

U.S.-ASEAN Water Smart Engagement (WiSE)

A program of the U.S.-ASEAN Smart Cities Partnership (USASCP)



Nature-Based Solutions

The *Vientiane City Office for Management and Services* and *Clean Water Services* are tackling challenges to wastewater systems. The city pairing will pilot a nature-based treatment solution in 2024-2025, using an artificial wetland to filter and clean wastewater in the Vientiane residential area.

Vientiane, Laos | Hillsboro, Oregon

Advanced Waste Treatment Technology

Water utilities *Permodalan Darul Ta'zim* and *DC Water* are exploring advanced technological solutions to promote innovative management of wastewater and drinking water. Both utilities signed an MOU in 2023 pledging continued cooperation on industrial water recycling, energy efficient systems to remove nitrogen, and climate resilient practices.

Johor Bahru, Malaysia | Washington, D.C.



Smart Meter Technology

Metro Cebu Water District and *Miami-Dade Water and Sewer* partners face similar climate exposure and water resource scarcity. These partners are exploring smart meter technology and SCADA (supervisory control and data acquisition systems) to mitigate non-revenue water and increase disaster preparedness.

Cebu, Philippines | Miami, Florida

Non-Revenue Water

Phuket Provincial Water Authority (PWA) and the *Water Council of Milwaukee* are focusing on reducing water loss. Milwaukee Water Works facilitated an intensive training program for PWA staff in October 2023 and produced a detailed training manual translated into Thai to be shared with utilities across the country.

Phuket, Thailand | Milwaukee, Wisconsin



Water Quality Management

The *Saigon Water Corporation (SAWACO)* and *San Francisco Public Utilities Commission* are working together to improve Ho Chi Minh City's water quality. Through a series of in-depth capacity building workshops and staff exchanges in 2024 and 2025, SAWACO staff will learn best practices of water quality labs and water resource management.

Ho Chi Minh City, Viet Nam | San Francisco, California