



AEP Sustainability

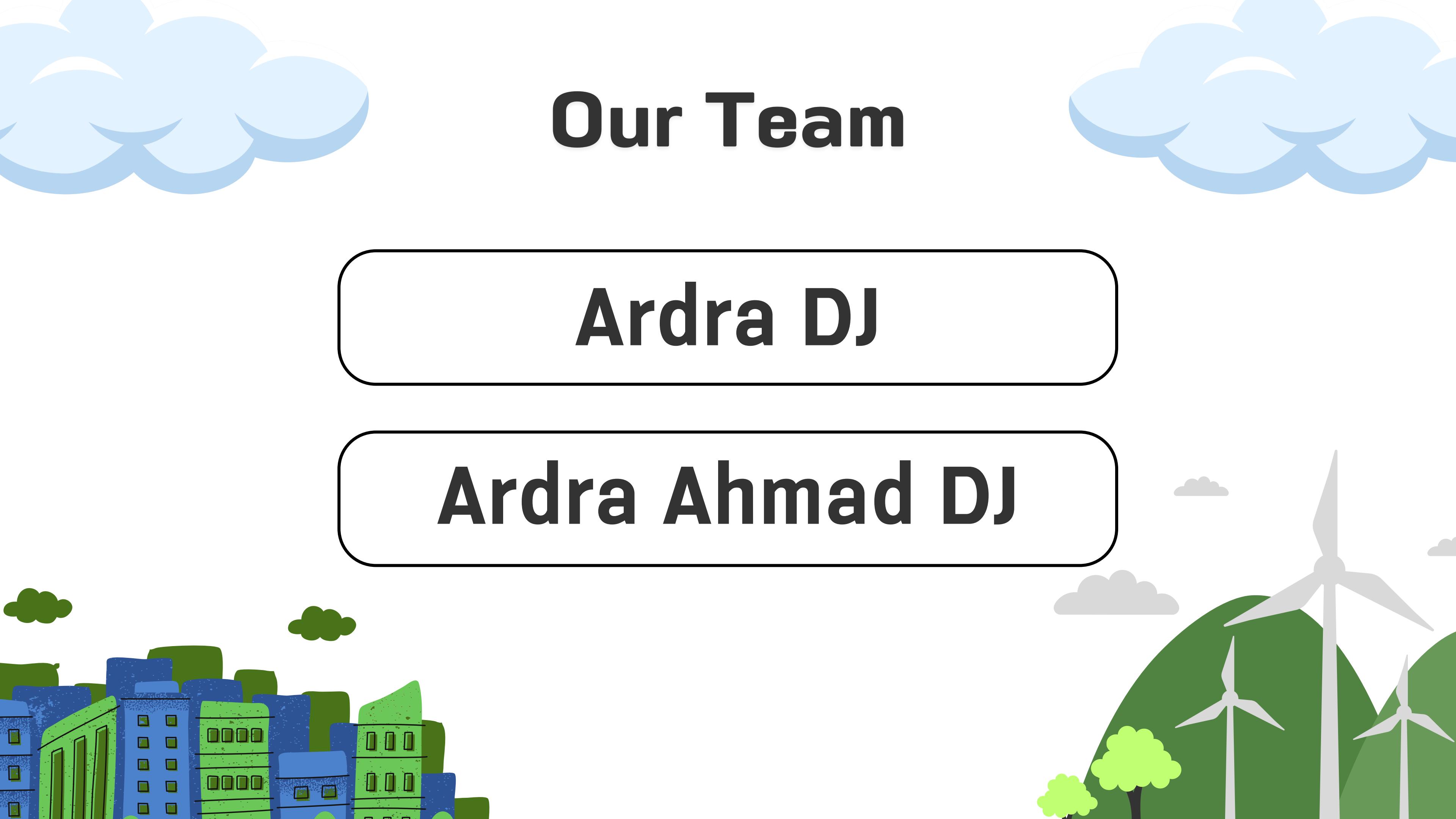
Presentation

EHSSR || OPERATION ||
MAINTANANCE || BD ||
FINANCE

Our Team

Ardra DJ

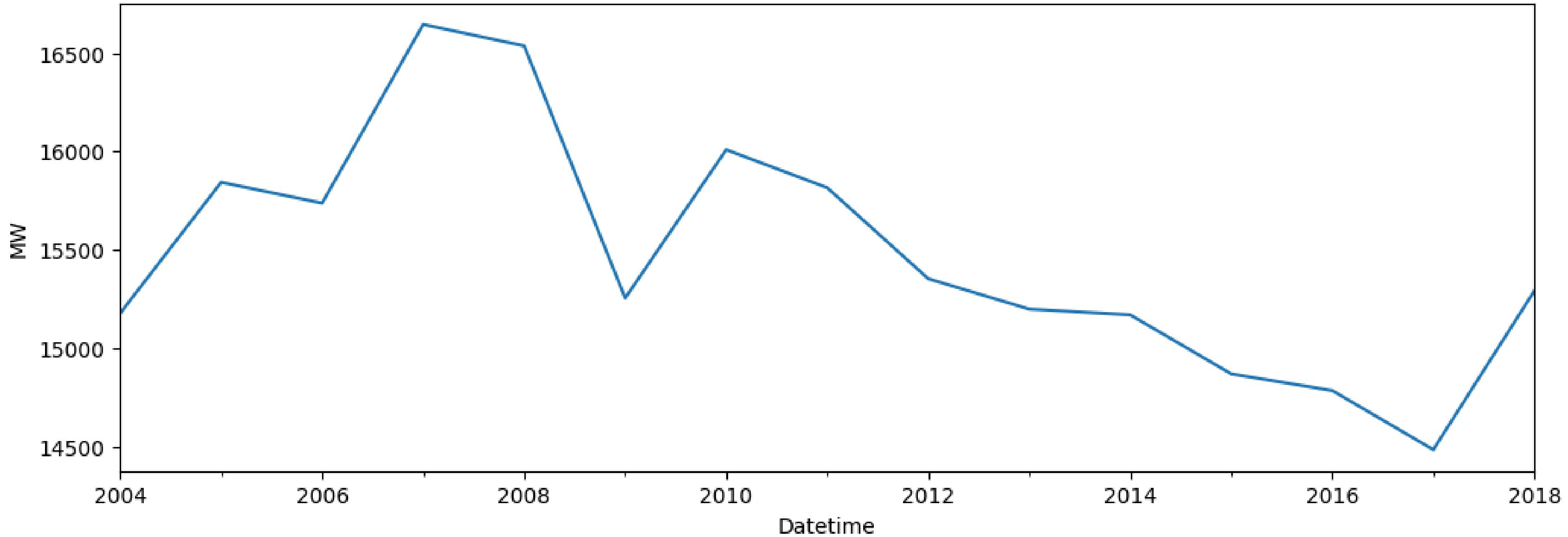
Ardra Ahmad DJ



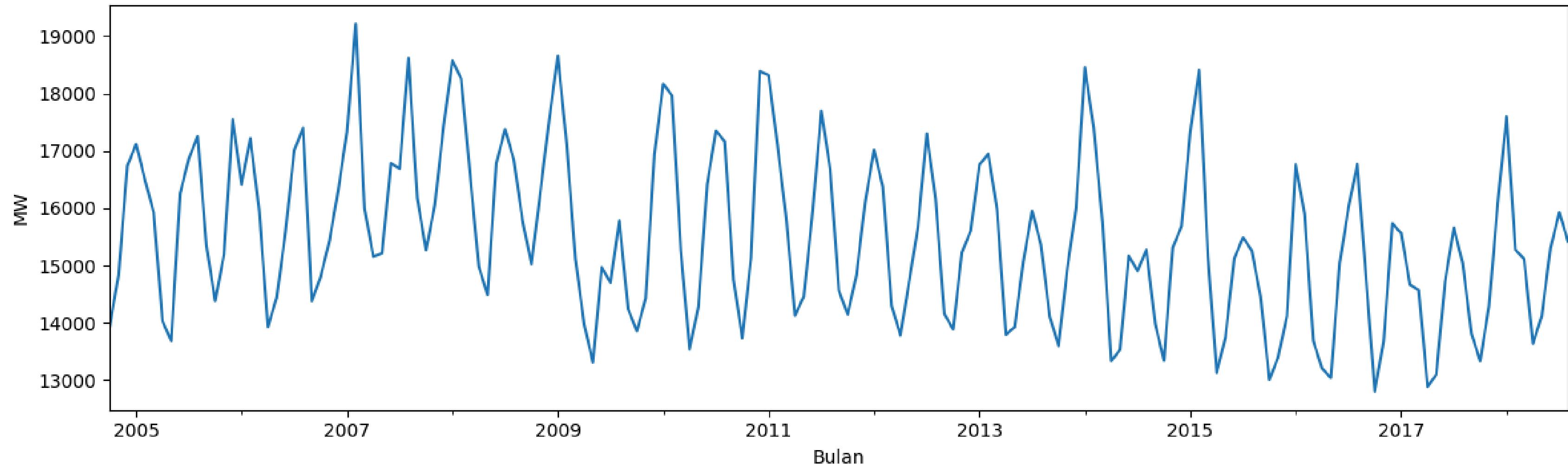
