

អាជ្ញាធរអគ្គិសនីកម្ពុជា  
Electricity Authority of Cambodia



# Overview on Power Sector in Cambodia

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Electricity Authority of Cambodia(EAC)

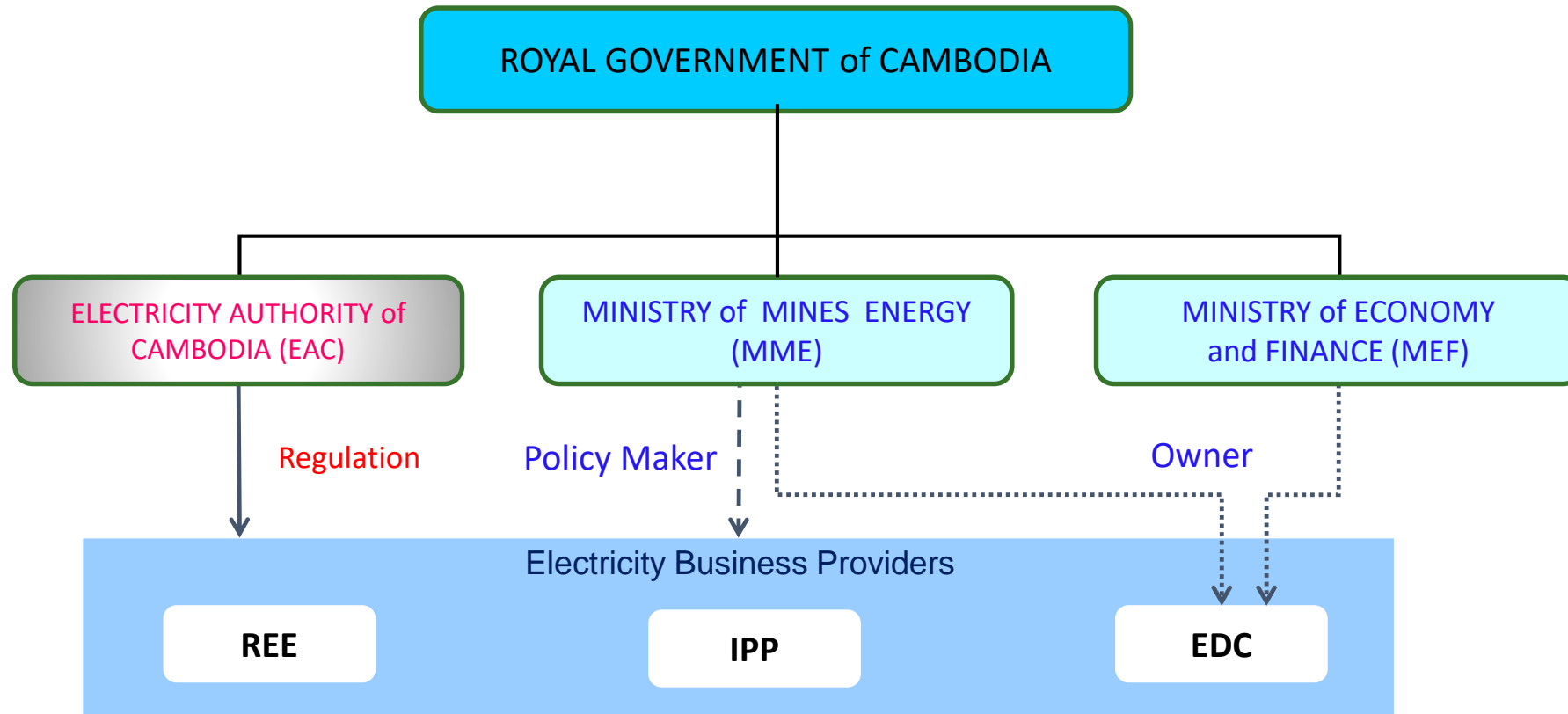


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# **1. Management Structure of Power Sector**

