



Pemerintah Daerah sebagai Pejuang Iklim ***“Local Authorities as Climate Champions”***

2021 EU Climate Diplomacy Week
Global Covenant of Mayors (GCoM)
Climate Resilient and Inclusive Cities (CRIC)
International Urban and Regional Cooperation (IURC)

Sri Maryati
Bagian Kerja Sama Kota Palembang
2021

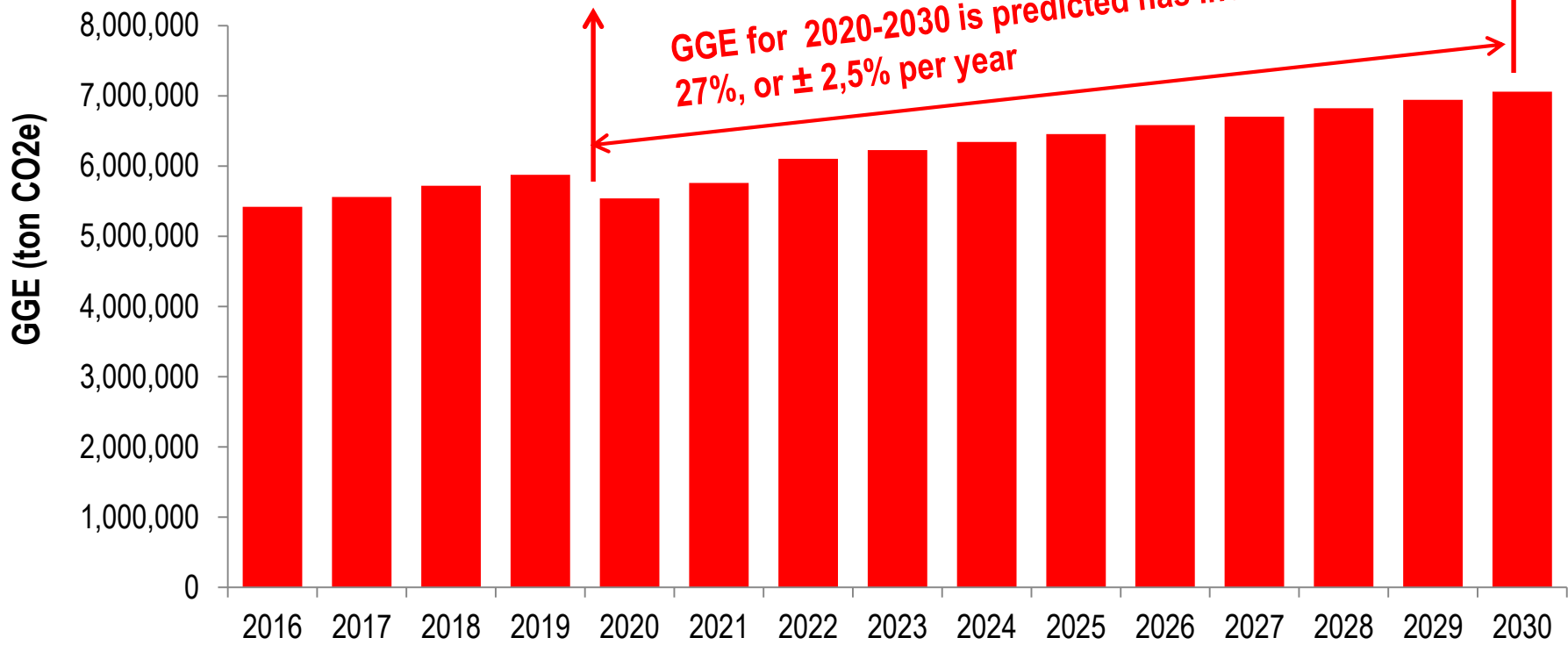
Source of GGE (Palembang Case)