OVERVIEW

Overview

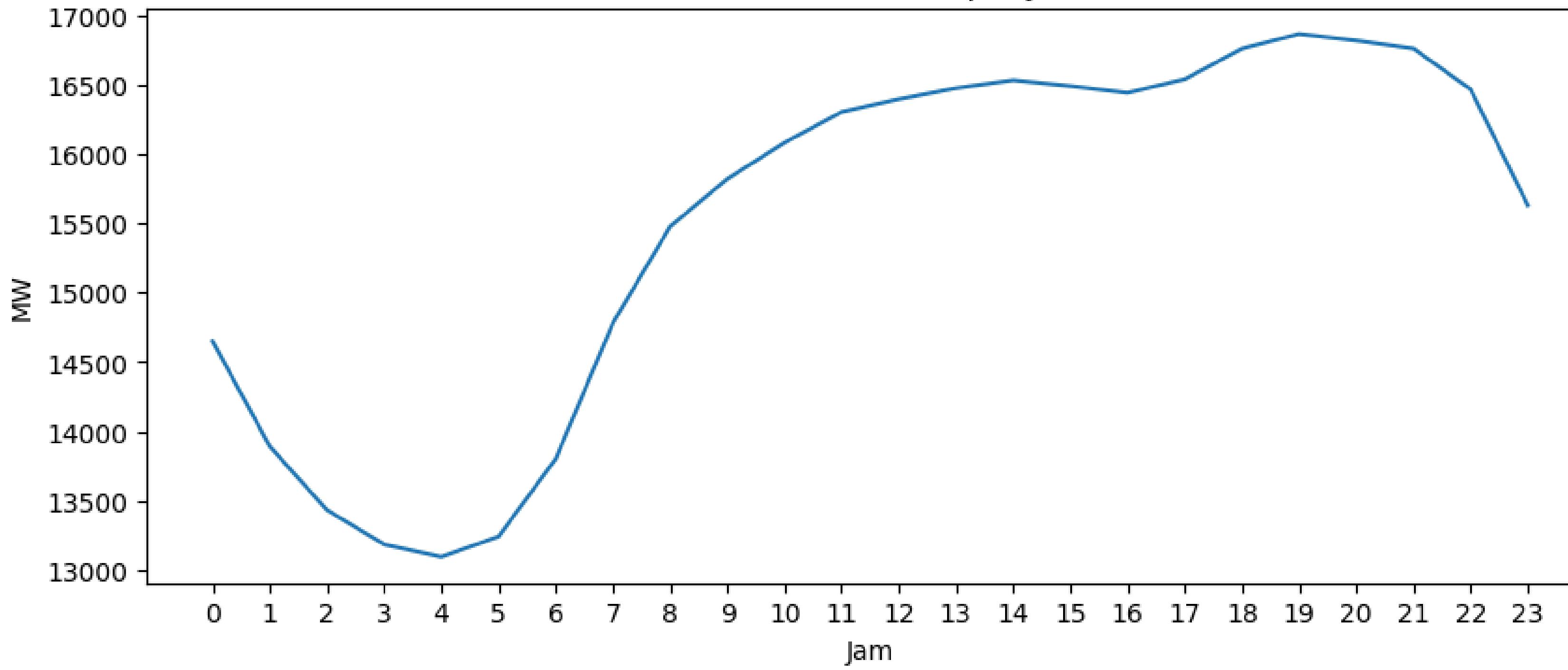
Rata-rata Konsumsi Listrik Tahunan

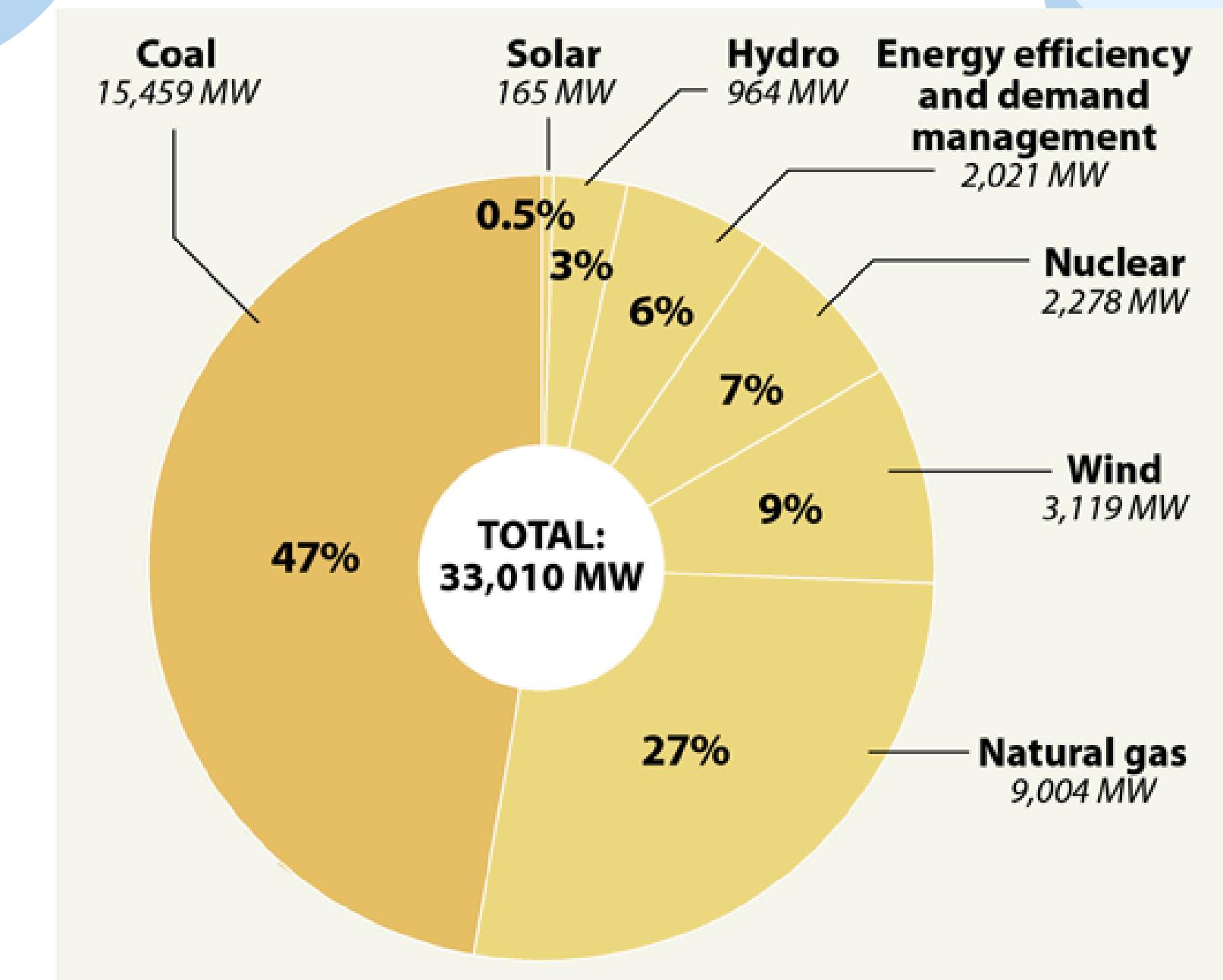


Rata-rata Konsumsi Listrik Bulanan



Rata-rata Konsumsi per Jam





PROBLEM

Opinion

Mark Gongloff,