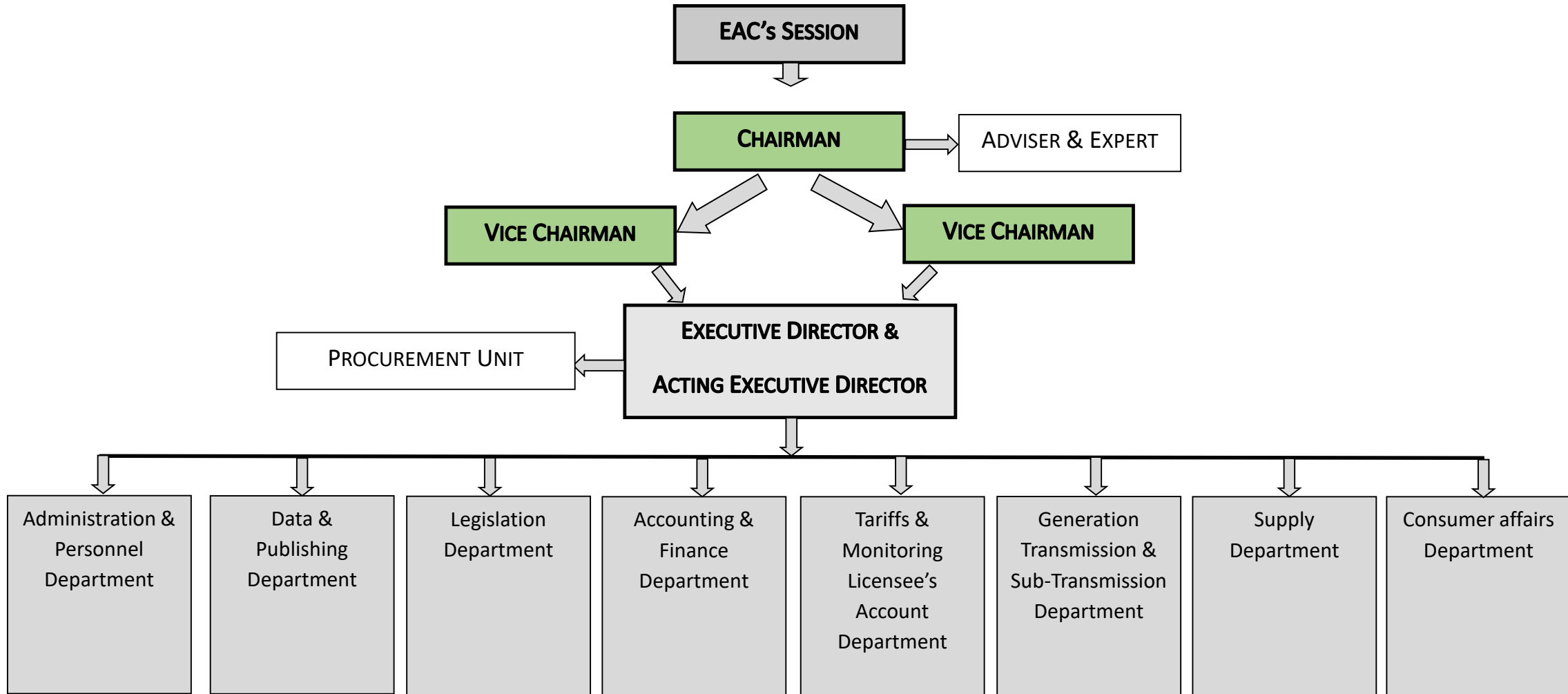
# 1- Management Structure of Power Sector



