

## Sales, Customers, Rural & Distribution

### Networks Situation

Description	March 2018	July 2018	unit
<b>Total Monthly Sales</b>	<b>255586</b>	<b>84327</b>	
Residential	83402	26035	GWh
Public	24387	8627	
Agricultural	39379	13380	
Industrial	84658	28855	
Other Consumption (Commercial)	18736	6076	
Street Lighting	5022	1353	
<b>Total Customers</b>	<b>34846</b>	<b>35191</b>	
Residential	28106	28338	10 <sup>3</sup> Customers
Public	1613	1645	
Agricultural	422	431	
Industrial	236	239	
Other Consumption (Commercial)	4468	4538	
<b>Distribution Network</b>	<b>Mar-18</b>	<b>Aug-18</b>	<b>unit</b>
Length of Medium-Voltage Lines	425	428	10 <sup>3</sup> Km
Length of Low-Voltage Lines	362	364	
Number of Transformers	687	696	10 <sup>3</sup> Units
Capacity of Transformers	118830	120300	MVA
<b>Electrified Villages</b>	<b>Mar-18</b>	<b>Jul-18</b>	<b>unit</b>
Total Number of Electrified Villages	57030	57083	Villages
Total Electrified Villages Households	4496820	4497457	H.h.
Length of Rural Medium-Voltage Lines	145436	145531	Km
Length of Rural Low-Voltage Lines	100091	100127	
Number of Rural Transformers	77002	77086	Units
Capacity of Rural Transformers	7698	7701	MVA

### Electricity Industry at a Glance, March 2018

Description	Measure	unit
Installed Capacity per Capita	959	W
Generation per Capita	3820	KWh
Consumption per Capita	3126	
Ave.Con. Of each Household	2968	

### Various Consumption Sectors (%)

Description	March 2018	July 2018
Residential	32.6	30.9
Public	9.5	10.2
Agricultural	15.4	15.9
Industrial	33.1	34.2
Other Consumption (Commercial)	7.3	7.2
Street Lighting	2.0	1.6

### Power Industry Personnel, March 2018

Description (Degree)	Person	%
School Education	3185	6.8
High School Diploma	7349	15.8
Associate Degree	7549	16.2
B.A. / B.S. Degree	21454	46.1
M.S. & Ph.D.	7037	15.1
<b>Total</b>	<b>46756</b>	<b>100</b>




Islamic Republic of Iran  
Ministry of Energy

Tavanir Company

## Statistical Summary of Iran Electricity Industry

Deputy of Research & Human Resources

Information , communication Technology & Statistics  
Bureau

12 Oct. 2018



<http://amar.tavanir.org.ir>

**Nominal & Operational Capacity, Generation & Consumption Until 12 Oct. 2018**

Description	Measure	unit
Nominal Capacity of the Power plants	Thermal	64773
	Nuclear	1020
	Hydro	11951
	Renewable	628
	DG & CHP	1293
<b>Total</b>	<b>79665</b>	
*Increase of Nominal Capacity	Steam	
	Gas	383
	Combined Cycle	320
	Diesel	
	Renewable	88
	DG & CHP	144
<b>Total</b>	<b>1005</b>	
*Actual Capacity at Peak Load Time (11/07/2018 at 16:38)	Thermal	49142
	Hydro & Renewable	11466
<b>Total</b>	<b>60608</b>	
*Available Gen. at Peak Load Time (11/07/2018 at 16:38)	Thermal	44884
	Hydro & Renewable	3775
<b>Total</b>	<b>48659</b>	
*Imported Power at Peak Load Time		214
*Supplied Demand at Peak Load Time		48873
*Max. Managed Consumption in 2018	Day(11/07/2018 at 16:38)	<b>57098</b>
	Night(10/07/2018 at 21:37)	55175
*Gross Generation	Thermal	191235
	Hydro & Renewable	6811
	<b>Total</b>	<b>198046</b>
*Imported Energy	Change ( %) =-29	1827
*Exported Energy	Change ( %) =-36	3515