Columnist

Some Kind of Carbon Tax Is Coming to America, Like It or Not

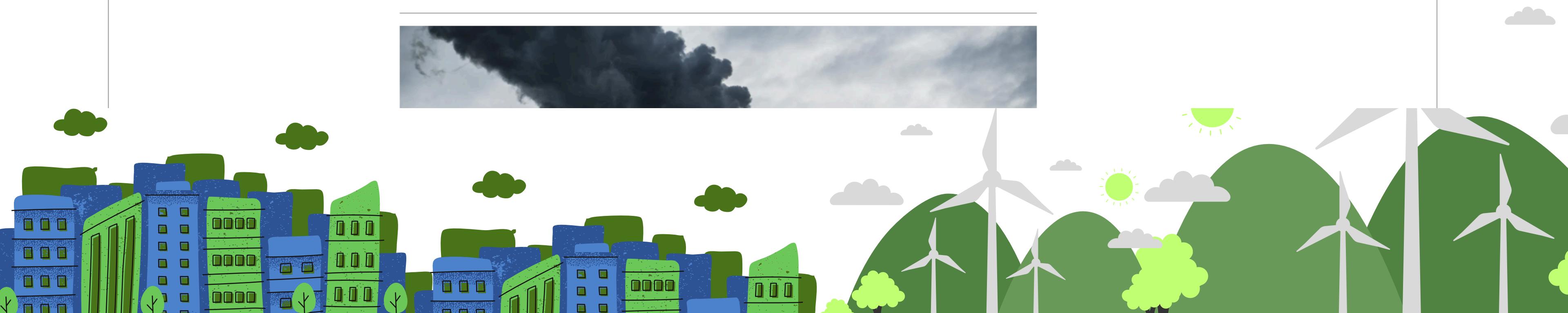
Fifty countries now have national systems for pricing global warming emissions, and they may soon drag the US into joining them.