## **2. Role of Electricity Authority of Cambodia (EAC)**

## 2- Role of Electricity Authority of Cambodia

- EAC Management Structure



## 2- Role of Electricity Authority of Cambodia(Con't)

### Responsibility of EAC:

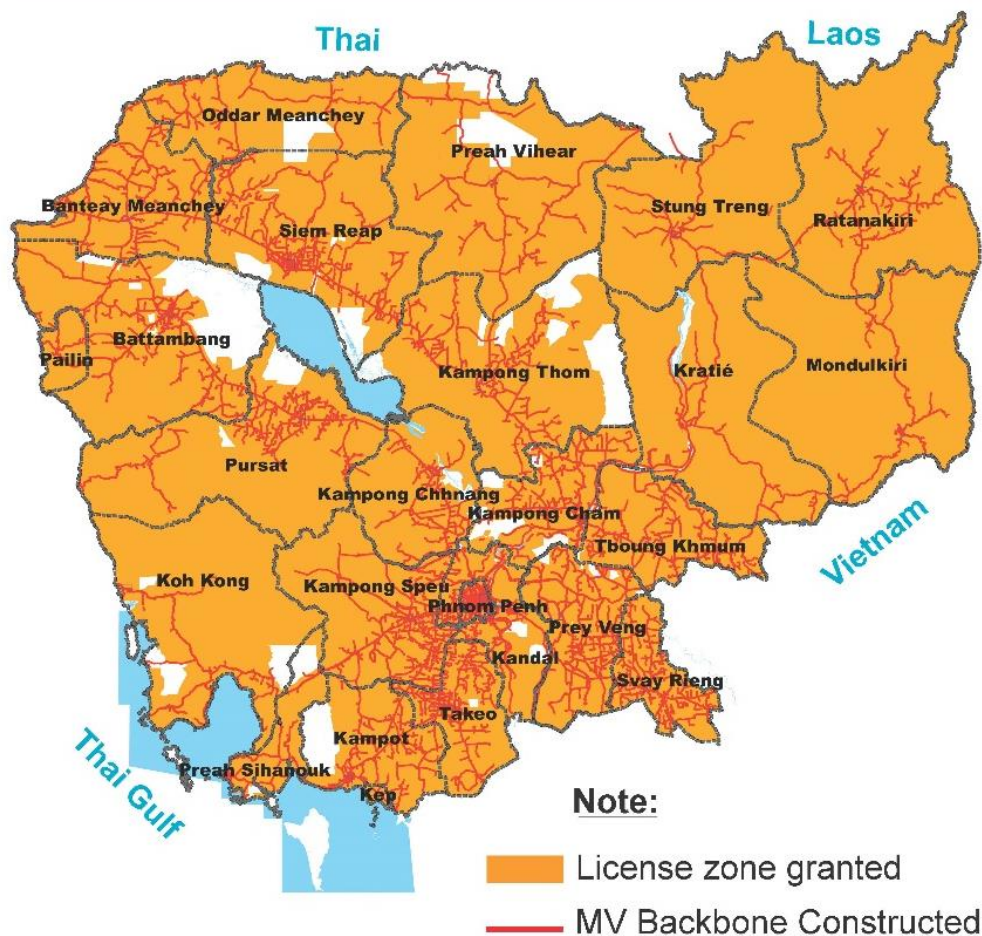
- Issue the regulations and licenses to electric power services,
- Review the cost and approve the tariff,
- Resolve the dispute,
- Control and impose the penalty.

