

Preface

Energy security and climate change are very important issues in the world. At the 2nd East Asia Summit (EAS) in Cebu, Philippines in January 2007, the leaders of the region declared that East Asia could mitigate problems on these two issues by strong leadership on several countermeasures. These include promoting energy conservation, and utilising biofuels and adopting cleaner use of coal.

Two groups were designated to assist in implementing the countermeasures mentioned above: the Energy Cooperation Task Force (ECTF) and the Economic Research Institute for ASEAN and East Asia (ERIA). ECTF is responsible for supporting the efforts of the EAS and its Energy Ministers Meeting (EMM) to promote cooperation on policies to implement these countermeasures. ERIA is responsible for studying the potential impacts of the countermeasures and is focusing on energy studies in two areas: (i) promotion of energy conservation and (ii) utilisation of biofuels.

This report was prepared by the Working Group for Analysis of Energy Saving Potential in East Asia under the ERIA Energy Project. The report covers all research activities of the Working Group from August 2014 to May 2015, including methodology, estimated impacts of current energy saving goals, and policy recommendations to the ECTF. This report extends and enhances the analysis of the Working Group undertaken annually from 2007 to 2013.

The structure of this report is similar to the previous versions because of the application of similar methodology. However, one important accomplishment of this study is the development of energy efficiency targets for the countries that did not have targets when this project started in 2007. It could be said that these countries started adopting energy efficiency as an important energy policy as a result of this study.

This report hopefully contributes to mitigating problems related to energy security and climate change by increasing understanding of the potential for energy saving of a range of energy efficiency goals, action plans, and policies. A number of key insights for policy development are also discussed.

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