Source	GGE (2019)		
	(ton CO2e)	(%)	(% cumulative)
Settlement	1.126.943	22,32%	22%
PT. PUSRI Consumption of fossil fuels for energy	1.059.931	20,99%	43%
Fossil fuels in the road transport sector	819.553	16,23%	60%
PT. Pertamina RU III Consumption of fossil fuels for energy	596.425	11,81%	71%
Commercial Areas	415.499	8,23%	80%
Manufacture and Construction	330.745	6,55%	86%
Domestic Waste	164.283	3,25%	89%
Amonia Production	151.165	2,99%	92%
CH4 Emission in city landfill	144.936	2,87%	95%
Electrical Consumption for Public Street Lighting	41.991	0,83%	96%
Fossil fuels in the water transport sector	41.492	0,82%	97%
Office electricity consumption	39.807	0,79%	98%
Fossil fuels on the runway	38.974	0,77%	98%
Electricity consumption for PLN special services	33.121	0,66%	99%
Farming	15.101	0,30%	99%
Agriculture & Plantation	12.691	0,25%	100%
Open burning of waste	5.485	0,11%	100%
Fossil fuels in the railroads sector	5.294	0,10%	100%
CH4 and N2O Emission from biological waste treatment	4.141	0,08%	100%
Electricity consumption for PLN's own use	1.658	0,03%	100%
Fishery	233	0,00%	100%
Total (non-AFOLU & non-pembangkit) per source	5.049.469	100,00%	

Baseline GGE (without mitigation actions)

