



ADB Building Initiatives and Sustainability Solutions

Corporate Services Department

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Agenda

- E2HSMS background
- ISO Certifications
- ADB E2HSMS Sustainability Initiatives
- LEED Platinum
- Sustainability Roadmap



E2HSMS

Energy, Environment, Health and Safety Management System

an integrated management approach that combines ISO 50001, 14001 and 45001, is designed with primary objectives of:

- Promote environmental sustainability and reduce the organization's carbon footprint.
- Optimize energy usage and enhance efficiency
- Ensure a safe and healthy work environment for all employees.



Energy



Water



Paper



Waste



Chemical



Health & Safety



GHG

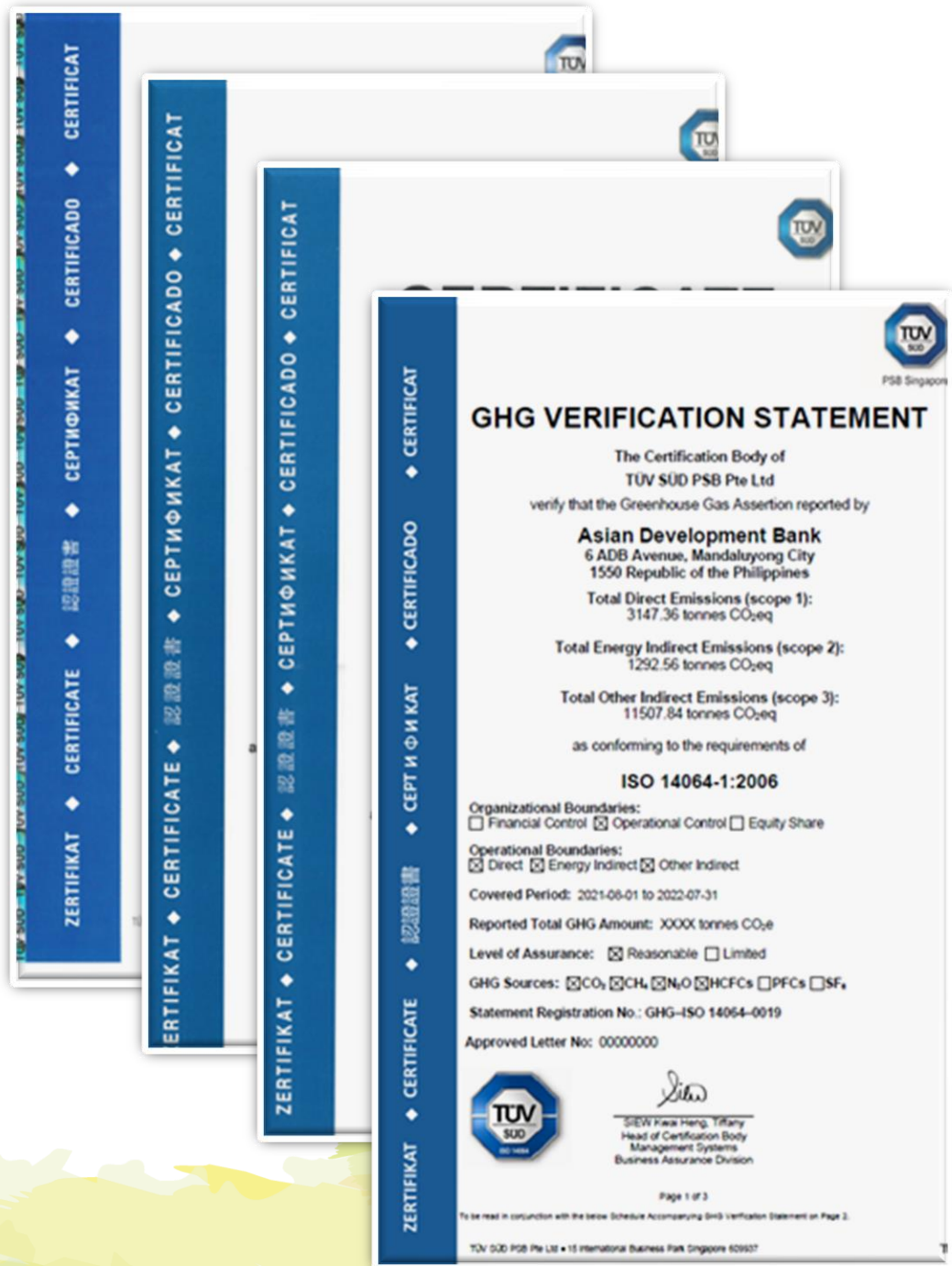


Legal

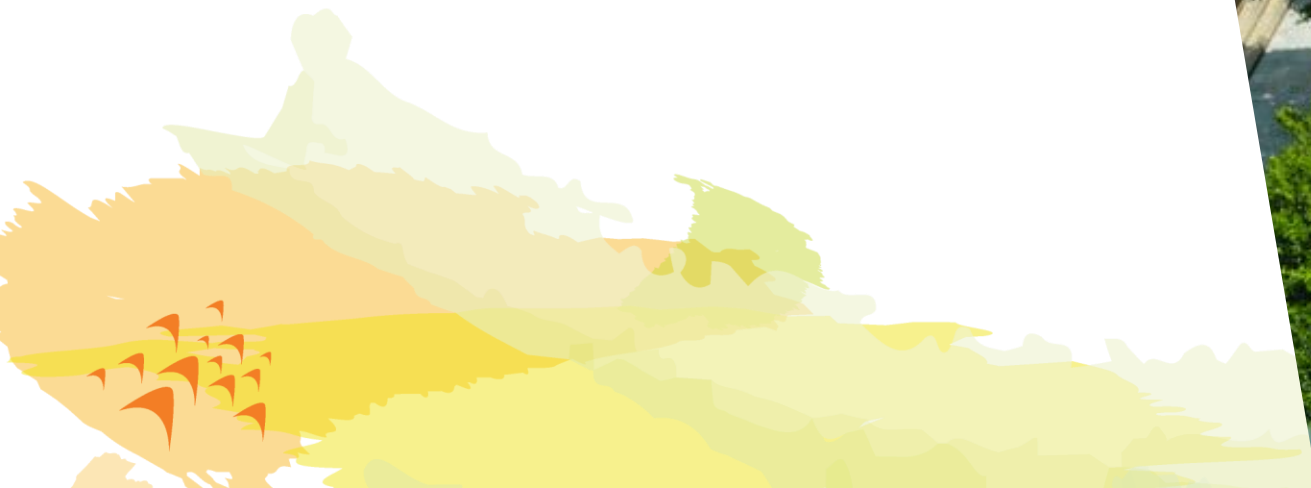


ISO Certification

- **ISO 50001:2018**
Energy Management System
- **ISO 14001:2018**
Environment Management System
- **ISO 45001:2015**
Occupational Health and Safety Management System
- **ISO 14064-1:2018**
Greenhouse Gas Emission



