

Daily System Generation Summary on Sunday

Sunday, February 11, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,794 MW
Hydro	2,398 MW
Distillate	0 MW
Total TNB	5,192 MW
Total IPP	15,218 MW
Total Co-Gen	80 MW
Total System	21,062 MW

Generation Mix

Type	MWh	Percentage
Gas	38,117	12.31 %
Hydro	8,429	2.72 %
Total TNB	46,546	15.03 %
ST-Coal	175,007	56.53 %
Gas	85,525	27.62 %
Total IPP	260,532	84.15 %
Co-Gen	1,635	0.53 %
Total Co-Gen	1,635	0.53 %
Total Generation	308,713	99.72 %
PLTG	-178	-0.06 %
HVDC	-704	-0.23 %
Interconnection	-882	-0.28 %
Net Energy	309,595	100.00 %

Maximum Demand Record

Date: 10/23/2017	17,790 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	21:00:00 Hour
Total Set On Bus	16,481 MW
TNB Generation	2,483 MW
IPP Generation	12,170 MW
Spinning Reserve	1,764 MW
Maximum Demand	14,727 MWH
Net Energy	309,595 MWH
Load Factor	87.59 %

Fuel Cost

Total Cost:	56,176,038.29 RM
Cost per Unit	18.71 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	286
Hydro	332
Syncon	902
Thermal	144
Total	1,664

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	28

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	13735	13077	12699	12259	11910	11727	11704	11498	10952	11604	12183	12684	12828	12833	13149	13439	13444	13410	13046	13178	14597	14727	14501	14201

Gas Usage

Station	(mmscfd)
GLGR	52
TJGS	216
Total TNB	268
CBPS	54
KLPP	88
NPRI	78
PGLA	107
PLPS	77
PTEK	3
SGB3	44
SKSP	52
YPKA	64
Total IPP	566
Total Gas	834

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 834

Prepared By: Mohd Yusof bin Ismail

Checked By: Abu Bakar bin K.K. Ibrahim

Printed on: Monday, February 12, 2018 7:56:16 AM

(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
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total 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
BSIA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSIA	HY02	10	10	10	10	10	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY02	27	27	27	27	28	28	28	28	28	27	27	27	27	27	27	28	28	27	27	27	27	27	27	
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
KNYR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	HY04	61	59	59	62	100	61	72	60	59	65	63	60	62	68	62	62	60	60	60	60	60	60	60	
LPIA	HY01	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
LPIA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	7	7	8	8	7	
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY03	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	19	19	19	19	19	19	19	19	19	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY02	-1	-1	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY04	34	36	33	33	33	33	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
UPIA	HY02	5	5	5	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Hydro		224	205	236	259	276	233	245	233	231	238	236	232	200	207	220	201	197	198	300	198	199	199	199	
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCUF	CUFG	39	40	41	41	42	41	40	41	40	42	40	41	38	39	40	39	39	39	39	37	36	35	35	
PCUF	CUFK	40	40	33	31	34	31	33	33	34	32	34	32	33	32	31	32	34	33	32	33	33	33	33	
Total Co-Gen		79	80	74	72	76	72	73	74	74	74	73	70	73	74	71	72	71	68	68	69	68	67	66	
Total Gen		13709	13371	13015	12875	12629	12421	12216	12018	11831	11716	11692	11615	11693	11683	11523	11135	10921	11210	11613	11723	12180	12514	12615	
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	
TIE-HVDC		-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		2	-5	-33	-38	-42	-19	-14	-9	-50	-2	-6	23	18	0	54	-4	-2	-18	39	-6	27	16	-39	
Interconnection		-26	-33	-62	-67	-70	-48	-43	-39	-79	-31	-35	-6	-11	-28	25	-33	-31	-47	9	-36	-3	-13	-69	
System Total		13735	13404	13077	12942	12699	12469	12259	12057	11910	11747	11727	11621	11704	11711	11498	11168	10952	11257	11604	11759	12183	12527	12684	

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																											
SRev ST-Coal		169	213	251	170	288	187	266	260	202	149	141	321	245	277	277	162	162	164	161	149	151	52	46	43	54	63	249	206	70	71	85	110	111	120	121	118	124	126	119	109	289	237	196	212	273	252	256	262			
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-2	-2	-2	-3	49	0	0
SRev CCGT-Gas		567	453	590	548	569	646	984	1052	1214	1388	1420	1421	1322	1317	1447	1866	2077	1786	1395	1195	738	502	424	269	275	290	306	416	440	368	247	178	366	245	257	462	876	1221	1112	380	161	191	193	221	241	219	344	244			
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	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 Co-Gen		1	0	6	8	4	8	7	6	6	6	6	7	10	7	6	9	8	9	12	12	11	12	13	14	14	16	16	17	19	16	17	16	15	19	18	14	17	15	15	14	16	16	16	14	14	15	15	16	16		
Syncon		1203	1354	1266	1115	1266	1266	1266	1266	1266	1354	1354	1203	1354	1354	1354	1354	1203	1203	1077	926	775	775	775	775	775	775	775	775	901	901	901	901	901	1203	1203	1224	1224	1224	972	1102	1102	1102	1102	1102	728	1102					
Hydro		270	138	195	323	155	191	179	191	193	186	188	192	136	129	267	155	139	138	136	139	138	139	272	396	396	392	412	396	395	321	395	436	396	398	477	219	224	226	223	135	164	243	258	220	234	247	406	225			
S.Reserve Total		2210	2158	2288	2164	2282	2338	2782	2775	2881	2995	3021	3297	3067	3084	3200	3526	3740	3451	3058	2698	2241	1782	1681	1497	1514	1536	1758	1810	1699	1551	1643	1641	1789	1683	1774	2016	2444	2812	2693	1862	1602	1787	1764	1767	1861	1884	1749	1849			