



OVERVIEW OF BOGOR CITY







Altitude: 190 – 330 m dpl

Temp: 22,7-31,6 °C

Precipitation: 333,0-630,2 mm

• Area: 11.850 ha.

• 6 Kecamatan, 68 Kelurahan

• Greater Jakarta Metropolitan

 Hilly, flat with a Ciliwung River and Cisadane River cutting across the city



Mayor : Bima Arya

• Population: 1,081,099 inhab (BPS, 2017) 1.5%/year

• Density: 9,122 inhab/km²

• Poverty: 7.11%

• Settlement : 4.972,13 Ha or 41,96 %

• Slump area 128,85 ha in 17 location





Relevant Mid Term Development Plan Policy (2015-2019)



Vision: "Create a comfortable ty, faithful and transparent

Be a

sustain

able

Improving the quality of spatial planning

Establishment of sustainable spatial planning policies

Increased implementation of the spatial plan and control the utilization of space

Increasing the extent and quality of green open space.

uced levels of pollution caused by urban activity

Increasing the recovery and conservation of natural resources

The realization of the arrangement and preservation of the Watershed

sing community participation in environmental conservation

transport tha promotes ma transit

pedestrians

and cyclists

The realization of the city's public transport system which is comfortable and environmentally friendly

Increasing the quality of infrastructure for pedestrians and cyclists

Reduced traffic jams

climate chan

Increased solid waste services Increased disaster prevention and preparedness

Increasing emergency response

Increased post-disaster recoven

Incre see management of clinate thange migation and adaptation

Applying an integrated and s nable waste management

Increasing Waste Management Based on 3R (Reduce, Reuse, Rec

Internalization of waste management as part of the culture of life

Mission

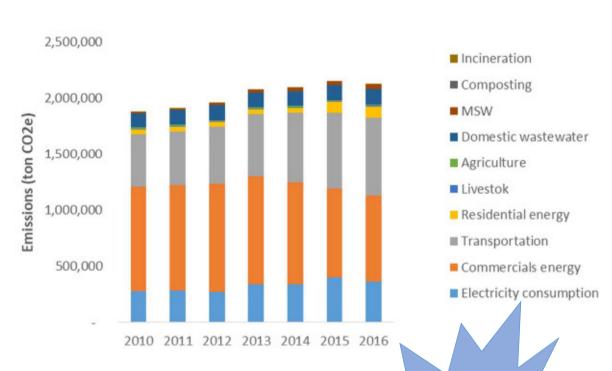




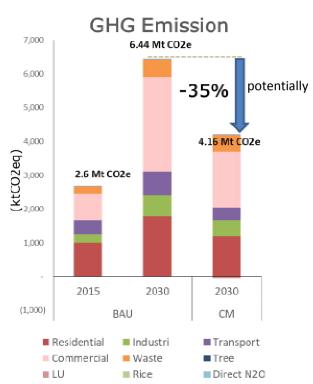
GHG Emission



Bogor City Emission Profile 2010-2016



More than 95% of the city's emissions come from energy sector (primarily energy in commercials and transportation)





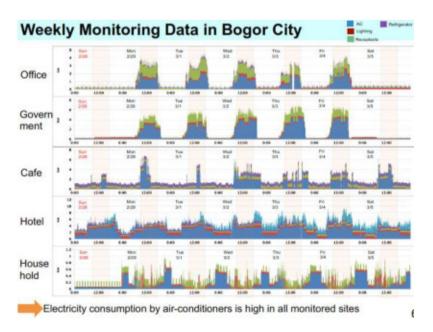
Relevant Development Programs in 2015 - 2019

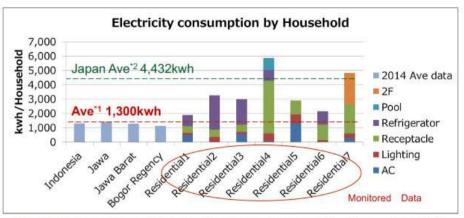


No	Program	Activities	Responsible agency
1	Policy umbrella for climate change related programs	Implementation of mitigation and adaptation actions Monitoring and evaluation of mitigation and adaptation actions	Development Planning Agency
		Environmental pollution and damage control	Environmental Agency
		Vulnerability analysis to support identification of relevant adaptation options	BPBD
		Establishment of climate change working group to support implementation of mitigation and adaptation actions	Development Planning Agency
2	Energy efficiency	at household level	Settlement Agency
		at commercial facilities at government facilities	-Public Works and Housing Agency
3	Transportation	Conversion to BRT	— —Transportation Agency
		Conversion to cleaner fuel	
		Parking policies e.g high parking tariff and no street parking policy to	
		encourage people using public instead of private transportation	
		Improvement and development of pedestrian and bike lane to encourage	Public Works and Housing Agency
		shifting from using motorized transportation for short trips	
4	Low emission	Climate smart agriculture	—Agricultural Agency
	agriculture	Low emission animal husbandry	
5	Improvement of	Quantity (development of new green spaces)	
	green spaces	Quality (replanting and rehabilitation of existing green spaces with hardwood trees)	Gardening Agency
		3R	
		Waste Bank	-
6	Waste management	Composter	Environmental Agency
		Development of new IPAL facilities to cover more areas without onsite	
		waste-water management facilities	
		5	

