



# EGNRET 54<sup>th</sup> Meeting



## The Impact of COVID-19 on Chinese Taipei Renewable Energy Development

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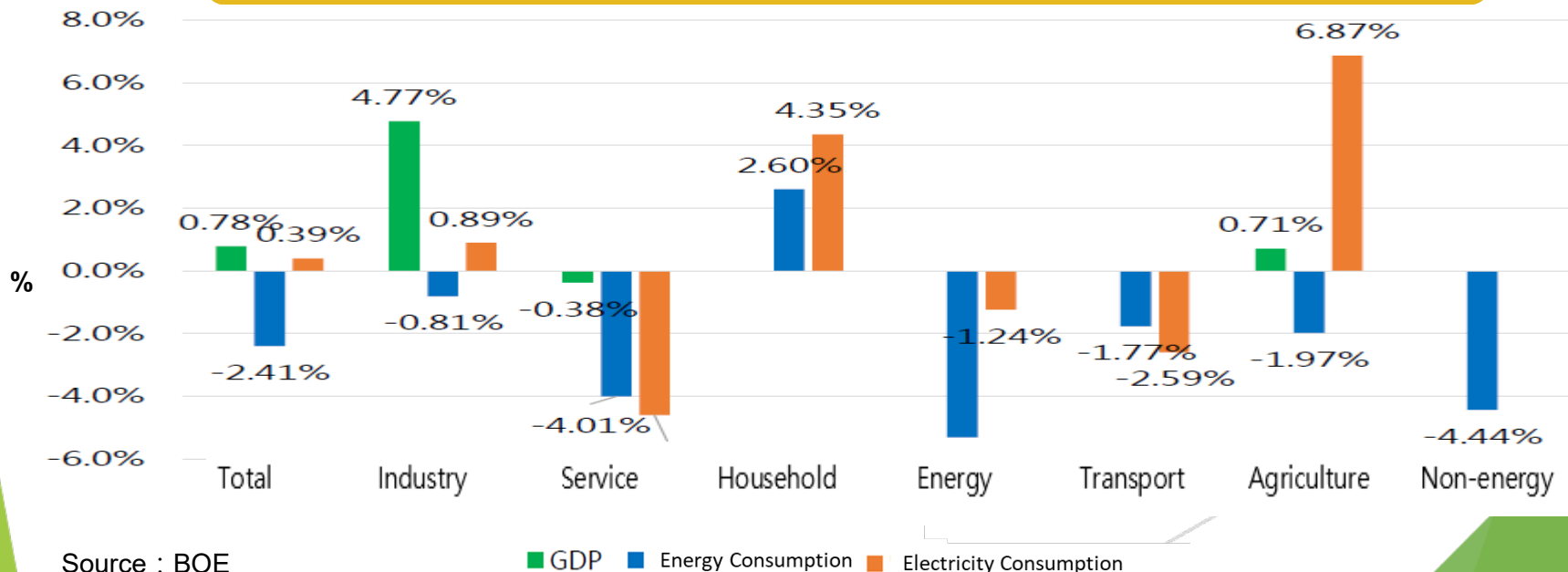


# 1. Energy Demand Situations

## First half of 2020 v.s. First Half of 2019

- ◆ GDP increased by 0.78% in 2020, compared to 2019.
- ◆ Electricity consumption increased by 0.39% but energy consumption decreased by 2.41%
  - Industry Sector: electricity consumption increased by 0.89%.
  - Service Sector: Electricity consumption dropped by 4.61%.
  - Household Sector: Electricity consumption increased by 4.35%