### **3. Development status of Cambodia's energy sector**

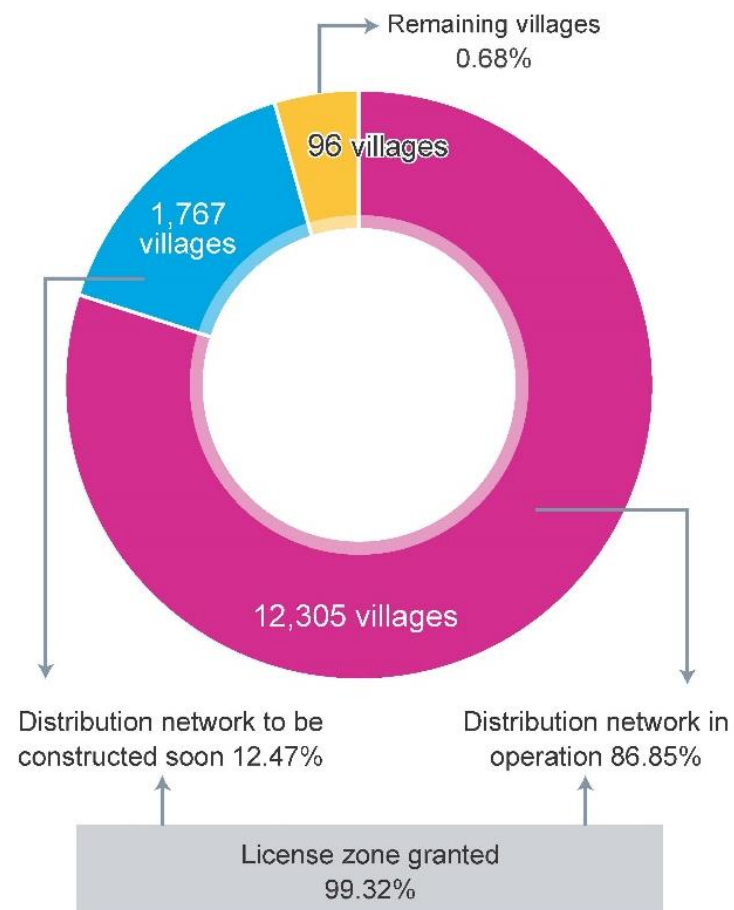


### 3. Development status of Cambodia's energy sector

**Distribution License Zone Granted and MV Backbone Constructed for Year Ended 