Municipal Solid Waste Management: Presentation on Challenges and Discussion of Potential Solutions

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Waste Collection and Transport

- Littering
- Accessibility to households and community disposal sites
- Poor or no collection route design
- Vehicle type and maintenance
- Fuel availability and costs
- Distance required travel to disposal site
- Tracking performance of collection team
- Capital and operating costs
- Lack of information on best practices
Organic Diversion

- Access to large organic waste generators
- Quality of feedstock
- Quality of compost
- Market for compost
- Access to grid or gas end users
- Market for energy
- Odor and vector control
- Low awareness
- Capital and operating costs
- Lack of information on best practices
Recycling

- Informal sector
- Selection of materials to recycle
- Transportation of recyclables to market
- Markets or local use for recyclables
- Capital and operating costs
- Lack of information on best practices
Waste to Energy

- Moisture content of waste
- Guaranteeing quantity of waste
- Developing specifications for contracts
- Hazardous air pollutants
- Access to grid or electricity end users
- Capital and operating costs
- Lack of information on best practices
Dumpsites and Landfills

- Air emissions
- Leachate and groundwater contamination
- Health and safety
- Odor and vector control
- Space limitations at old sites
- Land availability for new sites
- Technical and economic feasibility of converting to sanitary landfills
- Developing specifications for contracts
- Access to grid or gas end users for landfill gas projects
- Capital and operating costs
- Lack of information on best practices
Contact Information

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