ADB E2HSMS Sustainability Initiatives



100% Renewable Energy

 **16,682 MWh**
2023

- Minimize carbon footprint
- Reduces reliance on finite resources



SOLAR
3%



GEO THERMAL
97%




WIND



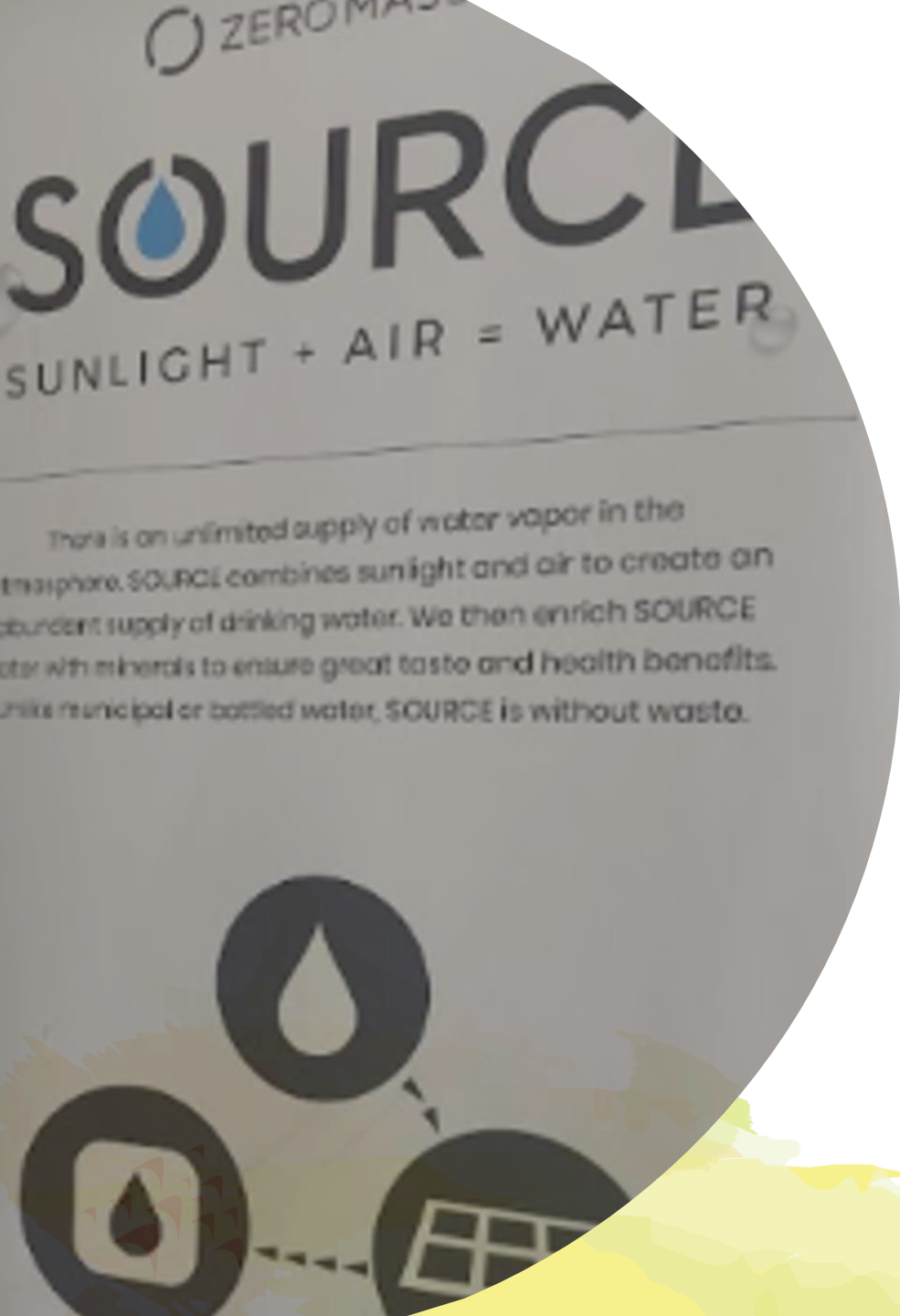
SOLAR

RAINWATER AND RECYCLING WATER USE

- Resource-efficient practices minimizing environmental impact.
- Cost savings from reduced reliance on potable water.
