

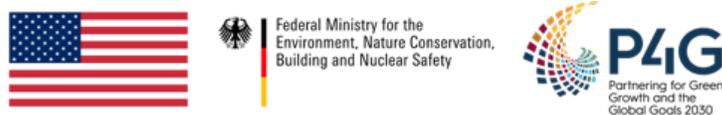


CLEAN ENERGY INVESTMENT ACCELERATOR

The CEIA is co-led by the **World Resources Institute (WRI)**, **Allotrope Partners**, and the **National Renewable Energy Laboratory (NREL)** working across emerging markets, including Vietnam, the Philippines, Indonesia, Mexico, and Colombia.



The CEIA is supported by key partners, including:



Work centers on three essential elements to mobilizing finance for clean energy at scale

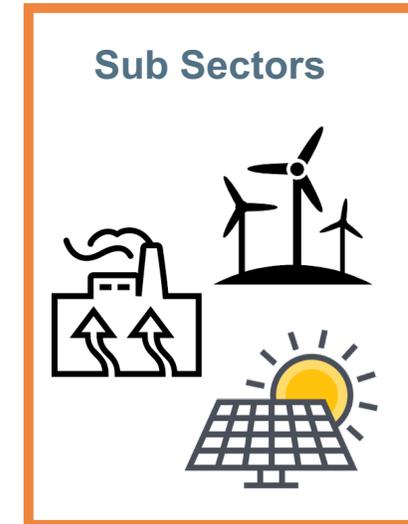


Philippines



Philippines: Identifying Sectoral Approach

- **Developed a subsectoral focus that adheres to the Philippines NDC and other national policies.**
 - Philippines NDC: Cut emissions by 70% below business-as-usual (BAU) by 2030
 - Renewable Portfolio Standards (RPS): RE equals 35% of total consumption by 2030
- **Key stakeholders:**
 - **Government and utility partners:** Department of Energy, National Renewable Energy Board, National Energy Association, Philippines Rural Electric Cooperatives Association, Climate Change Commission, Santa Rosa City Local Government Unit
 - **Development partners:** USAID, GIZ, ICLEI, Building Efficiency Accelerator)
 - **Industry partners:** Santa Rosa companies, including several major multinational car manufacturers
- **Challenges**
 - Energy (general): Highest energy costs in Southeast Asia; must triple installed capacity in next 20 years; currently, rolling brownouts; 10 GW of new coal planned;
 - Previous RE subsidies were phased out; dry spells impact hydro; 120 distribution utilities to implement RPS



Philippines: Examples of Progress to Date

Capacity Building with Distribution Utilities/Rural Cooperatives to meet and exceed new RPS

- CEIA held an **electric cooperative training event** in coordination with La Union Electric Cooperative on RE procurement pathways to meet RPS.
 - Focused on: 1) Contracting options, 2) Recent emerging policies, 3) Mechanisms for fast-tracking distributed generation deployments, and 4) Ways to incorporate grid services from RE into PPAs.
- CEIA also led the **Philippines' first public consultation webinar with the Philippines Department of Energy**, training participants on new Green Energy Option Program (GEOP) and new RPS and explore implications for private sector investment opportunities.

Supporting corporate procurement in Santa Rosa City

- CEIA Philippines team signed **Memorandum of Agreement (MOA) with City of Santa Rosa following meetings with the city council**. MOA lays groundwork for direct RE and EE collaboration, and for ongoing partnership with City Environment and Natural Resource Office (CENRO).
- Via CENRO, CEIA reached 60 Santa Rosa businesses and **issued market research questionnaire**.
 - Examined firms' potential interest, perceptions, and concerns with solar and GEOP.
- CEIA in March 2019 hosted 50 city officials and private business stakeholders in groundbreaking public-private Santa Rosa dialogue.
 - Learned about evolving purchasing options and explore initial steps toward clean energy deployment.
- **CEIA is currently initiating an aggregated project pool with Santa Rosa city**

- **Significant barriers remain for firms buying onsite generation (i.e. net metering capacity cap.** Third-party financed, onsite projects face significant regulatory and project risks: 1) **Rapidly changing policy environment**, 2) **tax incentive uncertainty**, 3) **different contract arrangements** for different buyer classes, and 4) **Cumbersome, complex regulations**.
- **Offsite opportunities are emerging**, but uncertainty persists and significant effort required to unlock offsite RE at scale.
 - Power wheeling previously limited to large-load customers. New GEOP policy allows wheeling for demands over 100kW. But implementation date is uncertain. And lack of clarity in key policy details remain.
 - Current wheeling fees vary across distribution utilities and there's no retail supply-rates central platform for transparency, so lack of awareness will remain a major barrier once GEOP takes effect.
- **Cities can utilize environmental codes to promote corporate investment** within their districts as well as mandates on government buildings
- **Many distribution utilities are privately owned and are often important RE investors:** Invest directly in RE projects (sign long-term contracts with independent power producers, and/or buy renewable energy certificates [RECs] from qualified projects).

Philippines: Emerging Opportunities

PURCHASER ENGAGEMENT

- **Support companies within additional municipalities - in partnership with new local government** units and building off of the Santa Rosa experience - to demonstrate additional aggregated procurement models
- **Train an additional 40 privately held co-opportunities** on best practices for RE development, contracting, and integration of variable renewable energy

POLICY ENGAGEMENT

- **Facilitate public-private dialogues** between businesses, city leaders, and national government entities on emerging policy opportunities and mechanisms for enabling greater private sector investment in clean energy
- **Develop a train-the-trainers program** to build capacity among rural cooperatives to meet and exceed the new RPS requirements and implement the GEOP

REPLICATION AND LEARNING

- Document and share learnings from Santa Rosa and other aggregated procurements, including **updated guidebooks and sample Requests for Proposal** that can enable replication and scaling
- Engage with **Building Efficiency Accelerator** to explore corporate investment opportunities that combine EE with RE
- Share learnings from Philippines across other SE Asian markets