

Sales, Customers, Rural & Distribution

Networks Situation

Description	March 2018	July 2018	unit
Total Monthly Sales	255586	84327	
Residential	83402	26035	GWh
Public	24387	8627	
Agricultural	39379	13380	
Industrial	84658	28855	
Other Consumption (Commercial)	18736	6076	
Street Lighting	5022	1353	
Total Customers	34846	35191	
Residential	28106	28338	10 ³ Customers
Public	1613	1645	
Agricultural	422	431	
Industrial	236	239	
Other Consumption (Commercial)	4468	4538	
Distribution Network	Mar-18	Aug-18	unit
Length of Medium-Voltage Lines	425	428	10 ³ Km
Length of Low-Voltage Lines	362	364	
Number of Transformers	687	696	10 ³ Units
Capacity of Transformers	118830	120300	MVA
Electrified Villages	Mar-18	Jul-18	unit
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
Total	46756	100




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

19 Oct. 2018



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

Nominal & Operational Capacity, Generation & Consumption Until 19 Oct. 2018

Description	Measure	unit
Nominal Capacity of the Power plants	Thermal	64773
	Nuclear	1020
	Hydro	11951
	Renewable	628
	DG & CHP	1293
Total	79665	
*Increase of Nominal Capacity	Steam	
	Gas	383
	Combined Cycle	320
	Diesel	
	Renewable	88
	DG & CHP	144
Total	1005	
*Actual Capacity at Peak Load Time (11/07/2018 at 16:38)	Thermal	49142
	Hydro & Renewable	11466
Total	60608	
*Available Gen. at Peak Load Time (11/07/2018 at 16:38)	Thermal	44884
	Hydro & Renewable	3775
Total	48659	
*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)	57098
	Night(10/07/2018 at 21:37)	55175
*Gross Generation	Thermal	196529
	Hydro & Renewable	7106
	Total	203635
*Imported Energy	Change (%) =-28	1893
*Exported Energy	Change (%) =-34	3639

* 21 March.2018 - 19 Oct.2018

Reference : Iran Grid Management Co. (IGMC)

Fuel Consumption, 21 March 2018- 19 Oct. 2018

Description	Change (%)	Measure	unit
Natural Gas	7.0	48493	10 ⁶ m ³
Diesel	-22.0	1134	10 ⁶
Fuel Oil	-29.9	1182	Liter
Total	4.85	50809	

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

Date of Synchronization	Name	Type	Unit No.	Nominal Capacity
Synchronized Power Plants Units				
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	Golbarg(Makoo)	Gas	1,2	76
Total Synchronized Power Plants Units				1005
Forecasted Power Plants Units				
	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
Total Forecasted Power Plants Units				2469
Synchronized & Forcasted Power Plants Units				3474

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
	Total	52206	897	53103
	132 Kv	23504	61	23565
	63&66 Kv	48295	429	48724
Total	71799	490	72289	
Total	124005	1387	125392	
Capacity of Substations	400 Kv	64093	1760	65853
	230 Kv	82045	1231	83276
	Total	146138	2991	149129
	132 Kv	32251	448	32699
	63&66 Kv	72794	1073	73867
Total	105045	1521	106566	
Total	251183	4512	255695	
Power Plant Substations	89027	873	89900	
Total Substations	340210	5385	345595	

Lines & Substations Projects With More Than 85% Progress

Description	Sep. 2018	Unit
Length of Lines	400 Kv	409
	230 Kv	374
	Transmission Total	783
	132 Kv	680
	63&66 Kv	1861
Distribution Total	2541	
Total	3324	
Capacity of Substations	400 Kv	2545
	230 Kv	3480
	Transmission Total	6025
	132 Kv	635
	63&66 Kv	2685
Distribution Total	3320	
Total	9345	

Reference : Regional Electric Companies