



# Hawai'i Natural Energy Institute Research Highlights

Energy Policy & Analysis; International Support

## Vietnam Low Emission Energy Program (V-LEEP) RPS Development

**OBJECTIVE AND SIGNIFICANCE:** Under this project, HNEI, in collaboration with the National Renewable Energy Laboratory (NREL), has advised Vietnam’s Ministry of Industry and Trade (MOIT) and other Vietnamese stakeholders on the design of a Renewable Energy Portfolio Standard (RPS) mechanism and roadmap for its implementation. The project resulted in a replicable structure and framework for evaluating best practices for renewable policy development in this rapidly growing economic region.

**BACKGROUND:** This effort, conducted in support of the U.S. AID funded V-LEEP involved analysis and development of a design and implementation roadmap for an RPS to increase deployment of renewable energy projects in Vietnam. Based on research of the Vietnam power sector and power market reforms and other announced changes, HNEI and NREL assessed international RPS models, identified best practices applicable to Vietnam, and prepared a draft RPS roadmap. That was followed by public and private sector consultations to seek input on findings and approaches in support of Vietnam’s renewable energy development system (REDS) action plan.

**PROJECT STATUS/RESULTS:** Key outcomes of this effort included the following work products:

- A report of international leading practices for RPS policies co-authored with NREL, available at <https://www.nrel.gov/docs/fy19osti/72798.pdf>.

- A written administrative and monitoring structure for a Vietnam RPS featuring a planning and reporting strategy and accounting, enforcement, flexibility mechanisms, and cost recovery components largely based on Hawai‘i’s structure and experience.

During the week of 13-18 March 2019, a mission report of all project work products and outcomes (see figure below: Approach to Support REDS Action Plan and RE Portfolio Standards) were presented to MOIT and other national executive branch agencies and jurisdictions, utilities, and energy stakeholders in a series of outreach and advisory meetings in Hanoi and Ho Chi Minh City.

The mission report and draft Vietnam RPS implementation roadmap is also intended to help inform HNEI’s broader role in supporting the Electricity and Renewable Energy Authority (EREA) on Vietnam’s energy transition under a bilateral Memorandum of Understanding executed on October 25, 2019.

*Funding Source:* Office of Naval Research, APRESA

*Contact:* Mark B. Glick, [mbglick@hawaii.edu](mailto:mbglick@hawaii.edu), (808) 956-2339

*Last Updated:* October 2020

