

Daily System Generation Summary on Saturday

Saturday, January 27, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,441 MW
Hydro	2,184 MW
Distillate	0 MW
Total TNB	4,625 MW
Total IPP	15,758 MW
Total Co-Gen	0 MW
Total System	20,947 MW

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:	20:00:00 Hour
Total Set On Bus	16,216 MW
TNB Generation	2,483 MW
IPP Generation	12,502 MW
Spinning Reserve	1,165 MW
Maximum Demand	15,016 MW
Net Energy	319,594 MWH
Load Factor	88.68 %

Gas Usage

Station	(mmscfd)
GLGR	57
SRDG	3
TJGS	160
Total TNB	220
CBPS	51
KLPP	94
NPRI	159
PGLA	111
PLPS	92
PTEK	6
SGB3	1
SKSP	33
YPKA	50
Total IPP	597
Total Gas	817

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	30,911	9.67 %
Hydro	11,333	3.55 %
Total TNB	42,244	13.22 %
ST-Coal	182,734	57.18 %
Gas	92,432	28.92 %
Total IPP	275,166	86.10 %
Co-Gen	1,721	0.54 %
Total Co-Gen	1,721	0.54 %
Total Generation	319,131	99.86 %
PLTG	233	0.07 %
HVDC	-696	-0.22 %
Interconnection	-463	-0.14 %
Net Energy	319,594	100.00 %

Fuel Cost

Total Cost:	57,197,431.99 RM
Cost per Unit	18.58 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	199
Hydro	416
Syncon	670
Thermal	216
Total	1,501

Time	Weather	Temperature
Afternoon	Sunny	29
Morning	Cloudy	24

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	13272	12574	12213	11990	11639	11593	11678	11737	11735	12844	13660	14121	14013	13732	14099	14165	14239	14122	13765	13954	15016	14763	14457	14024

Prepared By: Nur Atiqah Mohd Roszeli

Checked By: -Select Name-

Printed on: Sunday, January 28, 2018 1:25:50 AM
 (Gurcharan Singh)
 Pengurus Besar Kanan
 Jabatan Sistem Operasi

Daily MW Generation on Saturday

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				
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123	123	122	123	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	104	305	342	340	341	141	0	0
BSIA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	22	22	11	11	11	11	11	11	11	11	22	22
BSIA	HY02	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	22	22	22	11	11	11	11	11	11	23	22	12	12
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23	22	10	10	0	0	0	0	11	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	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	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	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	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	-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	-1	-1	-1	-1	-1
KNRG	HY01	36	36	36	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	36	36	36	36	36
KNRG	HY02	37	37	37	39	39	39	39	39	39	39	39	39	39	39	39	37	37	37	37	37	37	37	37	37	37	37	37	37
KNRG	HY03	37	37	37	0	0	0	0	0	0	0	0	0	0	0	0	37	37	37	37	37	21	21	22	37	37	37	21	22
KNYR	HY01	59	61	60	72	61	60	68	76	63	72	63	58	60	72	61	60	59	60	60	67	89	104	102	62	59	64	62	100
KNYR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
LPIA	HY01	23	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
LPIA	HY02	16	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
MNOR	HY01	6	6	6	6	6	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5
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	-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	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	19	20	19	23	23	23	23	23	23	23	23	31	22	22
SIHY	HY01	31	31	31	31	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	50
SIHY	HY02	31	31	31	31	31	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	0	0	0	0	0
SYPS	HY01	25	25	25	25	25	0	0	0	0	0	0	0	0	0	10	17	17	17	17	17	17	17	17	17	17	17	25	25
SYPS	HY02	25	25	25	25	25	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	25	25
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	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	0	0	0	0	0
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	58	33	0	0	0	-1	-1	-1	36	82	81	82
TMGR	HY02	36	36	36	36	36	36	36	36	36	35	36	36	36	34	34	34	34	34	65	64	34	34	34	37	86	86	87	86
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	60	59	31	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY04	-1	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
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	184	35	-1	-1	-1	-1	-1	92	95	95	87	85	87
UJLI	HY02	-1	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
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	5	5	5	5	5
UPIA	HY02	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
Total Hydro		483	368	367	308	297	184	210	220	185	194	185	179	182	194	183	180	179	200	258	271	321	545	496	575	526	385	272	310
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	0	0	0	0	0
PCUF	CUFQ	34	35	37	37	36	37	36	36	35	34	35	37	38	36	36	35	35	36	36	36	34	34	33	33	33	33	30	31
PCUF	CUFK	36	37	37	37	37	37	38	38	39	39	41	37	40	39	38	39	39	40	39	40	41	40	39	39	38	38	36	37
Total Co-Gen		70	72	74	74	73	74	74	74	74	73	76	74	78	75	74	74	75	76	75	76	77	74	73	72	71	71	71	66
Total Gen		13221	12815	12538	12285	12233	12009	11946	11793	11630	11532	11516	11504	11622	11772	11725	11526	11703	12194	12809	13188	13598	13846	14062	14205	13957	13892	13664	13863
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	0	0	0
TIE-HVDC		-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-31	-29
TIE-PLTG		-21	21	-8	-61	49	9	-15	-18	20	-30	-48	22	-27	72	17	-15	-3	42	-6	-6	-33	-30	-29	17	-27	28	-39	-4
Interconnection		-51	-9	-36	-89	20	-20	-44	-47	-9	-59	-77	-6	-56	42	-12	-43	-32	13	-35	-36	-62	-58	-59	-13	-56	-1	-68	-33