June 13, 2024 at 6:30 PM GMT+7



By [Mark Gongloff](#)

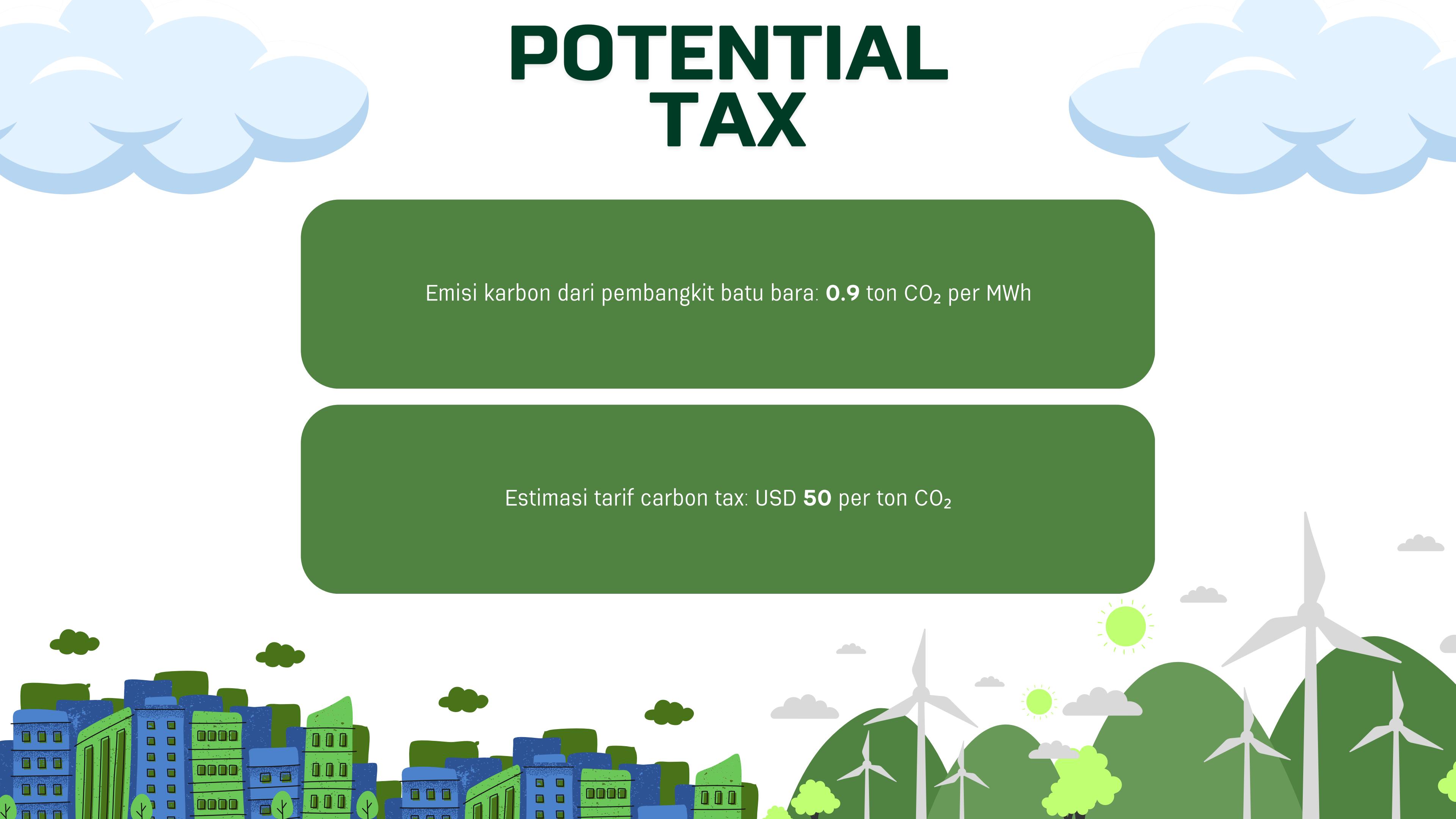
Mark Gongloff is a Bloomberg Opinion editor and columnist covering climate change. He previously worked for Fortune.com, the Huffington Post and the Wall Street Journal.



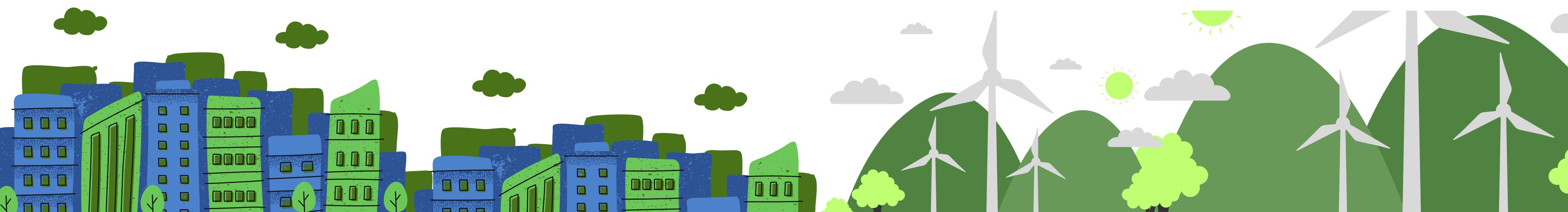
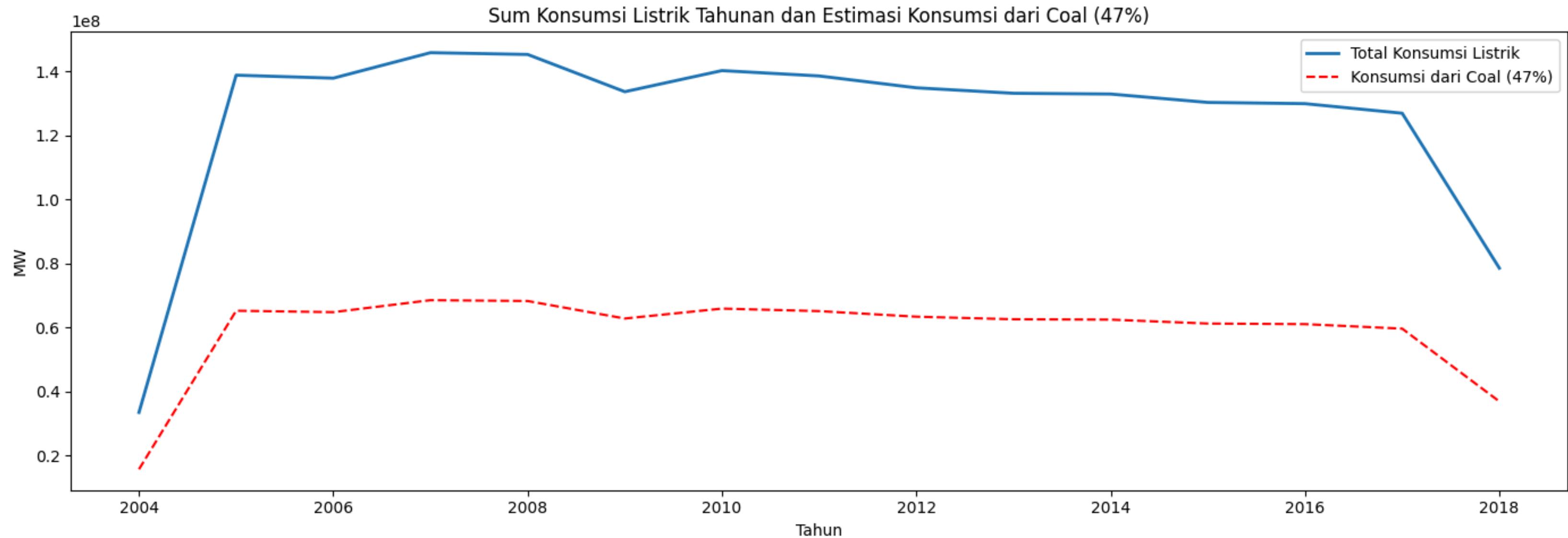
POTENTIAL TAX

