

Climate Action Enhancement Package: Belize

Solid Waste Management Sector

Methodology and Workplan



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- Background and document review at national, regional and international levels.
- Interviews with officials from the solid waste sector, Belize National Authority.
- Questionnaire to the National Authority about relevant SWM data.
- Another sources of information about total and per capita waste generated and waste composition.

- National Waste Management Plan
- What a Waste 2.0 – World Bank 2018
- Waste Management Outlook for Latin America and the Caribbean - UN Environment 2018.
- Waste generation and composition study – Agreco Consultants – European Union 2016.
- NDC - 2016
- Summary Action 1 Pagers - 2020
- Technology Needs Assessment - 2018

Mitigation Actions according to Summary action 1 pagers report

Category	Target(s)
Waste management strategy and policy	<p>Improved waste management processes, in line with the national waste management strategy (NDC)</p> <p>Complete the Solid Waste Management Plan (GSDS)</p>
Waste management strategy implementation	<p>National Integrated Solid Waste Management Programme, initiatives including: Institutional strengthening; Waste segregation, storage, collection and transport; waste minimization, re-use and recovery; Cost recovery; and Education awareness and stakeholder communications (NCCPSAP)</p> <p>Nationally Appropriate Mitigation Action (NAMA) plan, including measuring, reporting and verification (MRV) and financing options for CDM capping and closing open dumps, capturing and utilizing landfill gas, and ensuring proper waste handling and organics management (NCCPSAP)</p> <p>Continue implementation of the Solid Waste Management Project (SWMP) (GSDS)</p> <p>Subject to the finalization of the National Solid Waste Management Plan, analyse the potential for cost recovery with respect to the delivery of waste management services (GSDS)</p>

Mitigation Actions according to Summary action 1 pagers report



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Category	Target(s)
Waste management infrastructure	<p>Close dump sites including those at Belize City, Burrell Boom, San Pedro, Caye Caulker, and San Ignacio/Santa Elena (Dumpsites in these municipalities have been closed with waste now transported exclusively to the Transfer Station Facilities. All remaining municipal open dumpsites will be also closed and replaced by the Transfer Station Facility (for the recovery of recyclables) and the Regional Sanitary Landfill (for waste disposal))</p> <p>Develop similar interventions to improve waste disposal within the southern and northern thirds of the country (GSDS)</p>
Hazardous waste	<p>Develop a legal framework for the disposal of chemical, electronic, medical, and other types of hazardous waste (GSDS)</p>
Waste in the environment	<p>Improve existing legislation to prevent and reduce pollution within our natural environment and communities (GSDS)</p> <p>Control and Reduction of Air Pollution to Improve Air Quality and Ensure a Healthy Environment and increase health of our citizens (GSDS)</p>

Barriers to implement an integrated solid waste management system



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- Local Authorities have no Solid Waste Management Plan.
- Local Authorities operate on a limited budget.
- Local Authorities do little registration of waste information, as they are not obligated to maintain a registry or report to central authorities. As a result, little effort is contributed to the development of a national information system relating to solid waste.
- Lack of national overarching law of solid waste management.
- SWaMA lacks financial autonomy, reliant on the National Budget, with no direct funds from environmental tax for disposal costs limiting the scope of work.
- BSWaMA has a significant focus on Project Implementation.
- The need for the development and implementation of a cost recovery mechanism for waste disposal for service delivery improvement on the part of both the municipalities involved and the BSWaMA.
- The fact that a paradigm shift is necessary for which residents appreciate and understand the complexity of proper waste management. Residents understand that waste management goes beyond bagging waste and placing at the curb for collection and must make a conscious effort to pay their collection fees as they would with any other essential service.

Main conclusions and final remarks

- The planned mitigation actions described previously seem correct, but without quantification of GHG reductions.
- Evidently, due to the barriers described there is a problem of implementation.
- To overcome the barriers, an institutional change is needed.
- A legal framework is needed.
- Public Policies that are orientated to overcome the barriers and create enabling conditions are needed.

¡¡MANY THANKS!!



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