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## CLEAN CITIES, BLUE OCEAN

### Indonesia

#### KEY FACTS

**2nd** largest contributor to global ocean plastic pollution

By **2025**, expected waste generation will be **150,000** tons daily

National goals aim to manage **100%** of solid waste by **2025**

#### THE CHALLENGE

Indonesia is the largest archipelagic country in the world and the fourth most populous, with over 270 million people. Across many of its 11,500 inhabited islands, the country has experienced rapid population growth in its urban centers, of which 63 percent are located in coastal areas. By 2025, over two thirds of the country's population is expected to live in urban areas. Across the islands, cultures, languages, and urban landscapes vary greatly, as do solid waste management (SWM) systems and their levels of efficiency—challenging them to keep pace with continued growth.

Each day, 85,000 tons of waste are generated nationally with an expected increase to 150,000 daily tons by 2025. Of this, it is estimated that only half of what is generated in urban areas is collected, and most is not disposed of in ways that are prone to environmental leakage and other harmful human and environmental impacts. Indonesia must not only strengthen its waste management system to address current waste rates, but also keep pace with projected urbanization and population growth.

Indonesia's national government has set ambitious goals to manage 100 percent of solid waste and reduce the country's contribution to ocean plastics by 70 percent by 2025. USAID Clean Cities, Blue Ocean's (CCBO) engagement in Indonesia comes at a pivotal time for progress on plastic pollution, providing support to achieve its national SWM strategies, including its National Action Plan on Marine Debris (2017-2025) and Indonesia Solid Waste Management Platform (ISWMP), and helping to advance the enabling environment required for systemic, sustainable change.

#### OUR APPROACH

To address these challenges, CCBO offers **state-of-the-art international technical expertise and sustainable, locally-led solutions through its local grants program**. CCBO seeks to develop, test, and implement new models that promote reducing, reusing and recycling (3R) practices and enhance SWM; facilitate partnerships and investment around key needs, such as infrastructure; and strengthen local systems to build Indonesia's resiliency. Where possible, CCBO seeks to learn from and expand on the success of proven initiatives by local government, non-governmental organizations, other international donors and development agencies, and USAID's Municipal Waste and Recycling Program.

CCBO's four, guiding objectives are to:

- **Promote 3R practices and strengthen local and regional markets** for recycled plastics;
- **Build social and behavior change** for 3R's and sustainable SWM;
- **Increase capacity and effective governance** for SWM and recycling systems; and
- **Facilitate public-private partnerships** and multi-stakeholder alliances to bolster the program's impact, scalability, and sustainability.

Across its approach and activities, CCBO works to support and enhance the livelihoods of informal waste collectors (IWCs), as well as advance women's economic empowerment by improving social and economic conditions that impede women's ability to work successfully in SWM and recycling jobs. IWCs, of which a large portion are women, play a significant role in SWM. Through waste collection and sorting, they divert waste away from landfills and contribute to communities' local economies, public health and safety, and environments. Despite their critical roles, they are commonly underrepresented, face poor working conditions and social stigmas, and women working in the sector earn far less than their male counterparts.

## ENGAGEMENT SITES

In Indonesia, CCBO is piloting solutions to stop the flow of plastic pollution to the waters within and surrounding the country, including Java, and Banda Sea, as well as Celebes Strait through work in:

- **Kota Semarang** - The capital city of Central Java Province, with an industrial port and estimated population of 1.7 million. Semarang's current waste system is estimated to cover only about 60% of the total waste generated, and plastic pollution and its impacts in and around the city are visibly growing.
- **Kota Makassar** - The country's fifth populous urban center, at 1.5 million, and the capital city of South Sulawesi Province. Makassar has experienced rapid economic growth, exceeding the average growth rate of Indonesia. City waste production has been shown to increase day over day, with demonstrated need for more consistent collection rates and services amongst communities.
- **Kota Ambon** - Directly located in the Ambon Bay area—an area of strategic environmental and economic importance to Maluku Province and famed for its coral reef ecosystem and conservation areas.



Open dumps, as pictured here, are common in CCBO's engagement sites and pose many threats to the environments and communities that surround them. Credit: USAID Municipal Waste Recycling Program/ Tigor Sabas Manalu

## ACTIVITIES

CCBO will design, implement, and scale holistic, watershed-specific strategies that address each step in the waste value chain—from production to its end use—prioritizing the most inclusive, economically viable, and environmentally sustainable solutions. In the first year of the project, CCBO will:

- Conduct critical **site-level research** to understand engagement sites' specific challenges in SWM and enforcement, behavior change, and barriers to private sector investment;
- **Award grants** to local partners to begin implementing effective, locally-led solutions to achieve program objectives;
- **Support national implementation of Indonesia's Solid Waste Management Platform (ISWMP)** through national-level collaboration and site-level activities that advance its progress; and
- Provide **additional technical assistance and capacity building** support using international and local program staff.

## ABOUT CLEAN CITIES, BLUE OCEAN

USAID's Clean Cities, Blue Ocean is a five-year global program (2019-2024) to combat ocean plastic pollution. CCBO is the Agency's flagship program on ocean plastic pollution, working at the global level and in specific, rapidly urbanizing focal countries to target ocean plastics directly at their source. The program is implemented by Tetra Tech, in partnership with a consortium of organizations that include the International City/County Management Association (ICMA), The Manoff Group, and Ocean Conservancy. Other partners include national and local government, members of the private sector, non-governmental organizations, and local women's and youth organizations.

### Sources:

*The World Bank Group, et al. "Indonesia Marine Debris Hotspot: Rapid Assessment Synthesis Report, April 2018.*

*USAID Communications, Evidence and Learning (CEL) Project. Rapid Assessment of the Municipal Solid Waste Management Sector in Indonesia: Opportunities for Engagement, 2020.*



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