

SBL submission options

Landfill sector: methane destruction + energy generation

Karla Solís

Team Lead

Regional Collaboration Centre St. George's

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Background

- ❑ To facilitate submissions of proposed standardized baselines, the UNFCCC secretariat prepared specific templates to be submitted by DNAs interested in having SB for the waste sector



Two options

- ❑ DNAs may choose to apply one of two approaches for the PSB:
 - ❑ Simplified approach following the “*Guidelines for the establishment of sector specific standardized baselines*”
 - ❑ Encompassing approach following “*ACM0001 Flaring or use of landfill gas*”
- ❑ Both options are only relevant for projects capturing landfill gas, and not to other types of waste management. These would require a different SB



Simplified approach

- ❑ The Simplified approach:
 - ❑ Follows the provisions in the “*Guidelines for the establishment of sector specific standardized baselines*”
 - ❑ Applicable only to projects flaring landfill gas – without thermal or electric utilisation
 - ❑ Requires only small effort to propose, as little additional information is required



☐ Information required:

- ☐ Current national / regional regulations regarding landfill operation, particularly regarding landfill gas
- ☐ QA/QC measures to ensure the regulations information is substantiated

- ❑ The encompassing approach:
 - ❑ Follows the applicability criteria of ACM0001
 - ❑ Applicable for all types of landfills, also with thermal energy or electricity generation
 - ❑ Requires additional effort to propose, as additional information regarding the current waste disposal is required

- **Elements to be standardized**
 - Additionality demonstration
 - Baseline identification
 - Baseline emission/removal estimation
- **Applicability of the proposed standardized baseline**
 - For whole country or region
- **Additionality demonstration**
 - The LFG to power up to 10 MW;
 - The LFG to heat for internal or external consumption;
 - The LFG is flared.



- **Baseline identification**

- Atmospheric release of the LFG
- Electricity (grid/ off-grid)
- Heat (natural gas with 100% efficiency)

- **Applicability**

- Alternative use of waste.
- No SWDSs (solid waste disposal sites) generate electricity and/or heat

- **Baseline emission estimation**

- Fraction of LFG captured and destroyed in the baseline (if any)



- ❑ Information required:
 - ❑ Current national / regional regulations regarding landfill operation, particularly regarding landfill gas and recycling
 - ❑ For the landfills currently operating:
 - ❑ Amount of waste disposed
 - ❑ whether landfill gas is captured, how much, what for
 - ❑ How much power/heat were generated
 - ❑ QA/QC measures for all of the above

GRACIAS 😊