Emisi karbon dari pembangkit batu bara: **0.9** ton CO₂ per MWh

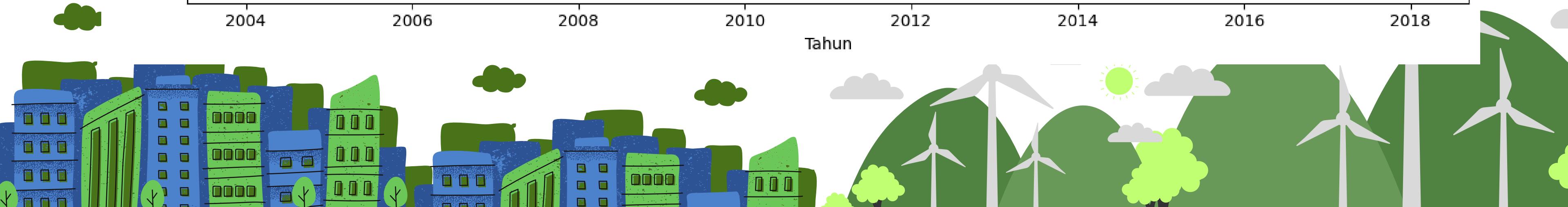
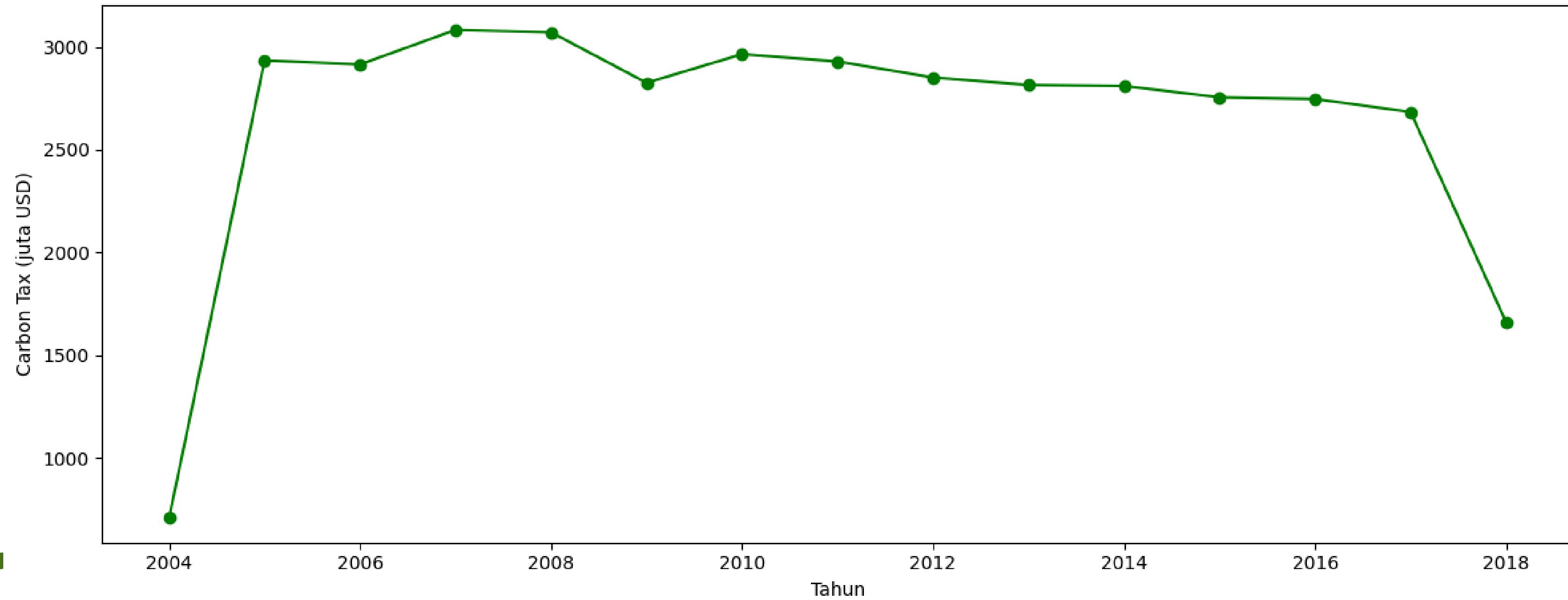
Estimasi tarif carbon tax: USD **50** per ton CO₂



