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# **Supporting Climate-Smart Infrastructure in Southeast Asia**

# USTDA's mission

Support sustainable infrastructure development and economic growth.

Connect overseas partners to U.S. technology and industry expertise.





## Supporting infrastructure development across ASEAN

USTDA has supported over **485** major infrastructure projects in all **10** ASEAN countries.

**\$117**

U.S. exports  
generated for  
each \$1  
invested

USTDA's Regional Office is based in **Thailand** with country offices in **Indonesia**, **Malaysia**, and **Vietnam**



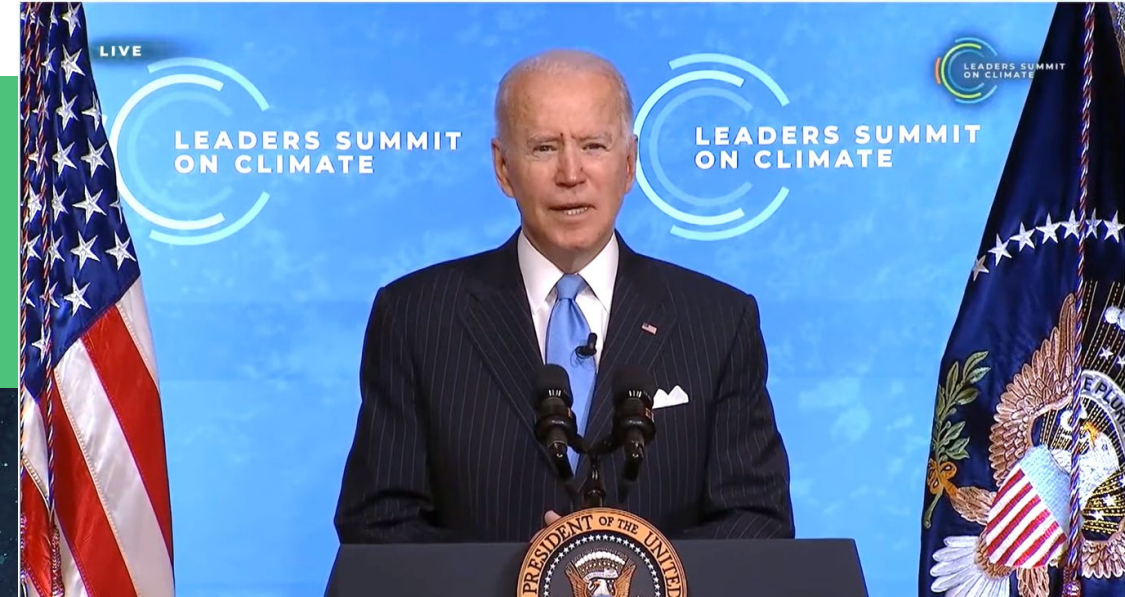
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# Global Partnership for Climate Smart Infrastructure

## GPCSI Goals:

- Put emerging markets on a sustainable climate pathway.
- Connect U.S. industry to major clean energy and transportation infrastructure projects in emerging markets.



*USTDA brings U.S. industry together to advance climate-smart infrastructure in emerging markets.*





# USTDA's Tools

## **Project Preparation Grants**

- Feasibility studies
- Master plans
- Technical assistance
- Engineering and design
- Pilot projects

## **Partnership Building Programs**

- Reverse trade missions
- Conferences & workshops
- Training

# Project Preparation Grants

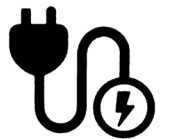
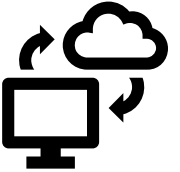
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[ustda.gov/work](https://ustda.gov/work)

- **Thailand:** Fleet Decarbonization & EV Platform Roadmap (SCG)
- **Vietnam:** Bac Lieu Transmission Line Feasibility Study (MCEI)
- **Tonga:** Power Sector Decarbonization Feasibility Study (TPL)

USTDA grants fund **feasibility studies, technical assistance, and pilot projects** that provide the comprehensive analysis and planning required to advance projects from concept to financing and implementation.

These tools help public and private sector partners to advance climate objectives and sustainable infrastructure development.