2019: 5.537.799 ton CO₂e
= 3,28 ton CO₂e/capita

2030: 7.059.485 ton CO₂e
= 3,64 ton CO₂e/capita

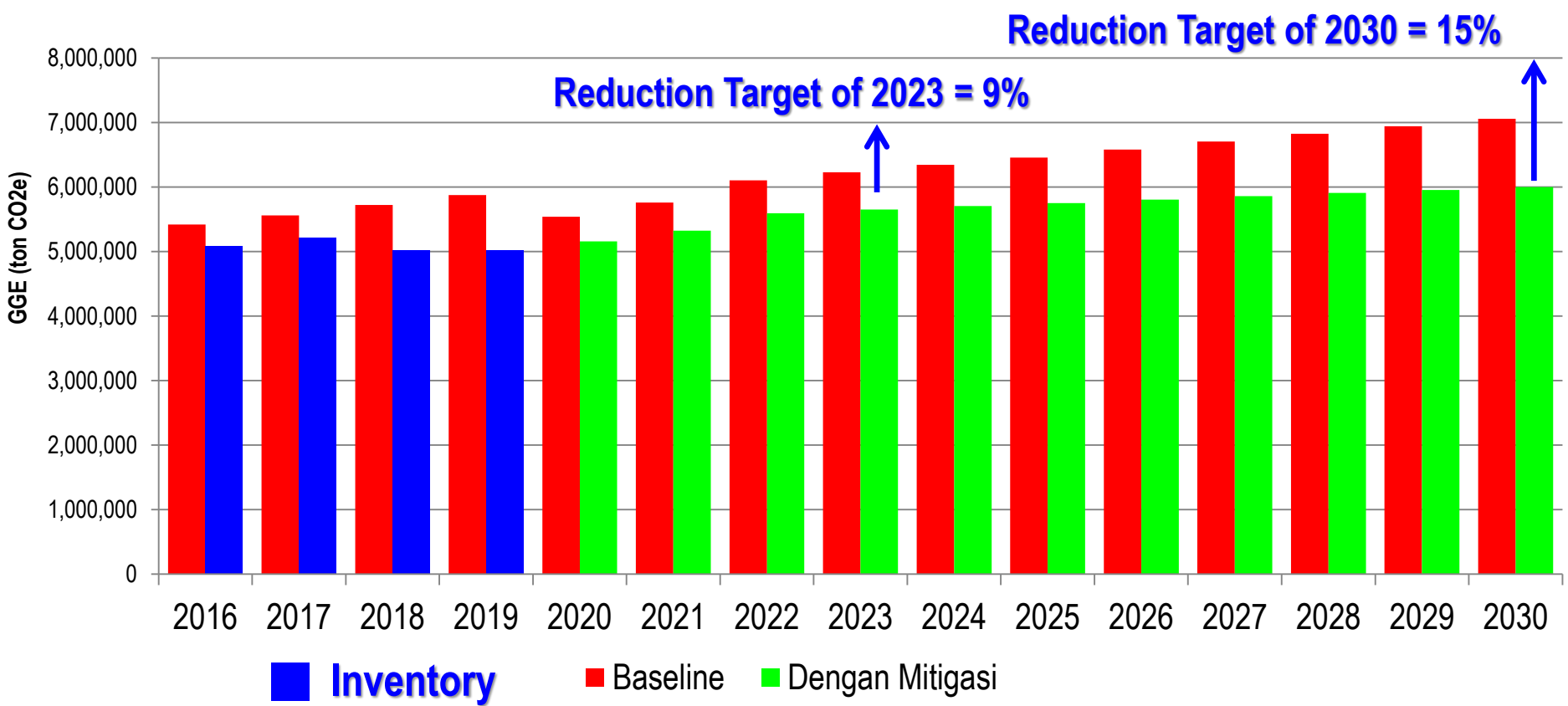


Baseline Emission Methodolgy:

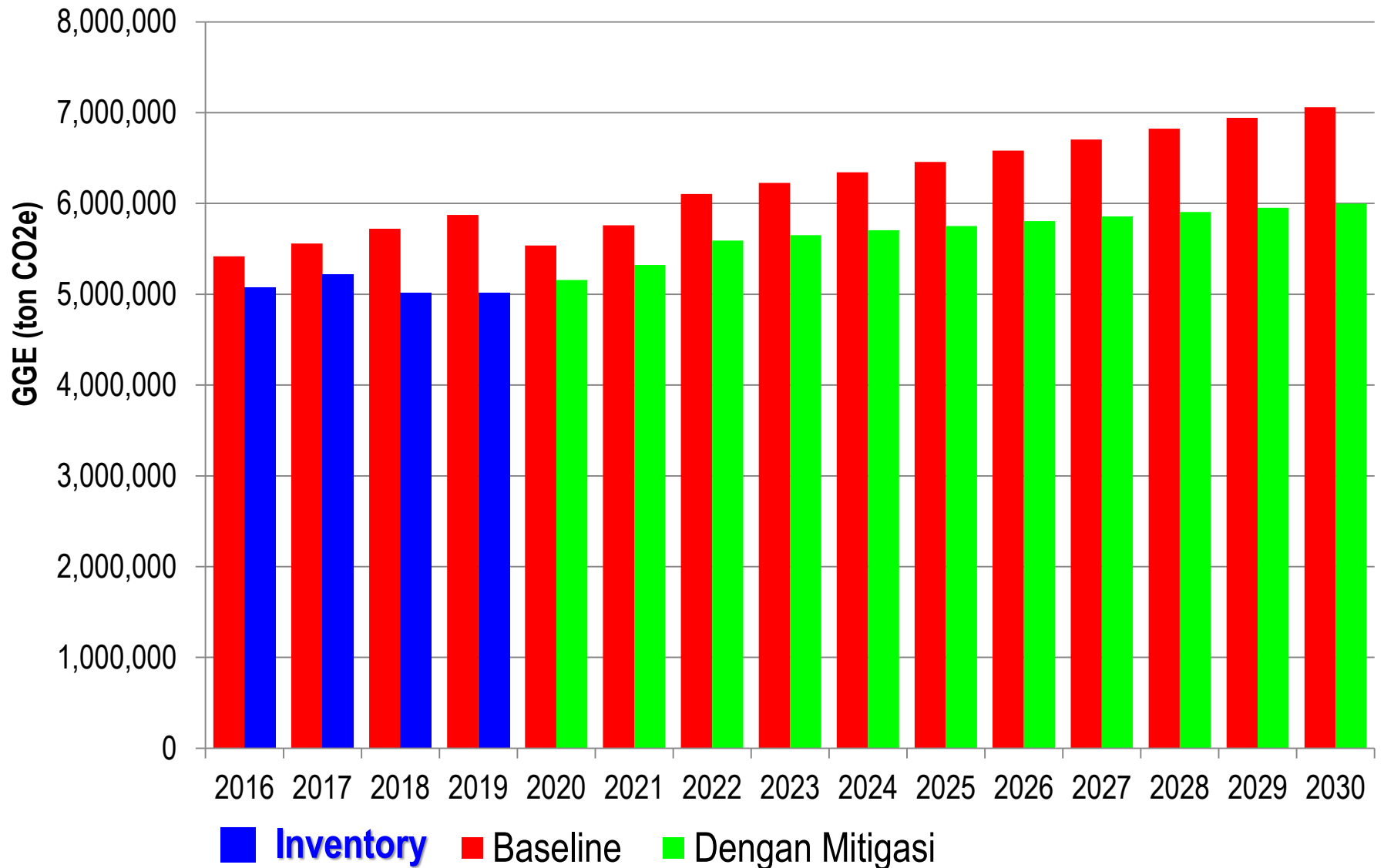
1. Based on emission average intensity (2017-2019), ton CO₂e/GDP (Electricity & Fossil fuel of commercial industry and transportation), ton CO₂e/GDP/capita (personal transportation, offices/settlement electricity, and ton CO₂e/capita (LPG, waste).
2. 2019 emission in agriculture, farming, and FOLU (Land Use Change).
3. **There was a reduction emission in 2020 due to Covid-19, not mitigation actions.**