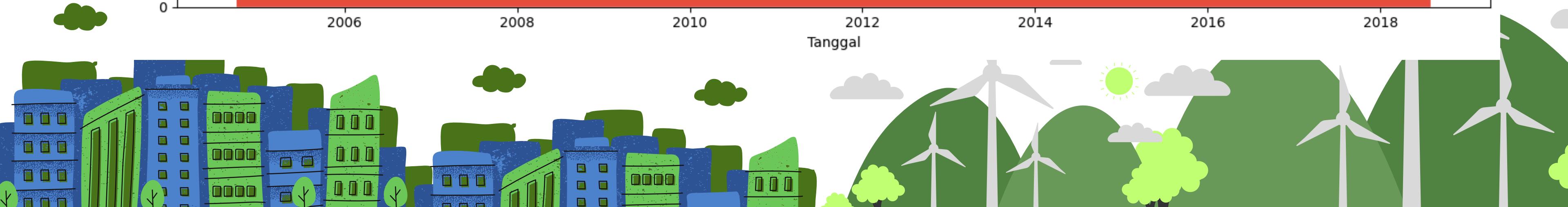
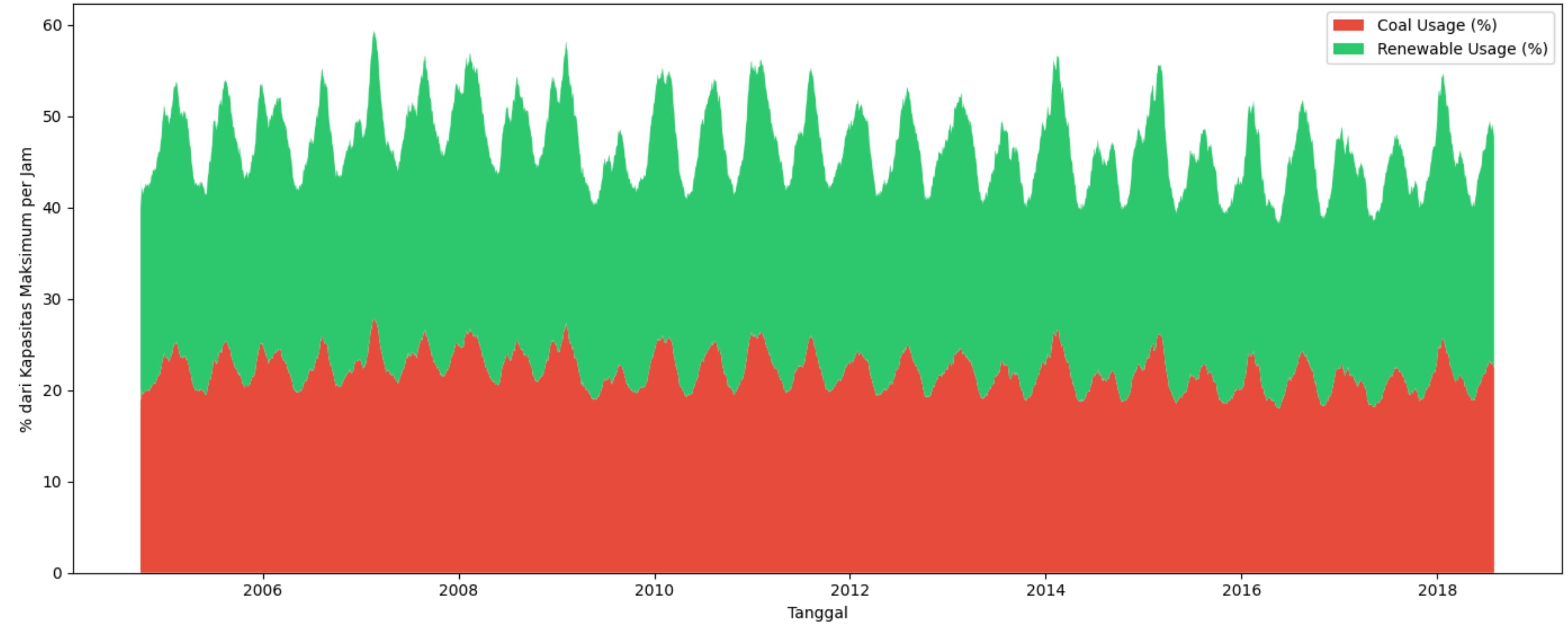
Why is this a problem?



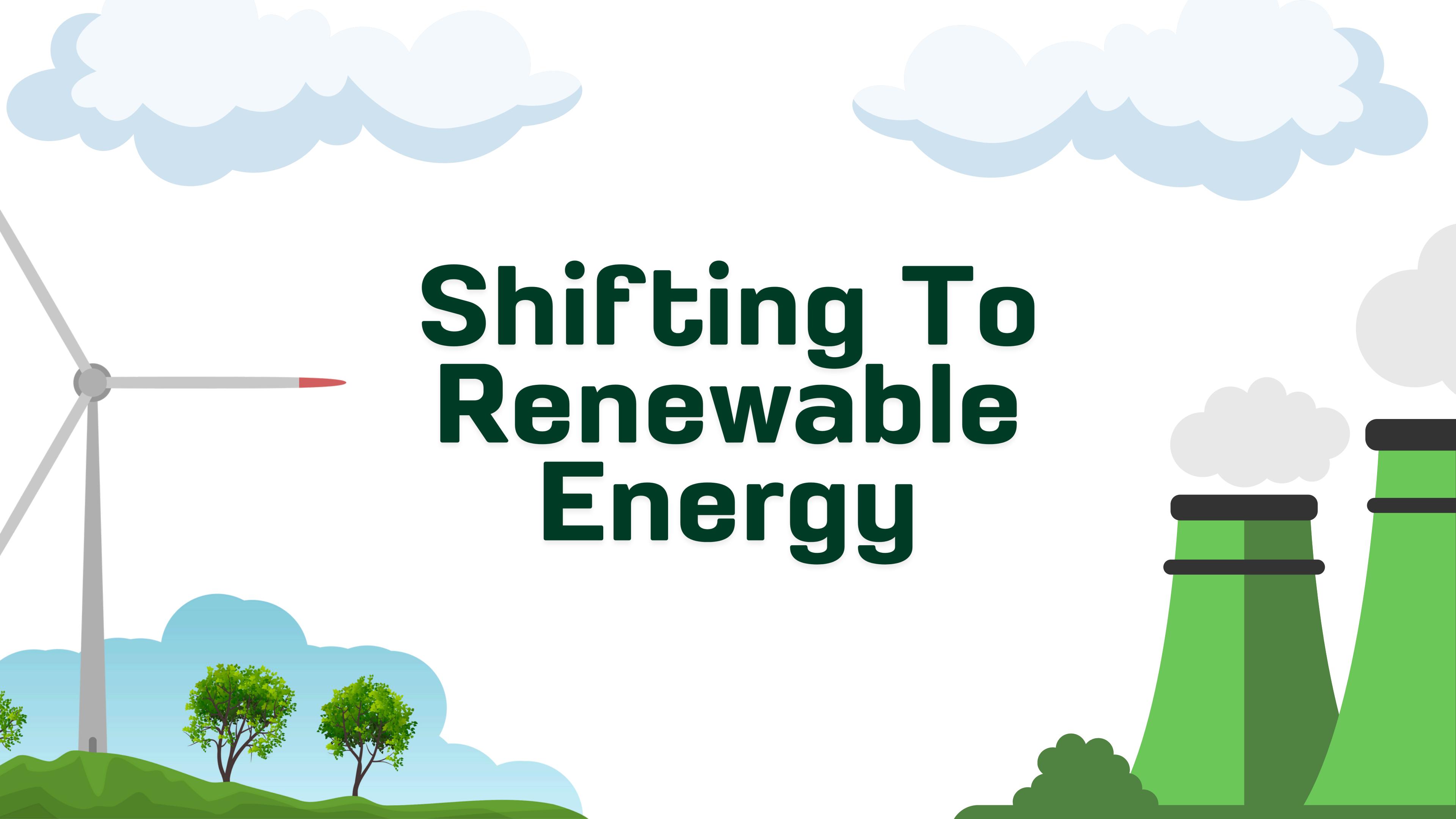
Estimasi Carbon Tax Tahunan berdasarkan Emisi CO₂ dari Coal (47%)