# Thailand: Fleet Decarbonization Strategy & EV Platform

**Grantee:** SCG International (SCG)

- A USTDA grant to SCG is developing a roadmap to guide the deployment of EV fleets and charging infrastructure across the company's operations in Thailand.
- Detailed analysis and plans to accelerate EV adoption and the installation of charging stations and integrated renewable energy infrastructure at hundreds of sites.
- Design pilot projects at three identified sites.
- [ustda.gov/ustda-supports-electric-vehicle-transition-in-thailand](https://ustda.gov/ustda-supports-electric-vehicle-transition-in-thailand)



## USTDA and SCG Grant Agreement Signing Ceremony Thailand SCG Industrial and Commercial EV Project



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Managing Director,  
SCG International Corporation Co., Ltd.



Mr. Witthu Vejajiva  
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# Vietnam: Bac Lieu Transmission Line Feasibility Study



**Grantee:** Mekong Clean Energy Interconnection (MCEI)

- USTDA's grant to MCEI will fund a feasibility study to support the development of a new 130-kilometer, 500 kV transmission line project.
- The study would provide the necessary technical, financial, environmental, and other data required to finance and implement the interconnection infrastructure.
- The transmission line will support renewable energy integration to help meet the rising power needs of the Mekong River Delta and Southern Vietnam.
- <https://ustda.gov/ustda-advances-clean-energy-transition-in-vietnam/>



# Tonga: Power Sector Decarbonization Feasibility Study



**Grantee:** Tonga Power Limited (TPL)

- USTDA's grant to state-owned utility TPL will fund a feasibility study to support decarbonization of the power sector in Tonga by improving efficiency and increasing distributed energy resources (DERs) in TPL service area.
- The study will analyze the technical and economic feasibility of a variety of DERs and infrastructure solutions, including RE installations, electric vehicles, public transit fleet conversion, and smart grid infrastructure.
- <https://ustda.gov/ustda-signs-infrastructure-deal-in-tonga-expands-pacific-island-commitments/>

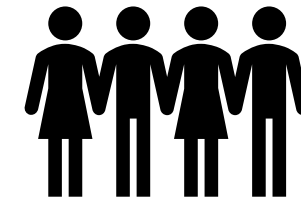
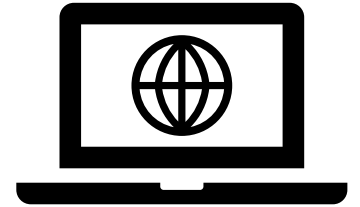
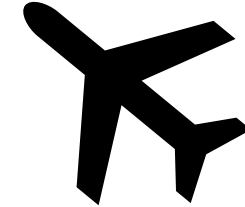


# Partnership building programs [ustda.gov/events](https://ustda.gov/events)

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- **Thailand:** EGAT Executive Training Mission
- **Thailand:** Railway Modernization RTM
- **Indonesia:** Waste to Energy RTM

USTDA **Reverse Trade Missions (RTMs)** bring public and private sector officials to the United States for 1-2 week visits to learn about U.S. technology and industry best practices.





# Thailand EGAT Executive Training Program

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- The program will train executives from Thailand's power utility EGAT on new technologies and management best practices.
- Introduce solutions to accelerate Thailand's power sector decarbonization goals.
- Meetings and site visits in DC, CO, CA, TX



# EGAT



# Thailand Railway Modernization Reverse Trade Mission

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- A USTDA mission will familiarize Thai rail officials with U.S. technologies, services, and best practices for modernizing and expanding rail systems.
- The program will support Thailand's efforts to improve efficiency of logistics networks and lower emissions from road transport by shifting market share to rail.
- Meetings and site visits in DC, IL, NY





# Indonesia Waste to Energy Reverse Trade Mission

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- A USTDA mission will introduce energy sector representatives from Indonesia to **U.S. technologies & best practices** for biomass and municipal solid waste processing and power generation.
- The mission will share solutions for enhanced waste management and reduced GHG emissions and pollution.
- Meetings and site visits in DC, IL, CA



# Submit grant concepts to USTDA

## Key criteria:

1. Positive development impact
2. Financial and economic viability
3. U.S. export potential

## Contractor selection options:

- Competed
- Sole-Source

## Grant amount:

- No set limits
- Average \$500,000 - \$1,500,000

## Project sponsors:

- Government
- State-owned enterprise
- Private sector

## Proposals:

- Visit USTDA's website for more info:  
[ustda.gov/work/propose-a-project](https://ustda.gov/work/propose-a-project)
- Contact USTDA for initial discussion
- Submit concept note





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## Connect with USTDA



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