed with potential renewable energy resources however most of these resources have not been exploited due to a number of barriers and challenges including the geographical locations of these resources which are far away from available demand. In addition, there have been limited opportunities in terms of financial and technical resources and capacities, our cultural and social issues to enhance the use of these resources. These challenges have contributed to a low percentage of total populations having access to electricity.

The government realised the potential that the energy sector will contribute to the economic growth and therefore has included the energy sector as its priority list for investment. In 2009 through its foreign investment reform, the government has created better enabling environment for private sectors and investment through the amendment of its Foreign Investment Act 2005 and Regulation 2006. The government is looking well ahead to the contribution of the two renewable energy developments being supported for private investments; the Tina Hydro Power Development and the Savo Geothermal Project.

The targets that have been assessed and adopted in the 2014 National Energy Policy for utilising the renewable energy potentials are promising for all Solomon Islanders. The potential for renewable energy use and technologies for power generation has been assessed through the Asian Development Bank Renewable Energy Investment Plan and has identified renewable energy targets for the short term (2020), the medium term (2030) and long term (2050). There is expectation that the 100% renewable energy share in the power generation can be achieved by 2050. The RE-SIP is a five years strategy, therefore will provide guidance to meeting the short term renewable energy target of 50% renewable energy by 2020.

The Energy Division of the Ministry of Mines, Energy and Rural Electrification is to coordinate the effective deliverables of the RE-SIP and the SINEP policy outcomes for rural electrification while the state owned utility, the Solomon Islands Electricity Authority will coordinate the implementation of renewable energy options for the urban areas, including its outstations in the provinces.

Again I need to reiterate the need for the activation of a national Energy Advisory Committee, comprised of high -level multi-sectoral members tasked with assessing, monitoring the progress of the RE-SIP including other energy strategies and investment plans and to achieve the overarching focus area of our National

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Development Strategy; building better lives for all Solomon Islands.

It is with great pleasure to know that this RE -SIP when implemented effectively will contribute to improving the livelihoods of all the people of the Solomon Islands through the access to sustainable, appropriate and affordable energy services and therefore I urge all stakeholders and those that have interest in this RE -S IP to provide support, guidance and advice throughout its implementation and its future continuation.

I wish to thank all national stakeholders including the communities and the development partners that have contributed toward developing this renewable energy strategy and investment plan.

Minister for Mines, Energy and Rural Electrification

The Renewable energy strategy and investment plan (RE -SIP) provides a way forward for strengthening the renewable energy sector in the Solomon Islands, highlighting the potentials and investments for the renewable energy options, resources and technologies.

The RE-SIP has three main objectives;

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