Persentase Penggunaan Kapasitas Produksi Harian (14-day Smoothed)

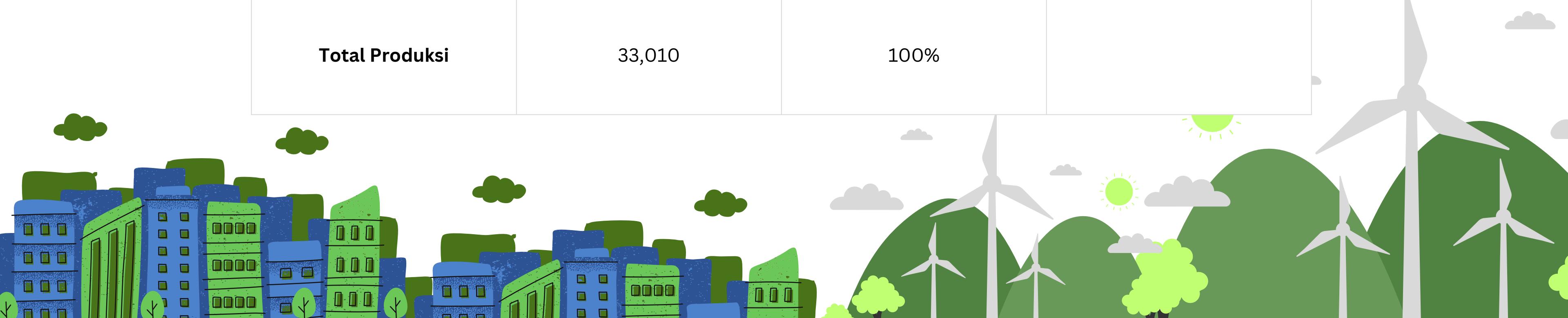


Shifting To Renewable Energy

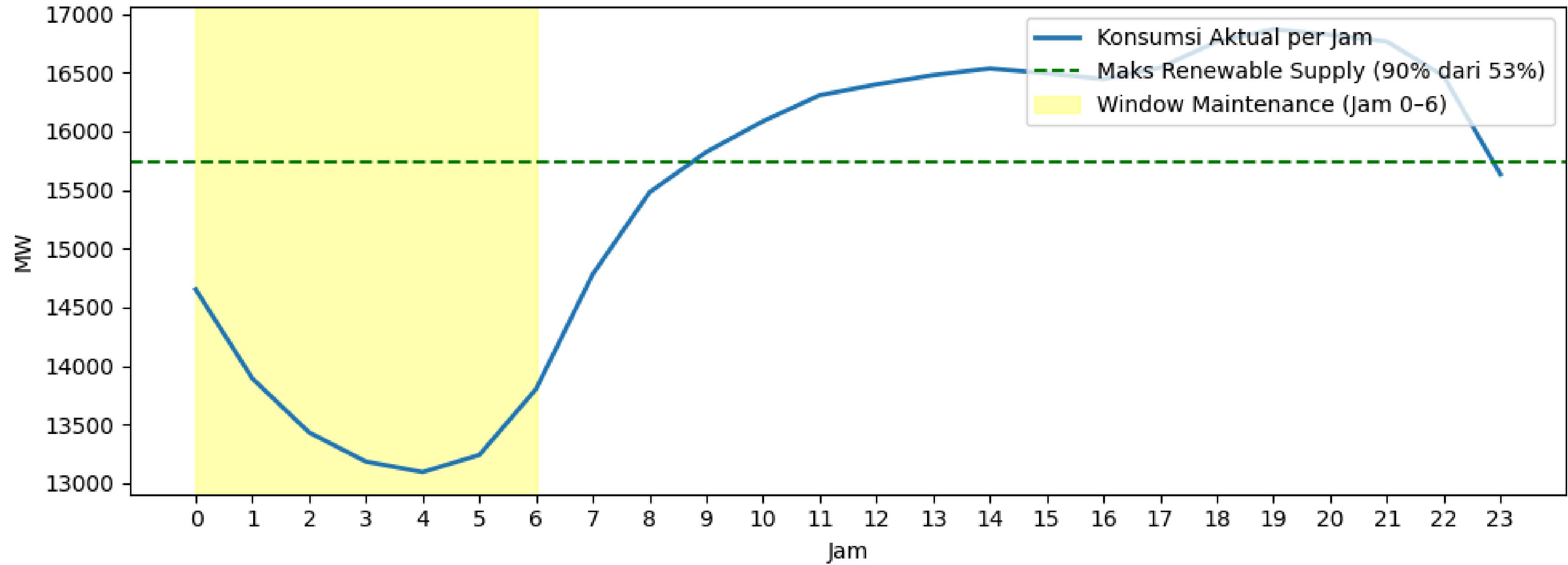


Production Capacity

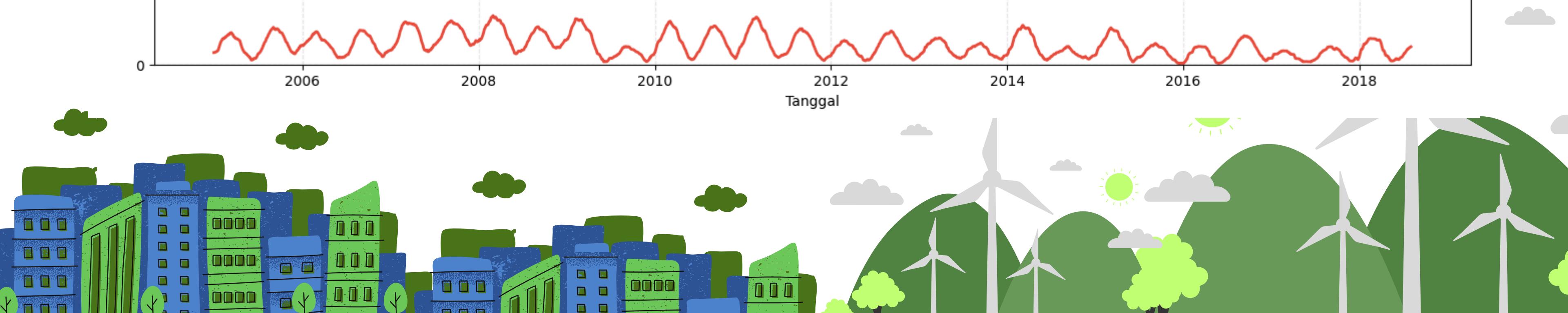
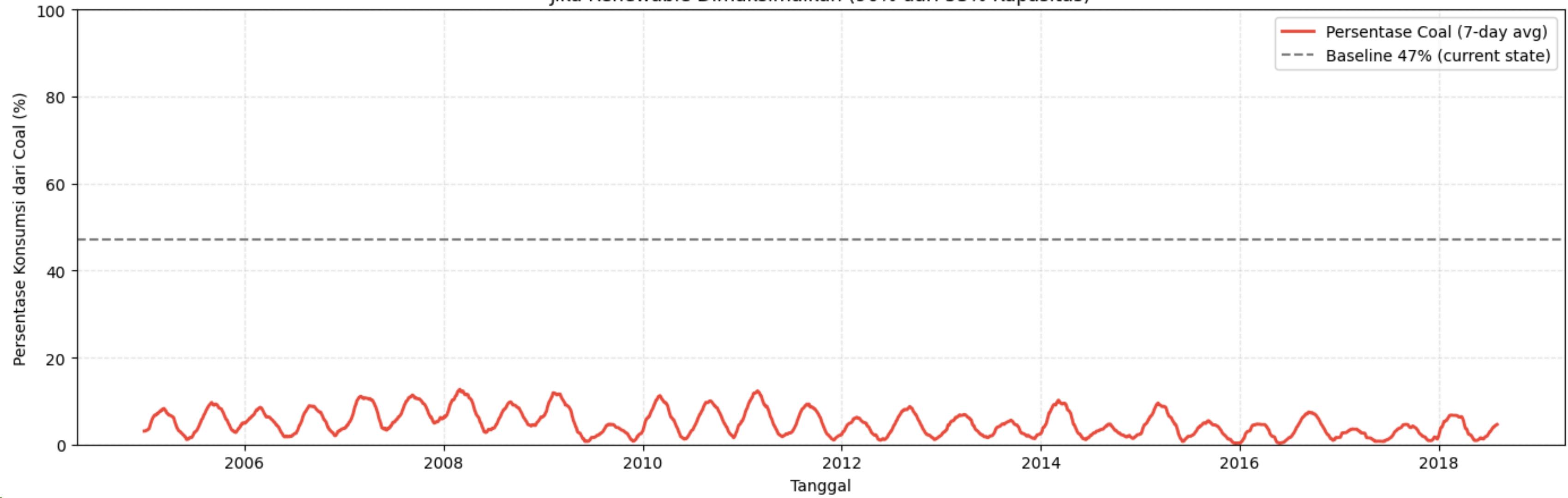
Komponen	Before Shift (MW)	Percentage (Production)	Plan To Utilize (From Production)