2018**

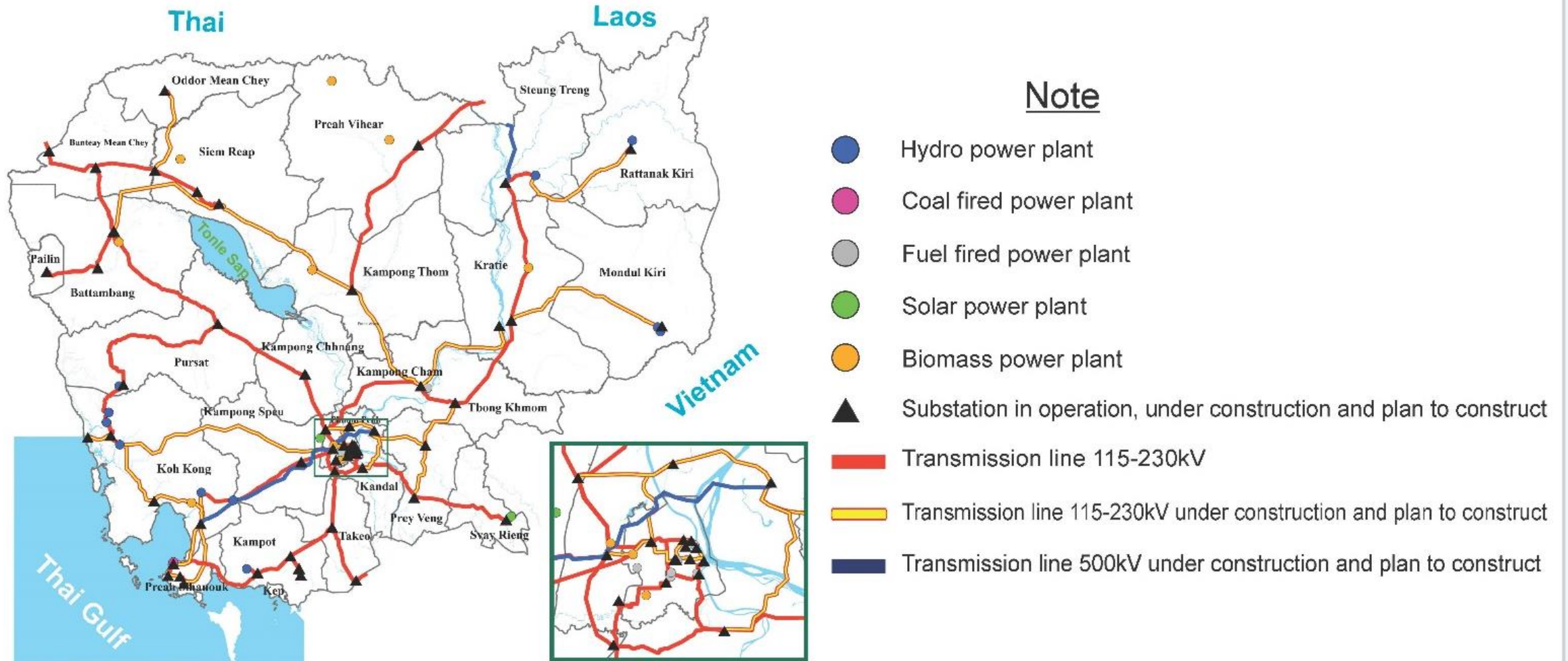


**Situation of Electrification in Cambodia (City + Rural as at December 2018)**



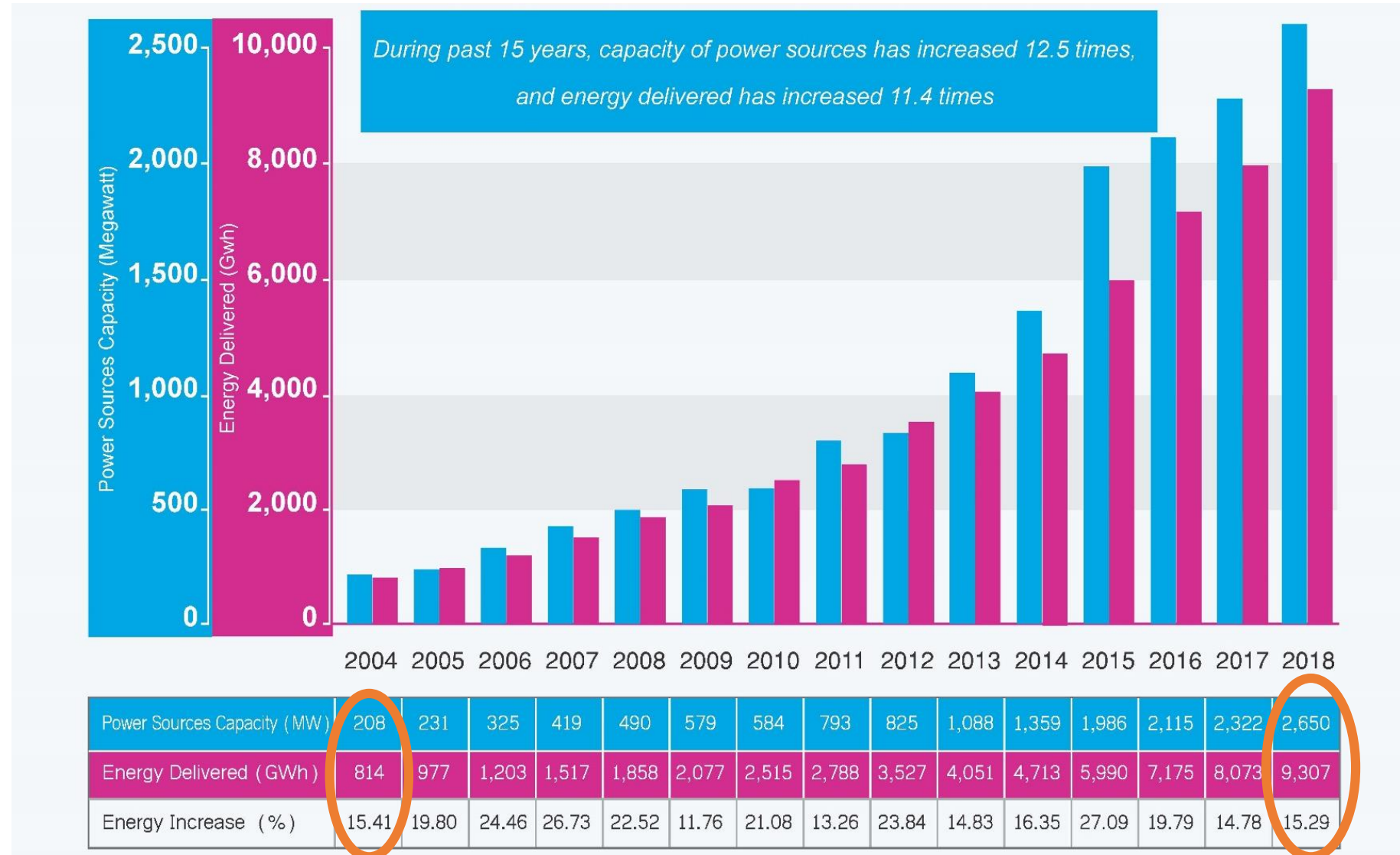
### 3. Development status of Cambodia's energy sector (Con't)

