

Outcomes and lessons learned from the Comprehensive Review: Waste & Wastewater Sector

24 May, 2019

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1. Outcome

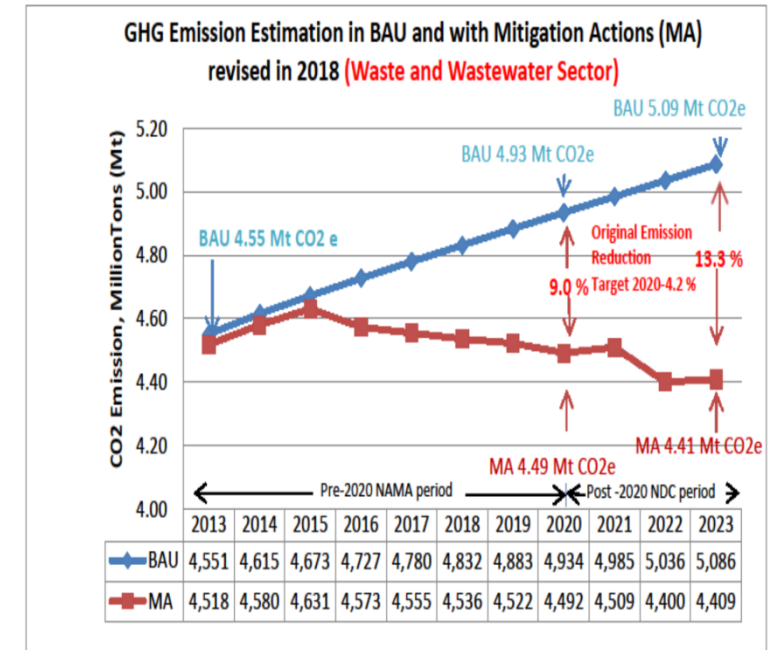
Progress of Implementation

❑ Status GHG emission (Decreasing trend) Unit: million t-CO₂e

	BAU GHG emission	Actual GHG emission (Targeted GHG emission in 2020)
2013	4.551 Mt-CO ₂ e	4.518 Mt-CO ₂
2016	4.727 Mt-CO ₂ e	4.573 Mt-CO ₂ e
2020	4.934 Mt-CO ₂ e	4.492 Mt-CO ₂ e

❑ Major reasons of the status of GHG emission and successful activities conducted during the Review period in the sector

Compared to the GHG emissions reduction plan under the Master Plan (Target GHG emission reduction in 2020), prospect of emissions reduction is much larger due to the efforts of waste reduction at source, operation of the waste-to-energy plants and other waste and wastewater treatment measures, focusing on an expansion of wastewater collection systems and construction of new WWTPs



การดำเนินการลดแยกมูลฝอยชุมชนวัยใช้ประโยชน์
ส่งเสริมประชารัฐลดและคัดแยกมูลฝอยที่แหล่งกำเนิดด้วยหลักการ 3R



2. Challenges and lessons learned

Key critical and successful factor for stocktaking work is a “Communication and cooperation among all stakeholders (DOE/DDS/District Office/Private sectors etc.)” to collect and analyze required data used for monitoring/evaluation/review and initiate the further strategic and appropriate measures. Newly single established organization will be necessary to integrate both top-down and bottom-up approaches to cope with this issue.

3. Proposal for enhanced actions

BMA should consider efforts by, newly identifying institutional challenges and response, future directions of the Master Plan toward achievement of the 2020 target and strategic project, organizational and budgetary arrangement, systematic data collection and analysis with an application of computer software and effective coordination among concerning agencies, post-2020 target setting as followed:

- ❑ Reduce emission at source by promotion of waste separation and utilization at source
- ❑ Construct waste-to-energy facilities
- ❑ Expand collection of sewage area
- ❑ Building of high-efficiency type of wastewater treatment facilities