GGE Reduction Target Indicator in Mid-term Development Plan of 2020-2023

Parameter	Emisi dalam ton CO2e														
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Baseline Emision	5.418.837	5.559.318	5.720.936	5.873.554	5.537.799	5.758.805	6.104.905	6.226.105	6.343.312	6.456.917	6.582.251	6.704.270	6.824.027	6.942.258	7.059.485
% Emision Reduction	2%	9%	5%	6%	7%	8%	8%	9%	10%	11%	12%	13%	13%	14%	15%
Total reduction and GGE Absorbent	126.637	503.027	300.145	334.870	381.601	435.626	513.480	575.250	639.284	705.810	776.745	847.131	917.732	989.065	1.061.484



(Emission Baseline Level) vs (Emission with Mitigation Level)



Actions Plans to be implemented

MITIGATION ACTIONS : Electricity Efficiency



KEMENTERIAN ENERGI DAN SUMBER DAYA MINERAL REPUBLIK INDONESIA

TIPS MUDAH HEMAT LISTRIK DI RUMAH

#EnergiBerkeadilan
#Potong10Persen 

03. LAMPU

- Matikan lampu bila ruangan tidak digunakan
- Pergunakan lampu hemat energi dan kurangi pemakaian lampu pijar
- Bersihkan lampu secara berkala



04. MESIN CUCI

- Pergunakan mesin cuci hanya pada saat cucian banyak
- Pakai mesin cuci sesuai kapasitas, isi air sesuai petunjuk
- Kurangi penggunaan pengering listrik dan lakukan pengeringan dengan panas matahari secara langsung



02. AC

- Matikan AC bila ruangan tidak dipergunakan
- Atur suhu AC sesuai kebutuhan, sekitar 24-27 derajat celsius
- Gunakan timer untuk mengatur pemakaian AC
- Gunakan kapasitas AC yang sesuai dengan volume ruangan



01. KULKAS

- Pastikan pintu kulkas selalu tertutup rapat, Isi kulkas secukupnya
- Jangan terlalu sering membuka pintu kulkas
- Bersihkan kondensor secara teratur



05. KOMPUTER

- Matikan layar monitor apabila sedang istirahat
- Gunakan resolusi display dan brightness yang rendah
- Gunakan wallpaper dengan warna hitam
Matikan komputer bila tidak digunakan dalam waktu yang lama



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Kementerian Energi
dan Sumber Daya Mineral



