

The 2<sup>nd</sup> Zero Carbon City International Forum  
9-10<sup>th</sup> March 2022



## Bangkok Metropolitan Administration's Initiative Zero Carbon

10<sup>th</sup> March 2022

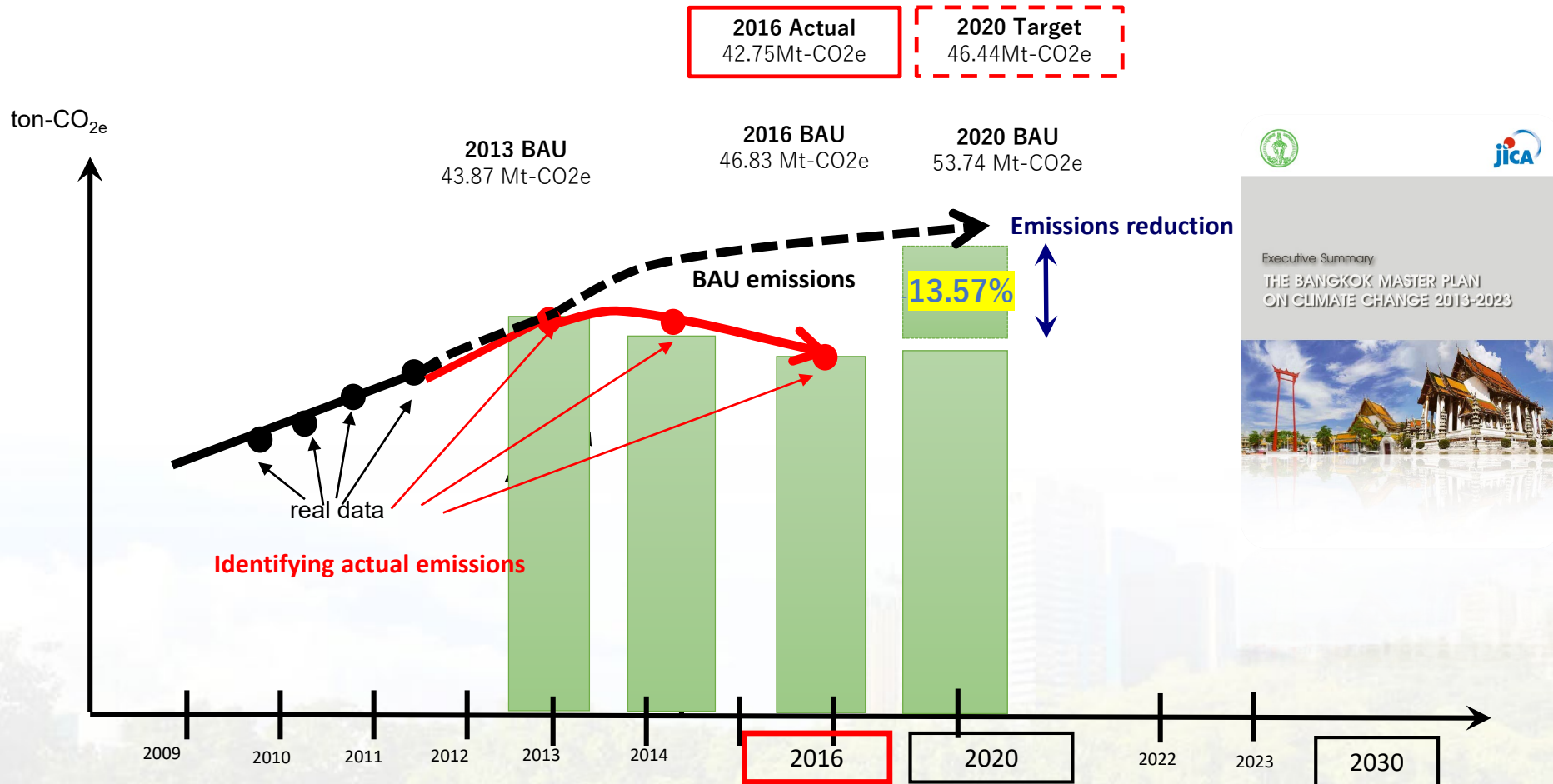
**Act.Sub Lt. Wiruch Tanchanapra**

Director of Air Quality and Noise Management Division  
Department of Environment, BMA





## Bangkok Master Plan on Climate Change 2013-2023



# Direction of The Thailand Government



At COP26, the Thai government announced on 1 November 2021.

