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### **Errata for the 'APEC Energy Demand and Supply Outlook, 7<sup>th</sup> Edition 2019'**

#### **Volume 1**

##### Chapter 2: Energy Demand Outlook p.38

- In the left chart representing the absolute projections of hydrogen demand from 2016-50, demand in 2050 should reach 4.8 Mtoe.<sup>1</sup>
- In the right chart comparing sectoral shares in 2016 against 2050, 2050 shares should be: Transport 89%, Services 2.4%, Residential 3.3% and Industry 4.5%.
- In the paragraph following Figure 2.15, '*transport represents 88% of total hydrogen demand*' should be '*transport represents 89% of total hydrogen demand*'.

##### Chapter 4: Outlook for Electricity p.75

- In the text in Box 4.1, '*Laos PDR*' should be '*Lao PDR*'.

##### Chapter 5: Achieving APEC Targets p.83

- In the seventh paragraph of the section titled '*APEC Target Scenario*', '*energy intensity improvement of 56% by 2035 and 69% by 2050*' should be '*energy intensity improvement of 57% by 2035 and 70% by 2050*'.<sup>2</sup>

##### p.94

- In the first paragraph of Box 5.1, '*Hydrogen demand reaches 4.8 Mtoe in 2050, compared with 4.1 Mtoe in the BAU*' should be '*Hydrogen demand reaches 7.5 Mtoe in 2050, compared with 4.8 Mtoe in the BAU*'.
- In the left chart representing the absolute projections of hydrogen demand from 2016-50, demand in 2050 should reach 7.5 Mtoe.<sup>1</sup>
- In the right chart comparing sectoral shares in 2016 against 2050, 2050 shares should be: Transport 91%, Services 1.6%, Residential 4.5% and Industry 2.8%.

##### Chapter 6: Low-carbon Scenario p.113

- In the left chart representing the absolute projections of hydrogen demand from 2016-50, demand in 2050 should reach 9.0 Mtoe.<sup>1</sup>

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<sup>1</sup> Those interested in the updated hydrogen numbers in the Outlook 7th Edition Tables, please contact APERC.

<sup>2</sup> The Outlook 7<sup>th</sup> Edition Tables with updated energy intensity numbers are available for download online.

- In the right chart comparing sectoral shares in 2016 against 2050, 2050 shares should be: Transport 83%, Services 1.6%, Residential 7.8% and Industry 7.2%.
- In the paragraph following Figure 6.11, '*Overall demand for hydrogen in the 2DC is 75% (3.2 Mtoe) higher*' should be '*In 2050, overall demand for hydrogen in the 2DC is 88% (4.2 Mtoe) higher*'.
- In the same sentence, '*the transport share (73%) of overall demand in the 2DC is lower than in the BAU (88%)*' should be '*the transport share (83%) of overall demand in the 2DC is lower than in the BAU (89%)*'.

#### Chapter 9: Energy Trade p.160

- In the second paragraph of the section titled '*New Refinery Capacities Reduces Gasoline Import Dependency*', the bracketed reference '*Figure 9.3*' should be '*Figure 9.5*'.
- The section heading '*New Refinery Capacities Reduces Gasoline Import Dependency*' should be '*Despite New Refineries, Oil Product Imports Grow*'

#### **Volume 2**

##### Chapter 2: Brunei Darussalam p.39

- In the color legend of Figure 2.10, 'Gas with CCS' should be added, corresponding to orange with diagonal stripes.
- On the left chart representing capacity projections within the same figure, 0.20 GW of 'Gas with CCS' should appear in 2040, and 0.27 GW in 2050.

##### Chapter 5: China p.108

- In Figure 5.14, the NDC range should reach 10 898 MtCO<sub>2</sub> at the upper boundary and 9 536 MtCO<sub>2</sub> at the lower boundary in 2030.

##### Chapter 6: Hong Kong, China p.111

- In the first item of the '*Key Findings*', '*demand increases at a moderate 2.4% per year in the BAU Scenario*' should be '*demand increases 1.9% in the BAU Scenario*'.

##### p.116

- In the first paragraph of the section titled 'Transport: Demand Increases Gradually', '*578 billion tkm*' should be '*578 million tkm*'.

##### Chapter 10: Malaysia p.191

- In the last item of the '*Key Findings*', '*total energy-related emissions in the BAU reach 330*

*MtCO<sub>2</sub> in 2050—50% higher than the 2016 level of 220 MtCO<sub>2</sub>' should be 'total energy-related emissions in the BAU reach 324 MtCO<sub>2</sub> in 2050—50% higher than the 2016 level of 213 MtCO<sub>2</sub>'.*

p.192

- In the second paragraph, '*a 35% increase from 2015*' should be '*a 35% increase from 2000*'.
- In the following sentence, '*USD 27 289 in 2016*' should be '*USD 27 389 in 2016*'.

p.199

- In the first paragraph of the section titled '*Transport: Electric Vehicle Adoption Remains Low Despite High Growth Rate*', '*decreasing from 86% in 2016 to 83% in 2050*' should be '*decreasing from 97% in 2016 to 94% in 2050*'.

p.206

- In the second paragraph of the section titled '*Scenario Implications*', '*The second largest share of spending (19%) is allotted to upstream activities – USD 315 billion over the Outlook period*' should be '*The second largest share of spending (24%) is allotted to upstream activities – USD 396 billion over the Outlook period*'.

**Annex**

*Electricity p.38*

- In Figure 3, the capital cost assumption range for onshore wind technologies has been updated. Please refer to the updated document on the APERC website.