Produksi dari Renewable	17,495	53%	90%
Produksi dari Coal	15,515	47%	Unknown
Total Produksi	33,010	100%	



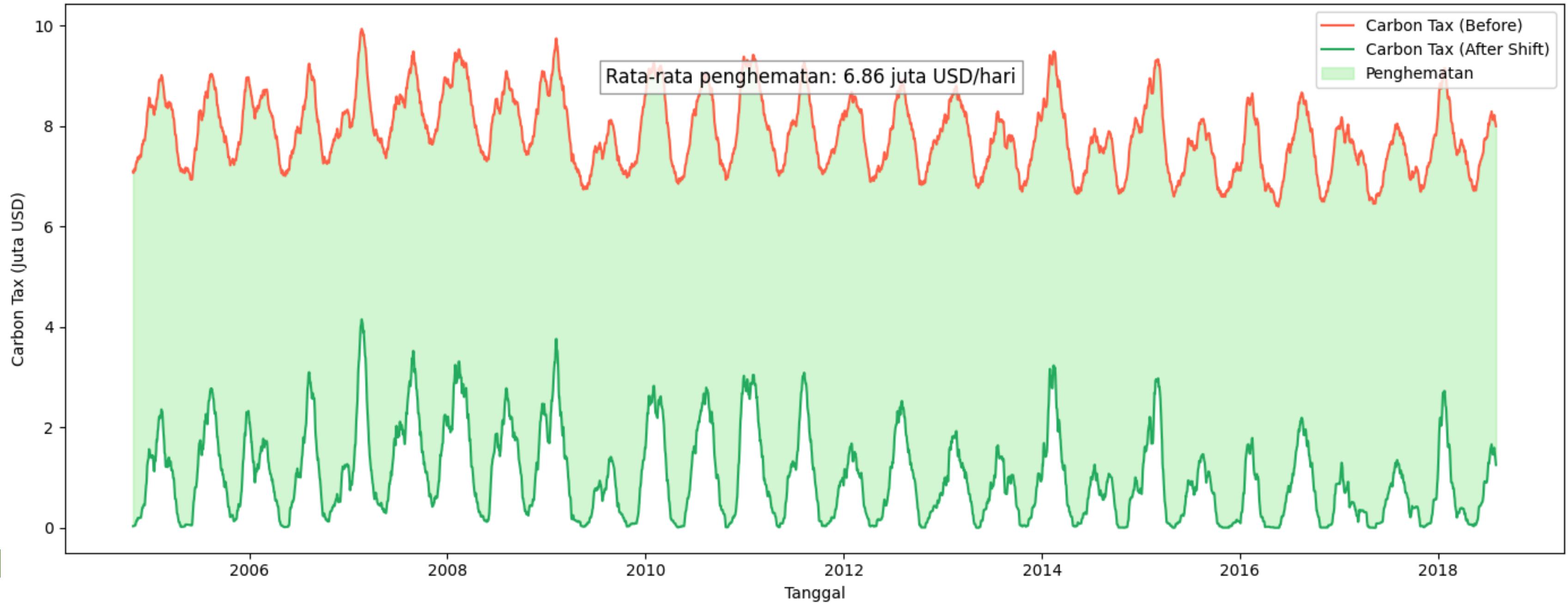
Rata-rata Konsumsi per Jam vs Maksimum Kapasitas Renewable



Share Konsumsi Harian dari Coal
Jika Renewable Dimaksimalkan (90% dari 53% Kapasitas)



Perbandingan Carbon Tax Harian: Before vs After Renewable Shift
(1 unit = Juta USD)



Thank You