#### Development plan for national grid by 2020



### 3. Development status of Cambodia's energy sector (Con't)

#### Progress of Development of Power Sources during past 15 years





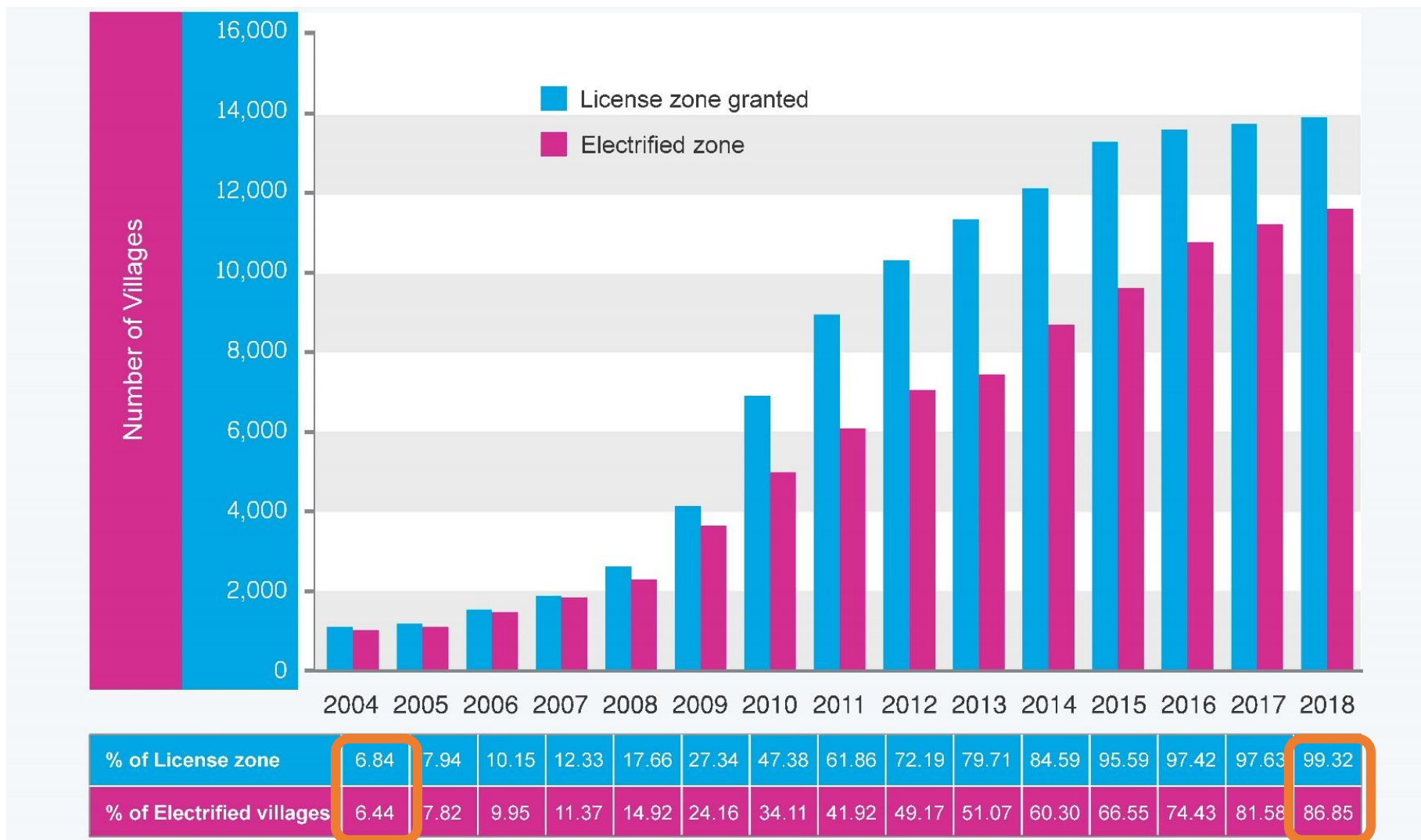
### 3. Development status of Cambodia's energy sector (Con't)

#### Data of Different Source of Power for Cambodia

Power Sources	2017			2018			Plan for 2019		
	MW	GWh	%	MW	GWh	%	MW	GWh	%
<b>1. Domestic Generation</b>									
Coal	538.00	3,569.01	44.21	538.00	3,211.26	34.50	660.00	3,389.57	31.36
Hydro power	979.70	2,711.14	33.58	1,329.70	4,511.44	48.47	1,329.70	4,626.12	42.80
Fuel Oil	271.98	259.39	3.21	271.98	179.79	1.93	271.98	425.47	3.94
Renewable Energy	64.77	56.53	0.70	64.77	42.52	0.46	163.77	73.33	0.68
Captive Generation by Industry and Licensees	25.16	37.61	0.47	3.31	8.63	0.09	2.70	7.71	0.07
<b>Total Domestic Generation</b>	<b>1,879.61</b>	<b>6,633.68</b>	<b>82.17</b>	<b>2,207.76</b>	<b>7,953.64</b>	<b>85.45</b>	<b>2,428.15</b>	<b>8,522.20</b>	<b>78.85</b>
<b>2. Import Power Sources</b>									
Thailand	135.50	290.93	3.60	135.50	262.65	2.82	135.50	664.82	6.15
Vietnam	277.00	1,094.66	13.56	277.00	1,027.15	11.04	277.00	1,549.01	14.33
Laos	30.00	53.56	0.66	30.00	64.00	0.69	30.00	71.68	0.66
<b>Total Import</b>	<b>442.50</b>	<b>1,439.15</b>	<b>17.83</b>	<b>442.50</b>	<b>1,353.80</b>	<b>14.55</b>	<b>442.50</b>	<b>2,285.51</b>	<b>21.15</b>
<b>3. Total Power Sources</b>	<b>2,322.11</b>	<b>8,072.84</b>	<b>100.00</b>	<b>2,650.26</b>	<b>9,307.44</b>	<b>100.00</b>	<b>2,870.65</b>	<b>10,807.71</b>	<b>100.00</b>
<b>4. Increase over prev. year</b>	<b>222.62</b>	<b>1,039.69</b>	<b>14.78</b>	<b>328.15</b>	<b>1,234.60</b>	<b>15.29</b>	<b>220.39</b>	<b>1,500.27</b>	<b>16.12</b>