Daily MW Generation on Saturday

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																										
System Total		13272	12824	12574	12374	12213	12029	11990	11840	11639	11591	11593	11510	11678	11730	11737	11569	11735	12181	12844	13224	13660	13984	14121	14218	14013	13893	13732	13896	14099	14139	14165	14288	14239	14244	14122	13966	13765	13740	13954	14728	15016	14879	14763	14684	14457	14218	14024	13828		
SRev ST-Coal		310	301	270	193	290	281	299	277	311	271	287	289	255	282	290	267	270	291	261	291	180	229	248	182	169	156	191	272	298	272	273	263	304	221	268	320	338	341	225	186	177	146	152	137	131	138	185	209		
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	0	0	0	0	0	0
SRev CCGT-Gas		705	759	992	995	696	813	885	1069	1163	1317	1309	1304	1174	1010	1088	1247	1125	640	539	209	137	103	119	139	312	199	276	133	97	164	132	117	225	190	243	239	354	333	344	130	138	166	231	175	269	332	358	221		
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		-13	-15	-17	-17	-16	-17	-17	-17	-17	-16	-19	-17	-21	-18	-17	-17	-18	-19	-19	-18	-19	-18	-18	-18	-19	-20	-17	-16	-15	-14	-14	-14	-9	-10	-10	-10	-12	-11	-10	-10	-9	-8	-9	-11	-10	-9	-12	-11		
Syncon		1435	1164	1164	1164	1164	1013	1013	1164	1164	1164	1164	1164	1164	1013	1013	1013	862	524	423	439	439	540	928	928	626	524	675	675	590	590	590	993	993	978	978	489	277	640	640	827	827	827	1013	927						
Hydro		164	147	148	129	140	103	228	218	102	93	102	108	105	93	104	107	108	238	280	267	368	482	632	537	586	626	267	229	469	536	369	360	457	440	453	129	158	214	197	388	548	304	364	338	317	328	173	233		
S.Reserve Total		2701	2456	2657	2564	2374	2444	2508	2660	2823	2929	2943	2948	2777	2631	2729	2868	2649	2163	2074	1762	1528	1320	1404	1279	1487	1501	1645	1546	1475	1482	1435	1401	1567	1431	1544	1671	1831	1855	1734	1387	1165	1245	1377	1464	1609	1616	1717	1579		