- **Thailand NDC will be 40% by 2030**
- **Carbon neutrality by 2050**
- **Net Zero GHG Emission by 2065.**



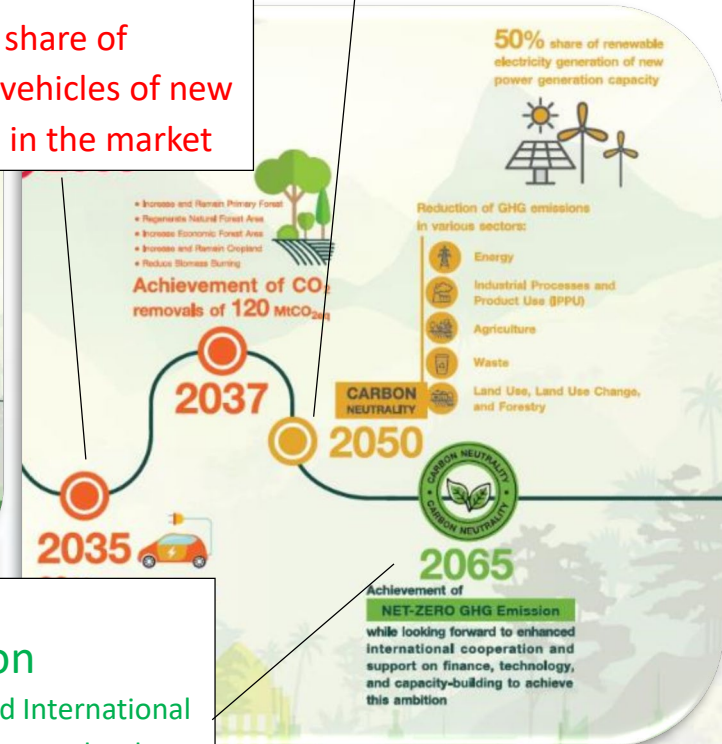
**Prayut Chan-o-cha**  
Thai Prime Minister



**2065**  
**Net-ZERO GHG Emission**  
while looking forward to enhanced International cooperation and support on finance, technology, and capacity-building to achieves this ambition