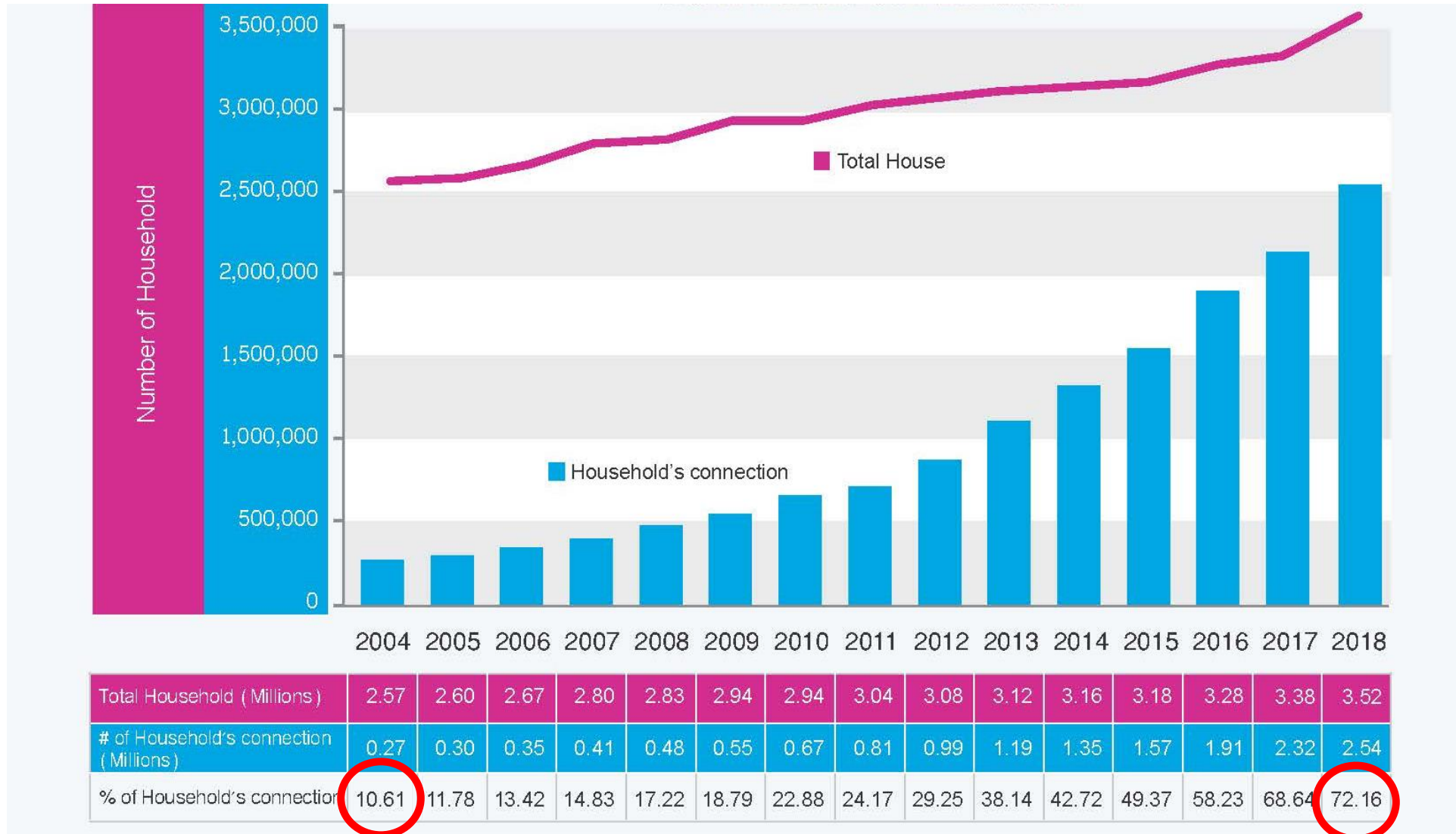
### 3. Development status of Cambodia's energy sector (Con't)

