Table S1. Solid Waste Generation in Myanmar during 2018-2025

Year	Tonnes per day	Kilotonnes per year
2018	12,722	4,643
2019	13,906	5,076
2020	15,090	5,508
2021	16,275	5,940
2022	17,459	6,373
2023	18,643	6,805
2024	19,828	7,237
2025	21,012	7,669

Table S2. Business as Usual

Year	Open dumping-83% (tonnes/y)	Waste incineration-1% (tonnes/y)	Anaerobic digestion-1% (tonnes/y)	Recycling-2% (tonnes/y)	Total (tonnes/y)
2018	3,854	46	46	93	4,040
2020	4,572	55	55	110	4,792
2022	5,289	64	64	127	5,544
2024	6,007	72	72	145	6,296
2025	6,366	77	77	153	6,672

The amount of wastes from the other waste disposal methods were not included.

Table S3. Scenario-1 (SC-1)

Year	Landfilling - 80% (tonnes/y)	Waste incineration-1% (tonnes/y)	Anaerobic digestion-1% (tonnes/y)	Recycling-5% (tonnes/y)	Total (tonnes/y)
2018	3,715	46	46	232	4,040
2020	4,406	55	55	275	4,792
2022	5,098	64	64	319	5,544
2024	5,790	72	72	362	6,296
2025	6,136	77	77	383	6,672

The amount of wastes from the other waste disposal methods were not included.

Table S4. Scenario-2 (SC-2)

Year	Landfilling-65% (tonnes/y)	Waste incineration-1% (tonnes/y)	Anaerobic digestion-1% (tonnes/y)	Recycling-10% (tonnes/y)	Composting-10% (tonnes/y)	Total (tonnes/y)
2018	3,018	46	46	464	464	4,040
2020	3,580	55	55	551	551	4,792
2022	4,142	64	64	637	637	5,544
2024	4,704	72	72	724	724	6,296
2025	4,985	77	77	767	767	6,672

The amount of wastes from the other waste disposal methods were not included.

Table S5. Scenario-3 (SC-3)

Year	Landfilling-67% (tonnes/y)	Waste incineration-5% (tonnes/y)	Anaerobic digestion-5% (tonnes/y)	Recycling-5% (tonnes/y)	Composting-5% (tonnes/y)	Total (tonnes/y)
2018	3,111	232	232	232	232	4,040
2020	3,690	275	275	275	275	4,792
2022	4,270	319	319	319	319	5,544
2024	4,849	362	362	362	362	6,296
2025	5,138	383	383	383	383	6,672

The amount of wastes from the other waste disposal methods were not included.

Table S6. GHG Emissions/Avoidance from Recycling in Asian Countries based on Country Specific Information in Thailand [1]

Types of recyclables	E_i (kg CO_2-eq per ton of wastes)	A_i (kg CO_2-eq per ton of wastes)	L_i (kg CO_2-eq per ton of wastes)	$NGHG_R$ (kg CO_2-eq per ton of wastes)
Paper	1,266	971	2,383	-2,088
Plastic	2,148	1,899	0	249
Aluminium	393	12,486	0	-12,093
Steel	1,102	2,949	0	-1,847
Glass	569	1,024	0	-454

References

[1] Menikpura N, Sang-Arun J. User manual: Estimation tool for greenhouse gas (GHG) emissions from municipal solid waste (MSW) management in a life cycle perspective. Institute for Global Environmental Strategies, 2013. c2018 [cited 12 October 2018]. Available from: https://mafiadoc.com/ghg-emissions-from-municipal-solid-waste_59ca4ca51723ddbc3033c198.html.