

## Primary Energy Balance for FY 2016

	Natural Gas	Coal	Oil			Nuclear	Primary Electricity (Incl Import)			Electricity	Total
			Condensate, NGL	Crude Oil	Petroleum Product		Hydro	RE	Cross-Border		
	(M toe)	(M toe)	(M toe)	(M toe)	(M toe)	(M toe)	(M toe)	(M toe)	(M toe)	(M toe)	(M toe)
<b>I. Supply</b>											
Primary Production	23.299	0.623	0.736				0.083	0.000			24.741
Imports	0.000	2.097		1.104	4.598	0.000			0.329		8.128
Exports			-0.060		-0.038						-0.099
International Aviation Bunkers					-0.316						-0.316
International Marine Bunkers					0.000						0.000
Stock Changes		-0.062		0.041	0.194						0.174
<b>Total Primary Energy Supply: TPES</b>	<b>23.30</b>	<b>2.66</b>	<b>0.68</b>	<b>1.146</b>	<b>4.44</b>	<b>0.00</b>	<b>0.08</b>	<b>0.00</b>	<b>0.33</b>		<b>32.629</b>
	71.4%	8.1%	2.1%	3.5%	13.6%	0.00%	0.3%	0.0%	1.0%		100.0%
<b>II. Transformation</b>											
Refinery			-0.68	-1.15	1.48						-0.34
Losses in Distribution (NG & Coal)	-0.15	0.00									-0.15
Primary Energy to Thermal P.S	-13.42	-0.30			-1.90					15.617	0.00
Nuclear and Primary Electricity						0.00	-0.08	0.00	-0.33	0.412	0.00
<b>Primary Energy Available for Consumption in Sectors and Electricity Generation</b>	<b>9.73</b>	<b>2.36</b>			<b>4.02</b>					<b>16.029</b>	<b>32.14</b>
Transformation at Power Station: Thermal loss incl. own use										-10.193	-10.19
T&D Losses (Electricity)										-0.593	-0.59
Electricity for Final Consumption (Incl Captive)										5.243	
<b>Energy Available for Consumption</b>	<b>9.73</b>	<b>2.36</b>			<b>4.017</b>					<b>5.243</b>	<b>21.35</b>
<b>III. Total Final Consumption (TFC)</b>											
Residential	3.39				0.39					1.98	5.76
Commercial	0.21				0.03					0.44	0.68
Industrial	3.76	2.36			0.26					2.68	9.06
Transportation	1.11				2.31					0.00	3.43
Irrigation					0.96					0.14	1.10
Non-Energy	1.26				0.12						1.38
<b>Total Final Consumption (TFC)</b>	<b>9.730</b>	<b>2.359</b>			<b>4.073</b>					<b>5.243</b>	<b>21.406</b>
Percentage of Total	45%	11%			19%					24%	100%
Statistical Differences					-0.056						-0.056

Note:

- 1) Bangladesh's own data used for primary energy equivalent conversions and CO2 emission calculations.

## Summary

1	Energy dependence in FY 2016	24.37%							
2	Share of Electricity in TES	49.59%							
3	Share of Clean Energy in TES	1.26%							
4	<b>Table: Primary Energy Supply by Fuel and Electricity</b>								
		Gas	Coal	Oil	Nuclear	Electricity	Total		
	FY 2016	9.79	2.36	4.29		16.18	<b>32.629</b>		
		23.30	2.66	6.26	0.00	0.41	<b>32.629</b>		
5	<b>Table: Primary Energy Supply by Sectors</b>								
		Res	Comm	Industry	Transp	Irrigati	Non-Ene	Total	
	FY 2016	10.07	1.63	14.51	3.57	1.46	1.39	<b>32.629</b>	
		31%	5%	44%	11%	4%	4%		
6	<b>Table: Total Final Energy Consumption by Sectors</b>								
		Res	Comm	Industry	Transp	Irrigati	Non-Ene	Total	
	FY 2016	5.76	0.68	9.06	3.43	1.10	1.38	<b>21.406</b>	
		27%	3%	42%	16%	5%	6%		
	Per Cap	36	4	57	21	7	9	134	
7	<b>Table: CO2 Emission by Fuel Sources</b>								
		Gas	Coal	Petroleum	Electricity		Total		
	FY 2016	19.12	9.15	12.21	37.63		<b>78.114</b>		
		49.40	10.33	18.38			78.114		
8	<b>Table: CO2 Emission by Sectors</b>								
		Res	Comm	Industry	Transport	Irrigati	Non-Ener	Total	
	FY 2016	23.52	3.83	37.04	9.69	4.03	0.00	<b>78.114</b>	
Per Cap TPES-Ton		Energy Inte toe/M \$		Emission Inten ton/M \$		Per Cap Emis-Tor		Grid Emis kg/kWh	
<b>0.204</b>		<b>123</b>		<b>295</b>		<b>0.489</b>		<b>0.598</b>	
		<b>1.572</b>		<b>3.763</b>				<b>0.610</b>	
		toe/ M Tk		Tonne/ M Tk				Fossil Fuel Only	

## Primary Fuel Data: FY 2016

NG		Coal		Liquid Fuel					Non Fossil			
Prod.	Import	Prod.	Import	Prod.	Crude Im	Peto Im	FO Im	LPG Im	Nuke	Hydro	RE	Elec Im
tcf	tcf	M Ton	M Ton	M Ton	M Ton	M Ton	M Ton	M Ton	M kWh	M kWh	M kWh	M kWh
0.973	0	1.022	3.812	0.729	1.093	3.673	0.709	0.173	0	962	2	3822