- Growth of Distribution Network Development for Past 15 Years



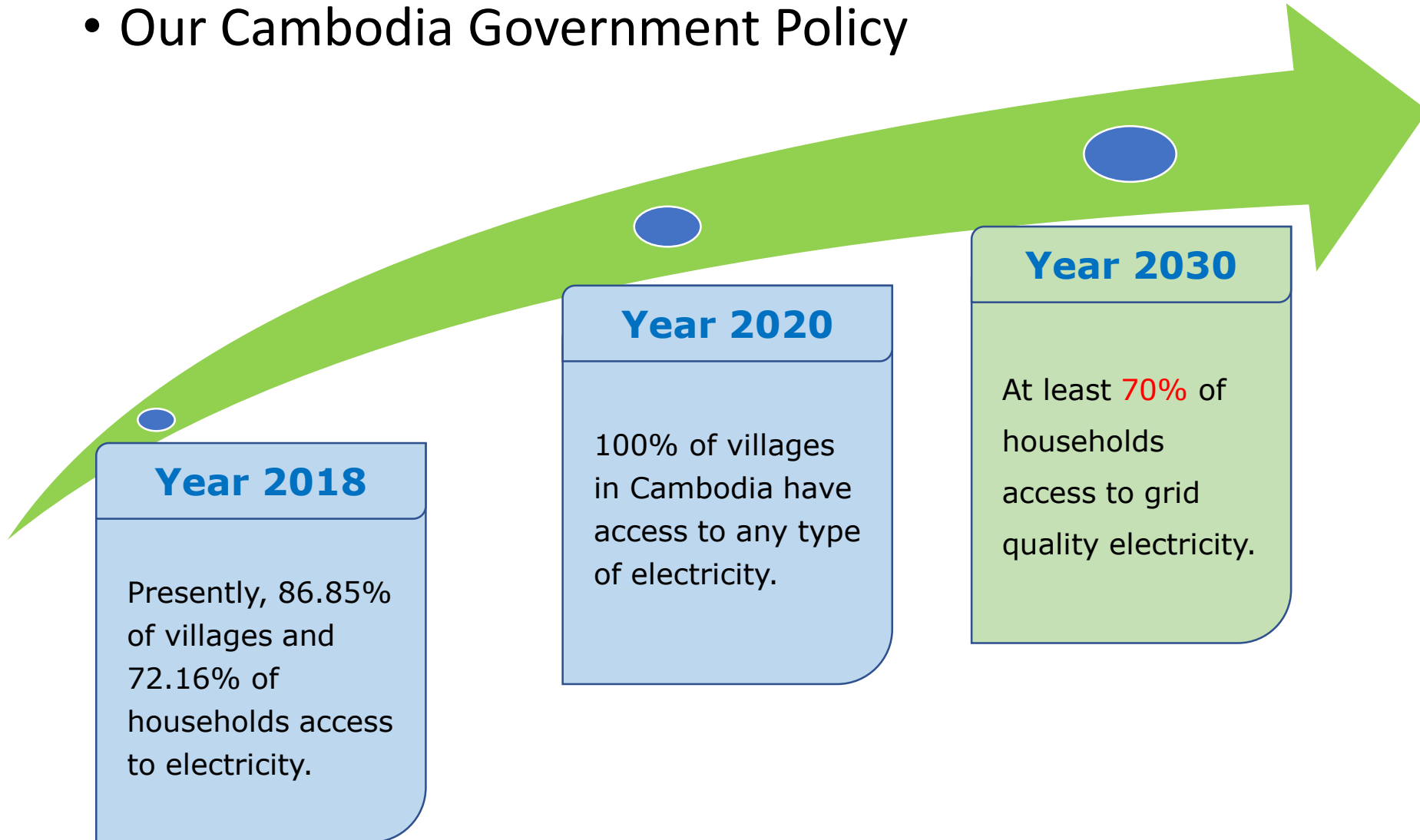
### 3. Development status of Cambodia's energy sector (Con't)

- Growth of Household's connection for Past 15 Years



### 3. Development status of Cambodia's energy sector (Con't)

- Our Cambodia Government Policy



### **3. Development status of Cambodia's energy sector (Con't)**

#### **Key challenges**

- Problems of interrupt and power outages
- Problems of voltage drop below standard at some areas
- Some citizen who have no electricity request to have electricity



