

Daily System Generation Summary on Sunday

Sunday, September 11, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,548 MW
Hydro	2,321 MW
Distillate	0 MW
Total TNB	5,869 MW
Total IPP	13,311 MW
Total Co-Gen	0 MW
Total System	19,744 MW

Generation Mix

Type	MWh	Percentage
Gas	43,625	14.82 %
Hydro	9,454	3.21 %
Total TNB	53,079	18.04 %
ST-Coal	160,975	54.70 %
Gas	74,672	25.37 %
Distillate	4,716	1.60 %
Total IPP	240,363	81.67 %
Co-Gen	1,237	0.42 %
Total Co-Gen	1,237	0.42 %
Total Generation	294,679	100.13 %
PLTG	-361	-0.12 %
HVDC	738	0.25 %
Interconnection	377	0.13 %
Net Energy	294,302	100.00 %

Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	15,175 MW
TNB Generation	2,759 MW
IPP Generation	10,732 MW
Spinning Reserve	1,633 MW
Maximum Demand	13,551 MW
Net Energy	294,302 MWH
Load Factor	90.49 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	293
Hydro	318
Syncon	832
Thermal	141
Total	1,584

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	58
PGPS	45
SRDG	4
TJGS	205
Total TNB	312
CBPS	54
KLPP	97
NPRI	80
PGLA	110
PLPS	66
PTEK	8
SGRI	138
Total IPP	554
Total Gas	866
Total Gas Required	906

Alternate Fuel Usage

Station	(mmscfd)
KLPP	7
PLPS	9
SGRI	24
Total	39

Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	13518	13067	12572	12156	11899	11383	11361	10931	10357	10954	11639	12027	12226	12213	12408	12498	12526	12342	12110	12524	13537	13536	13266	13015

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Sunday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
SGRI	GT21	123	123	123	122	124	124	124	124	125	124	124	74	114	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		387	393	390	403	392	517	526	527	523	515	419	376	378	329	214	0	0	0	0	0	0	0	0	0	0
PCUF	CUFK	41	42	41	41	39	40	40	39	41	41	39	40	41	40	41	41	40	40	39	38	37	37	36	34	34
PCUF	CUFK	14	15	15	14	14	14	14	13	13	12	14	13	13	14	16	13	13	14	15	13	13	13	13	12	12
Total Co-Gen		55	57	56	55	53	54	54	53	54	54	51	54	54	53	55	57	53	53	53	54	51	51	48	48	47
Total Gen		13566	13311	13090	12865	12574	12434	12110	12022	11874	11628	11472	11464	11413	11280	10993	10476	10452	10752	10963	11319	11648	11836	12127	12285	12284
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TIE-HVDC		31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
TIE-PLTC		18	-86	-8	-81	-29	-63	-76	-48	-56	-4	58	-9	21	-3	32	-55	64	23	-22	-35	-22	-34	69	59	28
Interconnection		48	-55	23	-51	2	-32	-46	-17	-25	26	89	22	52	28	62	-25	95	54	9	-4	9	-3	100	89	58
System Total		13518	13366	13067	12916	12572	12466	12156	12039	11899	11602	11383	11442	11361	11252	10931	10501	10357	10698	10954	11223	11639	11839	12027	12196	12226
SRev ST-Coal		176	173	124	101	138	149	156	110	124	-36	-164	-176	-174	-177	-171	-166	134	118	138	127	127	136	145	138	140
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		275	353	335	408	423	222	211	145	159	438	627	610	586	671	817	1565	1550	958	1107	1026	490	416	181	173	197
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Distillate		39	33	36	23	34	62	53	52	56	64	160	60	58	107	222	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		-35	-37	-36	-35	-33	-34	-34	-33	-34	-34	-31	-34	-34	-33	-35	-37	-33	-33	-34	-31	-31	-28	-28	-27	-28
Syncon		874	958	958	1043	892	766	766	766	766	766	766	766	766	766	766	833	833	682	682	682	682	446	446	446	748
Hydro		293	270	417	297	481	174	326	270	387	381	377	374	369	370	242	230	114	71	357	194	378	382	550	532	506
S.Reserve Total		1622	1850	1934	1937	2035	1564	1803	1633	1783	2029	2185	2058	2021	2154	2341	2708	2823	2172	2476	2220	1871	1685	1394	1361	1362
		1425	1438	1622	1548	1451	1497	1356	1673	1660	1874	2065	2132	2203	2005	2013	1609	1533	1660	1840	2062	1926	1762	1698		