- Positive environmental stewardship by reducing wastewater discharge.

 10,950 cu.m
2023



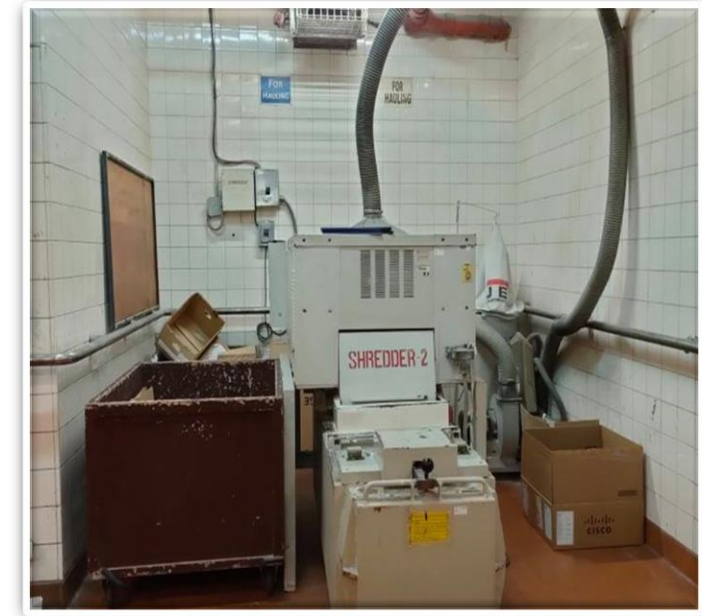


"Zero Mass" - Water Generator

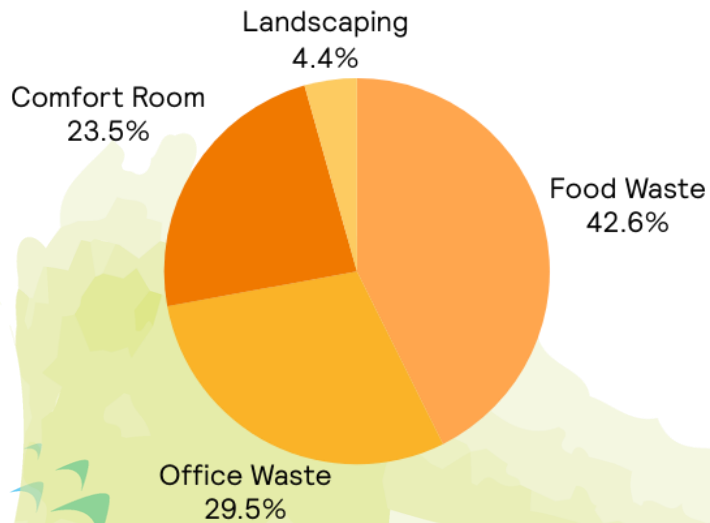
There is an unlimited supply of water vapor in the atmosphere. SOURCE combines sunlight and air to provide an abundant supply of drinking water.