Kementerian ESDM



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MITIGATION ACTIONS : New Renewable Energy Conversion



Rooftop Solar Panel



City Gas Network



Jl. Kapten Abdullah No.6, 2, Plaju Ulu, Kec. Plaju, Kota Palembang, Sumatera Selatan 30119, Indonesia

	Decimal	DMS
Kecamatan Plaju Sumatera Selatan Indonesia	Latitude -2.998105	2°59'53" S
	Longitude 104.814272	104°48'51" E

2020-10-29(Kam) 05:14(PM)



Jl. Pangiran Ratu, 15 Ulu, Kecamatan Seberang Ulu I, Kota Palembang, Sumatera Selatan 30237, Indonesia



	Decimal	DMS
Kecamatan Seberang Ulu I Sumatera Selatan Indonesia	Latitude -3.002303	3°0'8" S
	Longitude 104.765038	104°45'54" E

2020-10-29(Kam) 02:37(PM)

31°C
88°F



Jl. Jenderal Sudirman No. 888 No. 1, Ulu I, Kecamatan Seberang Ulu I, Kota Palembang, Sumatera Selatan 30111, Indonesia

	Decimal	DMS
Seberang Ulu I South Sumatera Indonesia	Latitude -3.002303	3°0'8" S
	Longitude 104.765038	104°45'54" E

2020-10-29(Kam) 03:20(PM)



Jl. Seroja No.1067, 20 Bar D, Ilir, Kecamatan Ilir Timur I, Kota Palembang, Sumatera Selatan 30121, Indonesia

	Decimal	DMS
Kecamatan Sako Sumatera Selatan Indonesia	Latitude -2.933266	2°55'59" S
	Longitude 104.773286	104°46'23" E

2020-11-01(Sun) 12:47(PM)



Jl. Raya Zain No.1, Sei Lingsing, Kecamatan Kalidoni, Kota Palembang, Sumatera Selatan 30141, Indonesia

	Decimal	DMS
Kecamatan Kalidoni Sumatera Selatan Indonesia	Latitude -2.96837	2°58'6" S
	Longitude 104.805086	104°48'18" E

2020-10-31(Sat) 10:58(AM)



Letting Wayang Baru 45, Or. Hutan, Kecamatan Borang, Kota Palembang, Sumatera Selatan 30111, Indonesia

	Decimal	DMS
Sematang Borang Sumatera Selatan Indonesia	Latitude -2.939202	2°56'21" S
	Longitude 104.802984	104°48'10" E

2020-10-31(Sat) 12:19(PM)



Dusun Kemuning, Kemuning, Kecamatan Kemuning, Kota Palembang, Sumatera Selatan 30119, Indonesia

	Decimal	DMS
Kecamatan Kemuning Sumatera Selatan Indonesia	Latitude -2.945344	2°56'43" S
	Longitude 104.755827	104°45'20" E

2020-10-30(Fri) 10:49(AM)



Jl. Seroja No.1067, 20 Bar D, Ilir, Kecamatan Ilir Timur I, Kota Palembang, Sumatera Selatan 30121, Indonesia

	Decimal	DMS
Kecamatan Ilir Timur II Sumatera Selatan Indonesia	Latitude -2.977502	2°58'39" S
	Longitude 104.764446	104°45'52" E

2020-10-29(Thu) 03:04(PM)



Jl. Seroja No.1067, 20 Bar D, Ilir, Kecamatan Ilir Timur I, Kota Palembang, Sumatera Selatan 30121, Indonesia



	Decimal	DMS
Kecamatan Ilir Timur I Sumatera Selatan Indonesia	Latitude -2.977502	2°58'39" S
	Longitude 104.764446	104°45'52" E

2020-10-29(Thu) 11:22(AM)

32°C
90°F

MITIGATIONS ACTIONS: City Parks Maintaining



MITIGATION ACTIONS: Sustainable Transportation



Walking



BRT Trans Musi



Cycling



LRT

Terima kasih...