### Energy and Electricity consumption change in percentage H1 of 2019 vs. H1 of 2020



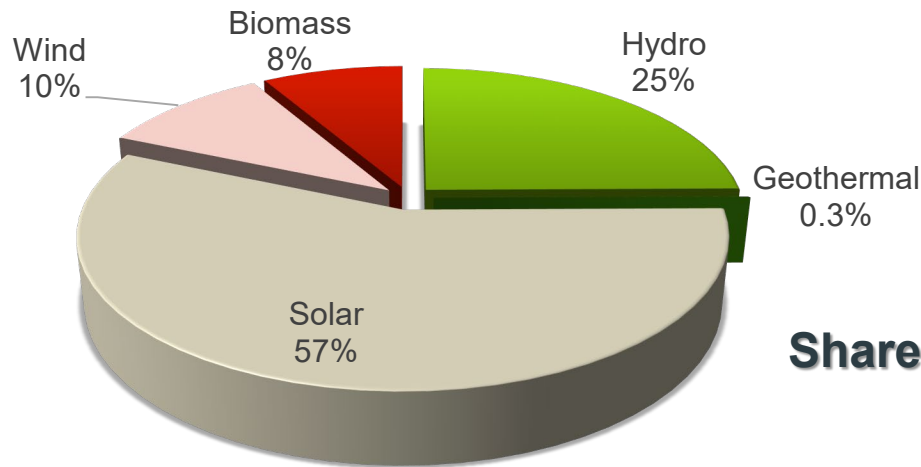
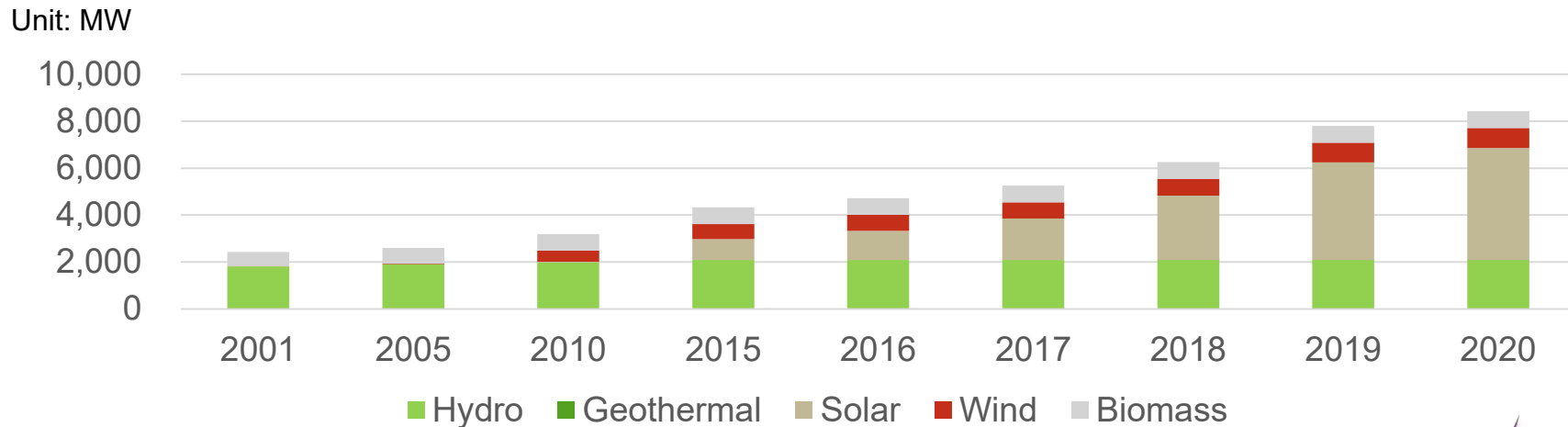
## 2. Renewable Energy Target

- Chinese Taipei has set a target of 20% renewable energy generation by 2025.
- Mainly focus on **Solar** and **Wind Energy** Development.

		Power Capacity (MW)		
		2019	2020(f)	2025(f)
Solar PV		4,150	6,500	20,000
Wind	onshore	717	814	1,200
	offshore	128	520	5,667
Geothermal		0.3	150	200
Biomass		709	768	813
Hydro Power		2,093	2,100	2,150
Fuel Cell		0.3	22.5	60
Total		7,796	10,875	30,090

# 2. Renewable Energy Development

- The total installed capacity of renewable energy was **8,544.22MW** at the end of **August 2020**.



