

# 9<sup>th</sup> Electric Power Sector Working Group Meeting

## Update on Power Planning

25-8-2016  
NayPyiTaw

- To Fulfill the electricity and energy needs
  - People
  - Industries, Commercials
  - Local and Foreign investors
- Draw up short term, medium term and long term plans

# Current Status of Electricity Supply in 2015-2016

Electrification in 2015-2016						
Electrified Towns	Rural Electrification			Electrified Household		
	Total Nos. of Villages	Electrified Villages	%	Total Household (Million)	Electrified Household (Million)	%
422	63,860	30,350	48%	10.877	3.70	34%

Transmission Line and Substation in 2015-2016				
Voltage (kV)	Transmission Line		Substation	
	Nos. of Line	Line Length (mile)	Nos. of Substation	Capacity (MVA)
230	59	2,603.51	46	5,865
132	40	1,366.68	36	2,193.5
66	166	3,034.62	140	2,622.1
<b>Total</b>	<b>265</b>	<b>7,004.81</b>	<b>222</b>	<b>10,680.6</b>

## Current Status of Electricity Supply in 2015-2016

### Installed Capacity of Power Plant in 2015-2016

Type of Plant	Coal	Hydro	Gas	Diesel	Total
Capacity (MW)	120	3,185	1,829	101	5,235
Energy Mix by Capacity	2%	61%	35%	2%	100%

### Power Generation in 2015-2016

Type of Plant	Coal	Hydro	Gas	Diesel	Total
Generation (GWh)	-	9398.98	6517.75	55.23	15,971.96
Energy Mix by Generation	-	58.85%	40.80%	0.35%	100%

### Electricity Consumption in 2015-2016

Type of Use	Industrial	Residential	Commercial	Others	Total	Per Capita Consumption
kWh Million	4,120.768	6,674.658	2,506.079	248.762	13,550.267	263kWh/year
Percentage	30.41%	49.26%	18.49%	1.84%	100%	

## Statistical data based on May - 2016

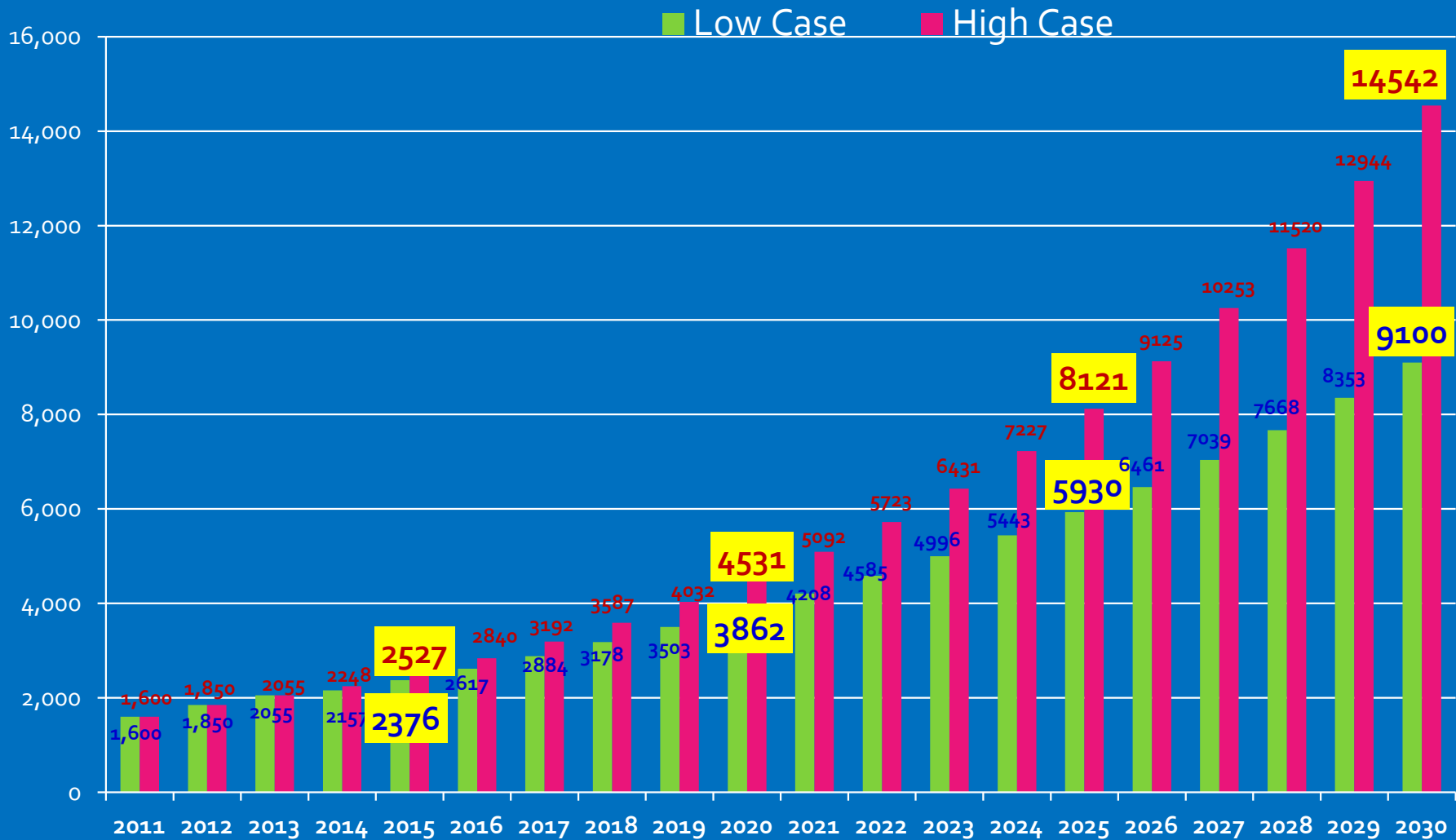
- Total no. of Household - 10.8 million
- Electrified Household - 3.8 million (35.2 %)
- Light use for the rest - 2100 MW (300 W/ Household)

### Forecast and Plan for 2017

- The power demand of 2017 is 3,192 MW. To meet this demand 300 MW Power Plant Project will implemented in Yangon area by the private investment for short term plan.

Sr. No.	Year	Power Demand MW, Low Case (GDP growth 6.4 %)	Power Demand MW, High Case (GDP growth 6.4 %)
1	2016	2617	2840
2	2020	3862	4531
3	2025	5930	8121
4	2030	9100	14542

# Demand Forecast for 20 years period (2011-2030)



## Medium Term Plan

Peak demand for 2020	-	4,531 MW
Additional Generation need apart from 2017	-	1,548 MW
Total electricity can assess after connecting Chipwe and Dapein (1) Power Project	-	1,371MW
By LNG project	-	200 MW



# Long Term Plan

Peak demand for 2030	-	14,542 MW
Fulfill by Hydro and CCGT	-	
New gas supply from AD-7		

National Electrification Projects Plan -99 % by 2030

Will implement by World Bank IDA Loan

- On – grid Extension
- Off – grid – Minigrid
- Preelectrification
- Cost – effective Tariff