

Daily System Generation Summary on Wednesday

Wednesday, July 20, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,748 MW
Hydro	1,946 MW
Distillate	0 MW
Total TNB	5,694 MW
Total IPP	14,266 MW
Total Co-Gen	54 MW
Total System	20,578 MW

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:	14:30:00 Hour
Total Set On Bus	17,587 MW
TNB Generation	3,233 MW
IPP Generation	12,902 MW
Spinning Reserve	1,408 MW
Maximum Demand	16,202 MW
Net Energy	341,466 MWH
Load Factor	87.81 %

Gas Usage

Station	(mmscfd)
CBPS	57
GLGR	49
PAKA	0
PGPS	48
SRDG	18
TJGS	213
Total TNB	386

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	51,588	15.11 %
Hydro	12,139	3.55 %
Total TNB	63,727	18.66 %
ST-Coal	161,497	47.30 %
Gas	115,341	33.78 %
Total IPP	276,838	81.07 %
Co-Gen	1,082	0.32 %
Total Co-Gen	1,082	0.32 %
Total Generation	341,647	100.05 %
PLTG	-539	-0.16 %
EGAT	-5	0.00 %
HVDC	725	0.21 %
Interconnection	181	0.05 %
Net Energy	341,466	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	572
Hydro	277
Syncon	574
Thermal	112
Total	1,535

CBPS	54
KLPP	96
MPSS	50
NPRI	149
PGLA	106
PKLG	7
PLPS	90
PTEK	33
SGB3	57
SGRI	183
SKSP	51
Total IPP	877

Total Gas 1,263

Total Gas Required 1,263

Time	Weather	Temperature
Afternoon	Hot	32
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	13876	13240	12619	12275	12032	11832	12046	12108	12413	14220	15158	15831	15872	15528	16049	16158	16103	15574	14653	14431	15302	15230	14569	14079

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Checked By: -Select Name-

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Wednesday

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																										
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	37	32	60	58	34	33	63	58	33	32	31	33	24	-1	-1	-1	-1	58	57	57	59	34	32	-1	-1										
TMGR	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
TMGR	HY04	30	32	31	33	33	32	33	33	33	33	33	33	28	28	32	35	36	36	61	60	36	34	63	59	34	34	34	34	33	39	31	31	33	33	61	63	63	64	35	34	34	32	32							
UJLI	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	179	183	161	102	95	95	95	0	0	0	0	0	0	194	195	195	195	0	179	0	0	0	0	0	0	0	0	0	0						
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4						
Total Hydro		148	155	152	180	395	392	392	417	393	391	394	397	394	416	395	395	398	380	379	389	288	623	801	857	775	591	569	743	787	827	799	796	801	667	251	385	389	388	406	908	1102	947	825	611	340	244	161	162		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCUF	CUPG	28	28	30	29	29	29	28	30	30	29	31	31	30	29	31	30	28	29	27	27	28	27	26	26	26	27	27	26	25	27	27	28	25	25	26	29	30	30	30	30	32	31	32	29	31	30	29	32		
PCUF	CUPK	18	16	17	17	17	16	17	16	16	17	16	16	16	17	17	18	16	16	16	17	17	17	17	16	16	16	15	15	17	16	15	15	16	16	16	16	16	18	18	17	17	15	17	18	16	19				
Total Co-Gen		46	44	47	46	46	45	46	46	46	47	47	46	46	48	48	44	45	43	44	45	44	43	43	42	43	43	41	40	44	43	43	40	40	42	45	46	46	46	48	50	48	49	44	48	48	45	51			
Total Gen		13823	13516	13228	12879	12540	12447	12289	12173	12046	11907	11889	12010	12115	12292	12102	11948	12434	13532	14232	14786	15106	15482	15832	16017	15870	15535	15524	15810	16031	16179	16168	16107	16122	15942	15593	15117	14680	14332	14439	15044	15210	15284	15251	15038	14604	14492	14098	13752		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TIE-HVDC		31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	30	30	30	31	31	30	30	31	31	31	29	29	31	31	30	30	30	30	30	30	31	31	31	31	30	30	0	0		
TIE-PLTG		-84	6	-42	-85	-9	-25	-16	-29	-16	13	28	-9	40	-18	-36	-45	-9	-8	-18	-61	-83	-54	-29	-47	-32	-8	-35	-2	-48	-53	-21	-36	-12	-50	-10	41	-4	-11	-22	-22	-2	-10	-16	4	-34	-11	-27			
Interconnection		-53	37	-12	-55	21	5	14	1	14	43	57	21	69	12	-6	-15	21	22	12	-31	-52	-23	1	-17	-2	22	-4	28	-18	-23	10	-5	19	-19	19	70	27	20	8	8	8	28	21	15	35	-4	19	3		
System Total		13876	13479	13240	12925	12619	12442	12275	12172	12032	11864	11832	11989	12046	12280	12108	11963	12413	13510	14220	14817	15158	15505	15831	16034	15872	15513	15528	15782	16049	16202	16158	16112	16103	15961	15574	15047	14653	14312	14431	15036	15202	15256	15230	15023	14569	14496	14079	13749		
SRev ST-Coal		132	134	145	147	145	139	141	228	215	213	252	204	204	184	184	181	191	139	90	90	98	102	104	115	101	109	112	125	114	168	83	118	112	111	113	114	122	121	119	122	113	122	132	126	124	112	119	129		
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		742	619	828	1155	1602	1642	1798	1853	1969	2108	2091	2021	1912	1777	1948	2135	1773	1096	862	403	411	563	450	420	434	532	512	468	402	402	421	485	485	493	468	662	609	907	820	716	655	515	417	417	586	614	711	637		
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		8	10	7	8	8	9	9	8	8	8	7	7	8	8	6	6	10	9	11	10	9	10	11	11	12	11	11	13	14	10	11	11	14	14	12	9	8	8	8	6	4	6	5	10	6	6	9	3		
Syncon		1080	1080	1080	828	878	878	878	727	878	878	878	878	878	727	878	878	878	878	878	878	878	878	504	655	655	655	655	655	655	655	554	554	554	866	954	954	954	954	302	302	151	302	302	614	828	1080	1080			
Hydro		152	145	148	372	107	110	110	236	109	111	108	105	108	237	107	107	104	122	123	113	214	369	190	134	216	400	422	248	125	337	214	217	212	321	138	111	107	108	90	492	518	629	515	404	276	308	139	138		
S.Reserve Total		214	1988	2208	2510	2740	2778	2936	3052	3179	3318	3336	3215	3110	2933	3123	3307	2856	2244	1964	1613	1830	1678	1586	1413	1560	1929	1940	1654	1458	1408	1368	1480	1465	1620	1682	1983	1858	2098	1991	1638	1592	1423	1371	1259	1606	1868	2058	1987		