**Share of RE Capacity**

# 4. Response to COVID-19 Impact

## Solar PV

### Grid-connection of PV postponed due to lack of materials

#### Impact

- The outbreak of COVID-19 had resulted in **shortage of imported PV components** (such as glass, plastic, junction box...etc.).
- Solar PV field construction **delayed due to limited import of raw materials**.
- Ministry of Economic Affairs has held a review meeting to discuss solutions in accordance with the circumstance that has been changed substantially.

#### Response

FiT rate in 2019 had been **extended for 2 months** from Jun. to Aug. 2020

- The solution was to **relieve solar PV providers' the short-term pressure** of meeting the deadlines through diverting old and new projects.
- Subjects of extension:
  - ✓ Solar PV projects less than 10MW: Deadline extended until August 31, 2020, for those obtaining recordation approval from August to December 2019.
  - ✓ Solar PV projects less than 500kW: Deadline extended until June 30, 2020, for those obtaining recordation approval from October to December 2019.

# 4. Response to COVID-19 Impact

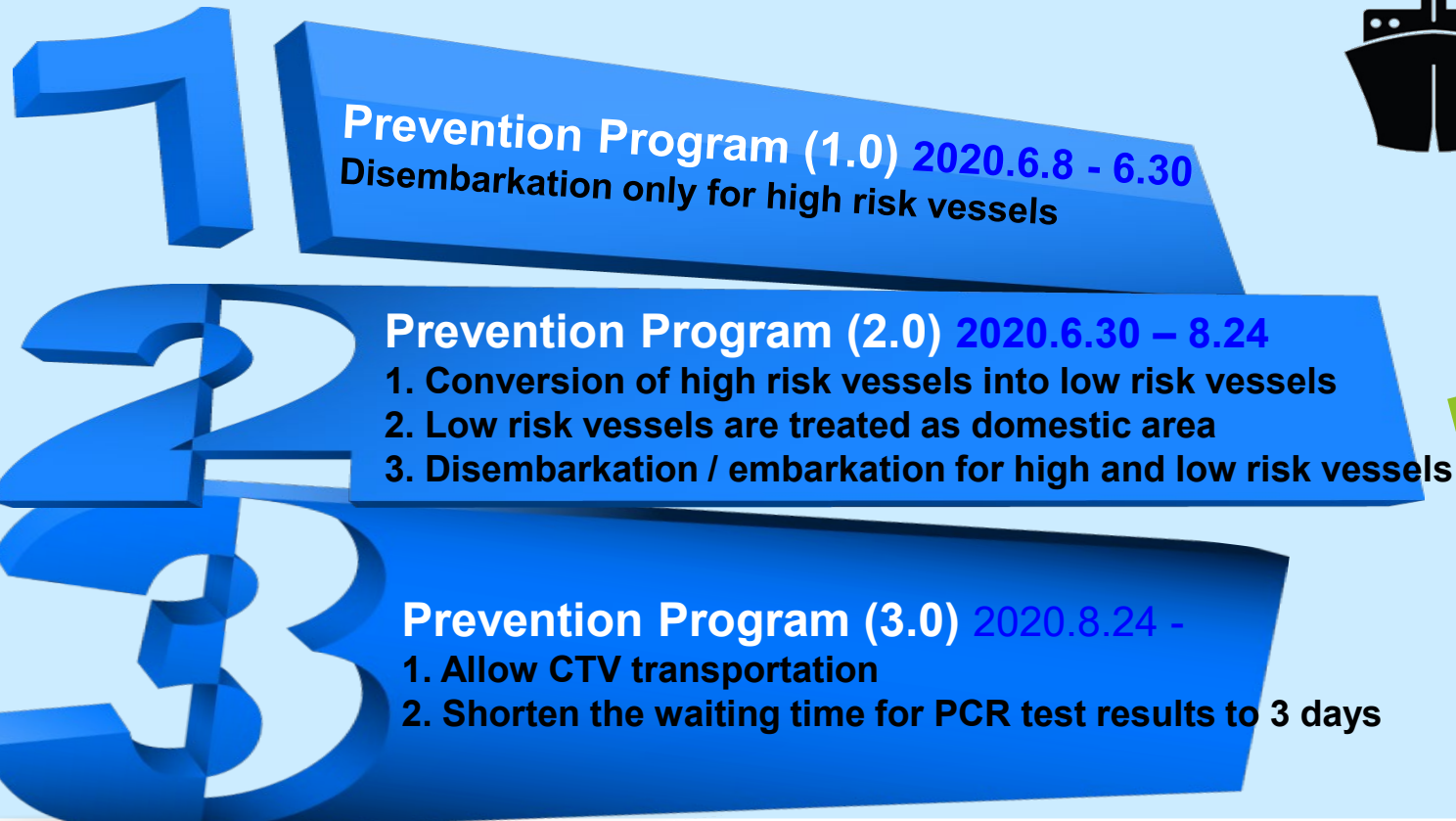
## Offshore Wind

### Impact:

Quarantine for international travelers and all foreign visitors are barred from entering.

### Response:

- ◆ Providing 1<sup>st</sup>, 2<sup>ed</sup> and 3<sup>rd</sup> edition of the prevention plans.

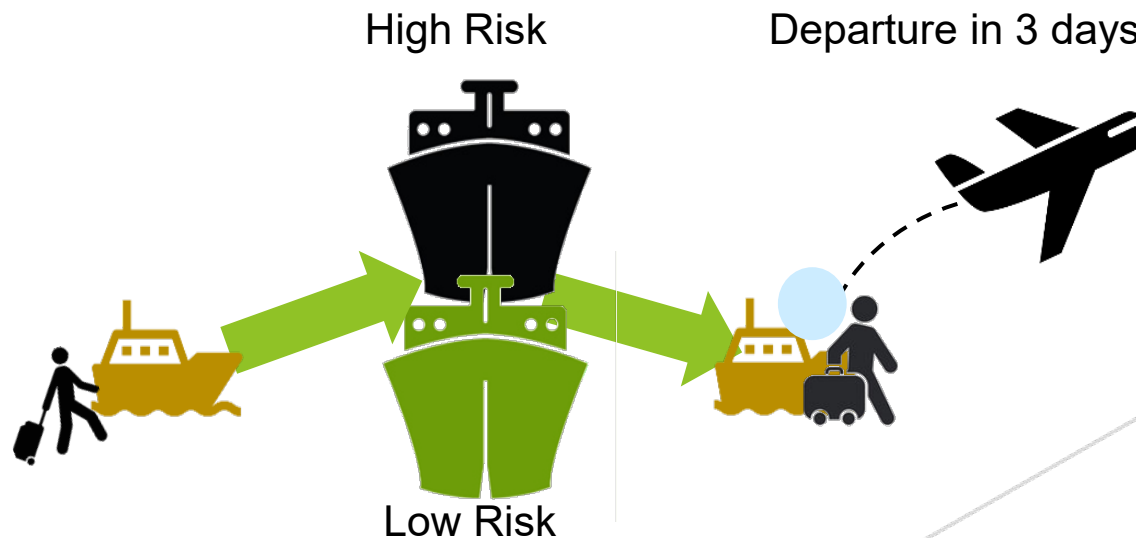


# 4. Response to COVID-19 Impact

## Offshore Wind

### Prevention Program (3.0)

- Crews depart from high risk vessel need to be tested negative for PCR and departure in 3 days.
- Allowing crew transfer vessel (CTV) to transport crew between offshore wind farms and the port.
- Shortening the time of waiting for PCR test results to 3 days.



# 5. Conclusion

- Most impact of COVID-19 on renewable development has been conquered
  - Chinese Taipei has remained the target of **renewable energy generation to 20% by 2025**
    - Solar PV : **20 GW by 2025**
    - Offshore Wind : **5.7 GW by 2025**
- Renewable energy will continue to grow to stimulate the domestic economy and create green-collar jobs.





# Thank you



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