**2035**  
**69%** share of electric vehicles of new vehicles in the market

**2050**  
**50%** share of renewable electricity generation of new power generation capacity

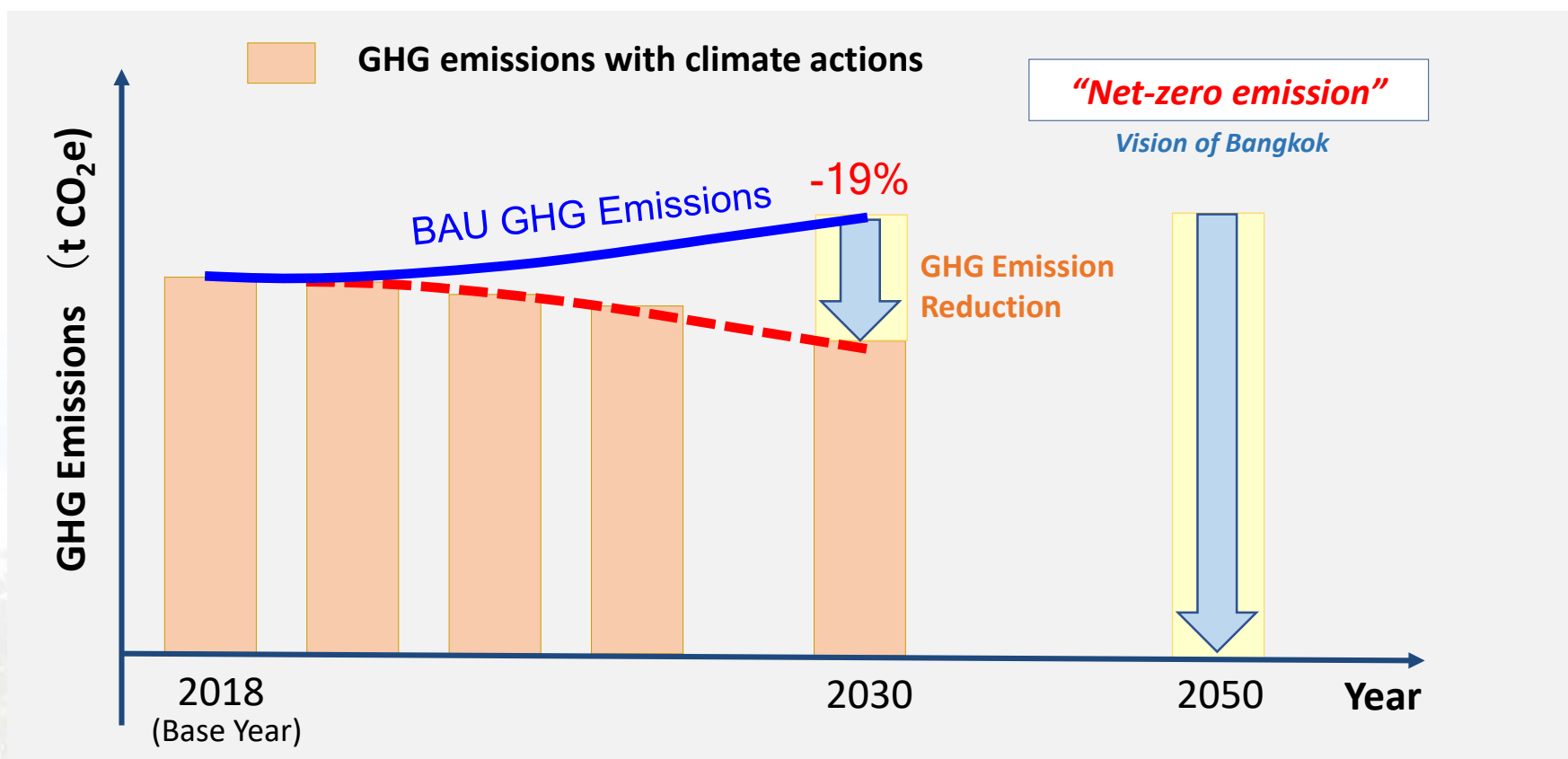




# The BKK New Master Plan on Climate Change



*2030: “Bangkok moves toward a green, livable and climate-resilient city, under the citywide collaboration for sustainable development.”*



# Mitigation Measures



## Main GHG Reduction

- 4 sectors: Transport, Energy, Waste&Wastewater, and Green Urban Planning
- 28% from Transport sector and 16% from Energy sector
- 6 main Transport measures: Public transportation (Infrastructure and supporting measure), Motor vehicles, Non-motorized transportation, Traffic Volume Flow Control and Public awareness raising)
- 2 main Energy measures: Energy Efficiency and Renewable Energy



Solar power boat cruising  
along Klong Phadung Krung Kasem





# Adaptation Measures



## Impact and Adaptation Measure

- The impact of climate change is also serious in Bangkok.
- Inundation occurs more frequently in the city due to heavy rain in a shorter time than ever before.
- It is necessary to deal with phenomena such as floods caused by heavy rains during the monsoon season that occurred in 2011.



## Main Project Activities for Water Resource Management

- Construction of flood prevention structure along.
- Construction of drainage system in the main road and tunnels.
- Canals Improvement and development project.
- Development of proactive water management system.



# Cooperation with various stakeholders

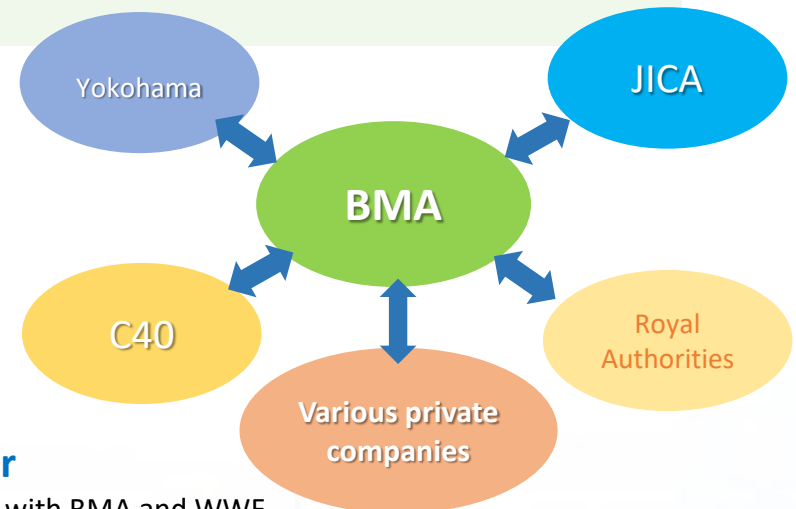


- Bangkok is working with various stakeholders to promote climate change policy.
- For example, conducting a large-scale earth hour in cooperation with WWF.
- Private sectors and BMA have signed MOU on environmental activities.
- Based on this MOU, BMA is expanding the content of participating companies and their efforts.



## Environment Day

The support from many companies was obtained and high environmental awareness was confirmed.



## Intercity cooperation

BMA and Yokohama are cooperating to discuss various activities toward the realization of the New Master Plan developed with the support of JICA.

## Earth hour

In cooperation with BMA and WWF, many private sectors participated in the 'lights down' event.







*Thank you*

