GHG Emission Mitigation Potentials in Turkey’s Waste Sector Using a Bottom-up Energy Model

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Introduction

• Solid waste-related emissions are anticipated to increase to 2.6 billion tons of CO$_2$-e per year by 2050 worldwide.

• The GHGs emissions emitted by Turkey’s waste sector were 17.8 Mt CO$_2$-e in 2018, 3.4% of total national emissions

• Solid waste disposal accounted for 73.8% of the sector

• In 2018, 32.2 million tons of Municipal Solid Waste (MSW) generated.

• Only 67% reached sanitary and/or managed landfill

• 12.3% of all MSW has reached to recovery facilities.