Waste Management

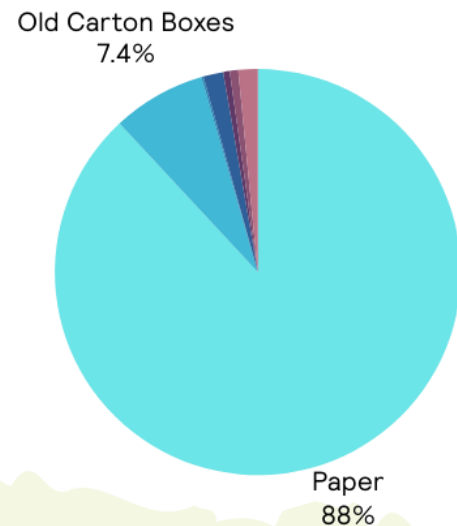
- Diverts recyclables from landfill-bound waste
- Fosters resource recovery and recycling
- Reduces environmental impact by promoting a circular waste loop.



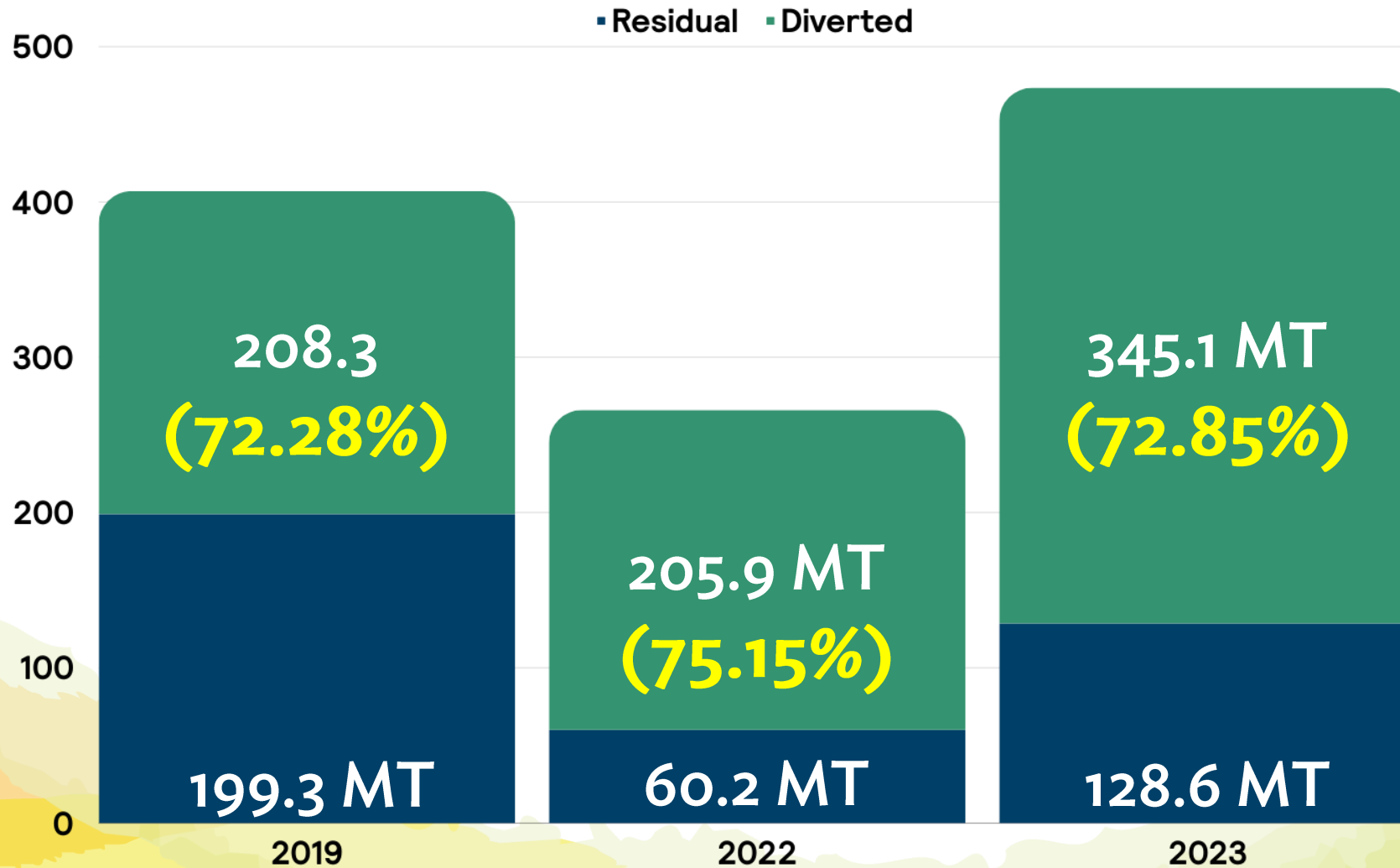
RESIDUAL WASTE



RECYCLABLE WASTE



Waste Generation Summary

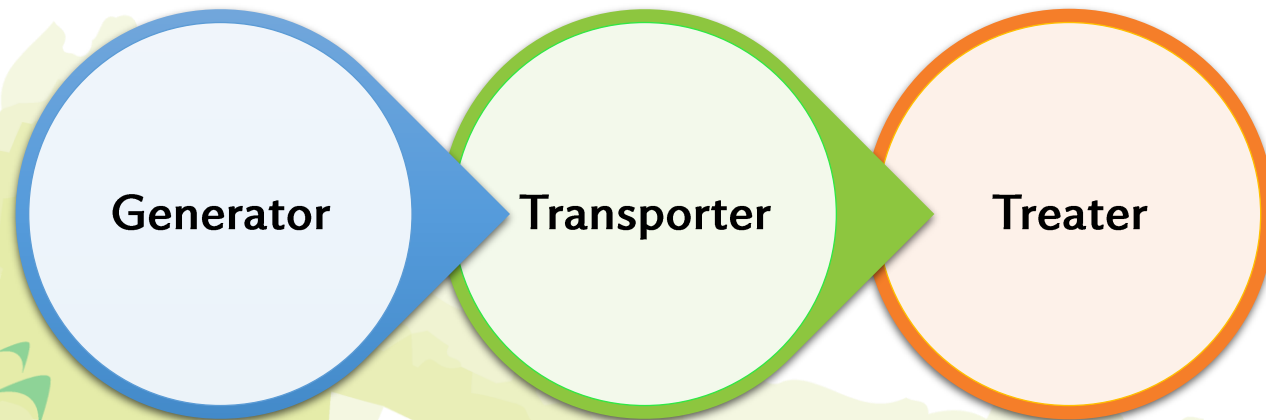


Hazardous Waste

- Diverts recyclables from landfill-bound waste
- Fosters resource recovery and recycling
- Reduces Environmental Impact by promoting a circular waste loop.



ADB is continuing the compliance to DENR. SMR and CMR were submitted, and all other legal requirements were monitored



VERMICOMPOSTING

- Converts organic waste into nutrient-rich compost
- Supports a closed-loop system
- Reduces landfill waste



Tree Planting

- Enhancing Biodiversity and Ecosystem health
- Offsetting Carbon Footprint for a cleaner environment
- Promoting sustainable land use and conservation

Coastal Clean-up

- Waste recovery for resource efficiency
- Preserving coastal ecosystem for long-term economic resilience
- Promoting responsible waste management