Energy MRV Tools Supported by NIES - CCROM







Display of monitored data in the Green Room at the Bogor City Hall



- Emission data
- Behaviour of electricity consumption
- Supporting for energy city policy strenghtening and campaign : Eco Office

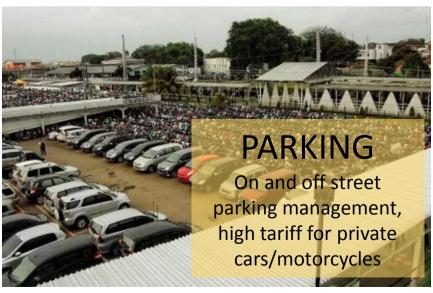


Transportation











Solid Waste Management: Generation



Source of Solid Waste Generation

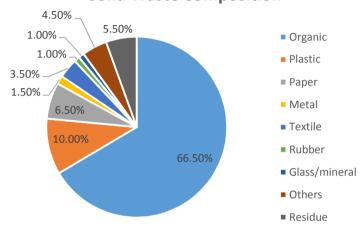
Households	• 1777 m³/day (60%)	
Traditional Market	• 598 m³/day (20%)	
Road & Park	• 185 m³/day (6%)	
Commercial Area	• 178 m³/day (6%)	
Industry	• 111 m³/day (4%)	
Others	• 90 m³/day (3%)	

Total 2939 m³/day

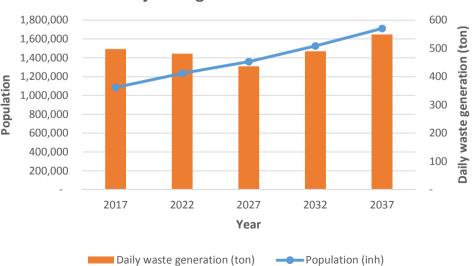


As of now most budget in waste management are allocated for transportation fuel and labor (52 Billion rupiahs/US\$ 3,7 Million in 2018)

Solid Waste Composition



Projected generation of waste

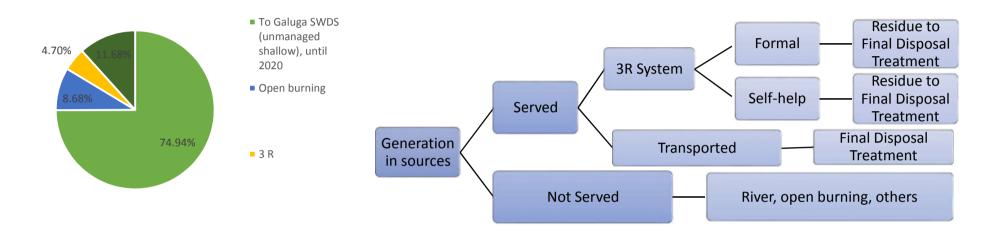




Solid Waste Management : Current Treatment



Solid Waste Treatment (2018)



26 Recycling Stations (TPS 3R) in residential complex

233 Community-based Waste Banks; 1 Waste Bank operated by government officers

Incinerators were installed in 2 locations but ceased to operate due to high cost

15 biodigesters were installed in various locations of traditional market, but its operation were discontinued due to lack of capacity in its maintenance





Community Participation

Our waste, Our resposibility



Mayor Regulation of Plastic Solid Waste Reduction

Community Selfhelp Group involving community leaders





Future Plan

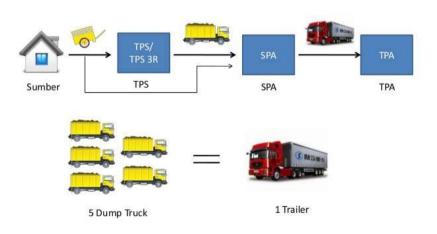




TEMPAT PENGOLAHAN DAN PEMROSESAN AKHIR SAMPAH
REGIONAL LULUT NAMBO
REGIONAL LULUT NAMBO

New regional landfill in Nambo (Bogor Regency), operation starts in 2020. Quota for Bogor City is 500 ton/day

SPA/Transfer Station at Ciluar for Supporting to Nambo



Technology at Transfer Station
Technology at Traditional Market
Technology at 3R depot



Challenges



- Need technology in municipal waste management that requires less land, low maintenance, easy to operate, ecologically friendly, can process more waste and faster at SPA, TPS 3R, ITF
- Waste in Bogor are wet thus using incinerator or other combustionbased technology is considered ineffective since higher heat is required hence more fuel and higher operational cost
- Capacity building & campaign to familiarise sustainable waste segregation to local officers and community resulted in slow adoption of the measure
- Excessive and non-biodegradable packaging are still widely used, thus need affordable alternative materials for packaging. The new Mayor Regulation regarding ban of the use of plastic shopping bag in large retail facilities is challenged by plastic processing industry



Arigatou Gozaimasu Terima Kasih Hatur Nuhun