\* 21 March.2018 - 12 Oct.2018

Reference : Iran Grid Management Co. ( IGMC )

**Fuel Consumption, 21 March 2018- 12 Oct. 2018**

Description	Change ( %)	Measure	unit
Natural Gas	7.1	47196	10 <sup>6</sup> m <sup>3</sup>
Diesel	-21.8	1120	10 <sup>6</sup>
Fuel Oil	-31.8	1136	Liter
<b>Total</b>	<b>4.88</b>	<b>49452</b>	

**Synchronized & Forcasted Power Plants Units In(2018-2019)\*\***

Date of Synchronization	Name	Type	Unit No.	Nominal Capacity
<b>Synchronized Power Plants Units</b>				
2018	Renewable	Renewable		88
2018	DG & CHP	DG & CHP		144
16/04/2018	Jahrom	Combined Cycle	1	160
22/07/2018	Caspian	Gas	1	307
31/07/2018	Dariyan	Hydro	3	70
06/08/2018	Parand	Combined Cycle	2	160
07/10/2018	Makoo	Gas	1,2	76
<b>Total Synchronized Power Plants Units</b>				<b>1005</b>
<b>Forecasted Power Plants Units</b>				
	Shirvan	Combined Cycle	1	160
	Dalahoo	Gas	1	307
	Jahrom	Combined Cycle	2	160
	Sabalan	Combined Cycle	1	160
	Kashan	Combined Cycle	1	160
	Sardasht	Hydro	1,2,3	150
	Zahedan	Gas	1	42
	Renewable	Renewable		312
	DG & CHP	DG & CHP		56
	Asalooye	Combined Cycle	1	160
	Hormoz	Gas	1	160
	Gharbe Karoon	Gas	1	162
	Iran LNG	Gas	1,2,3	480
<b>Total Forecasted Power Plants Units</b>				<b>2469</b>
<b>Synchronized &amp; Forcasted Power Plants Units</b>				<b>3474</b>

**Transmission & Sub\_Transmission Lines & Substations**

Description	March. 2018	Increase	Sep. 2018	Unit
Length of Lines	400 Kv	20617	363	20980
	230 Kv	31589	534	32123
	<b>Total</b>	<b>52206</b>	<b>897</b>	<b>53103</b>
	132 Kv	23504	61	23565
	63&66 Kv	48295	429	48724
<b>Total</b>	<b>71799</b>	<b>490</b>	<b>72289</b>	
<b>Total</b>	<b>124005</b>	<b>1387</b>	<b>125392</b>	
Capacity of Substations	400 Kv	64093	1760	65853
	230 Kv	82045	1231	83276
	<b>Total</b>	<b>146138</b>	<b>2991</b>	<b>149129</b>
	132 Kv	32251	448	32699
	63&66 Kv	72794	1073	73867
<b>Total</b>	<b>105045</b>	<b>1521</b>	<b>106566</b>	
<b>Total</b>	<b>251183</b>	<b>4512</b>	<b>255695</b>	
Power Plant Substations	89027	873	89900	
<b>Total Substations</b>	<b>340210</b>	<b>5385</b>	<b>345595</b>	

**Lines & Substations Projects With More Than 85% Progress**

Description	March. 2018	Unit
Length of Lines	400 Kv	634
	230 Kv	1025
	<b>Transmission Total</b>	<b>1659</b>
	132 Kv	595
	63&66 Kv	1412
<b>Distribution Total</b>	<b>2007</b>	
<b>Total</b>	<b>3666</b>	
Capacity of Substations	400 Kv	3175
	230 Kv	3090
	<b>Transmission Total</b>	<b>6265</b>
	132 Kv	540
	63&66 Kv	2225
<b>Distribution Total</b>	<b>2765</b>	
<b>Total</b>	<b>9030</b>	

Reference : Regional Electric Companies