[Link: Cultivating Community: ADB Environmental Stewardship and Initiatives](#)





LEED PLATINUM

ADB awarded the LEED Platinum certification (v4.1: O +M). First and only existing building in the Philippines. The highest certification given by U.S Green Building Council for operation and maintenance of an existing building.

Sustainability Roadmap



2003

Environment, Health & Safety Policy, certified under ISO 14001 & OHSAS 18001



2011

Leadership in Energy and Environmental Design (LEED) Gold awarded by USGBC



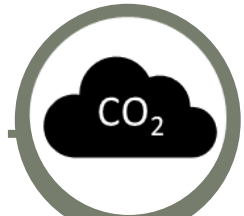
2014

Geothermal Energy



2016

LEED Gold certification for Third Atrium (New Construction)



2019

Verification Statement of Greenhouse Gas under ISO 14064 (GHG)



2023

LEED PLATINUM



2024

Wind and Solar Energy



2007

every 2 years

ADB Sustainability Report



2012

Energy Management System certified under ISO



2015

- ISO 14001, OHSAS 18001 and ISO 50001 re-certified
- GHG certified under ISO 14064



2017

- LEED Gold re-certification for existing building O&M awarded by USGBC
- GHG re-certification under ISO 14064



2021

Every 3 years Re-certification of ISO

50001, 14001 and 45001

