

Daily System Generation Summary on Thursday

Thursday, March 29, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,427 MW
Distillate	0 MW
Total TNB	<u>5,229 MW</u>
Total IPP	<u>15,871 MW</u>
Total Co-Gen	<u>0 MW</u>
Total System	<u>21,386 MW</u>

Generation Mix

Type	MWh	Percentage
Gas	40,634	11.10 %
Hydro	10,908	2.98 %
Total TNB	51,542	14.08 %
ST-Coal	201,456	55.05 %
Gas	111,977	30.60 %
Total IPP	313,433	85.65 %
Co-Gen	1,343	0.37 %
Total Co-Gen	1,343	0.37 %
Total Generation	366,318	100.10 %
PLTG	-276	-0.08 %
HVDC	640	0.17 %
Interconnection	364	0.10 %
Net Energy	365,954	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:	15:30:00 Hour
Total Set On Bus	18,968 MW
TNB Generation	2,991 MW
IPP Generation	14,328 MW
Spinning Reserve	1,597 MW
Maximum Demand	17,340 MW
Net Energy	365,954 MWH
Load Factor	87.94 %

Fuel Cost

Total Cost:	65,109,540.01 RM
Cost per Unit	18.94 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	415
Hydro	435
Syncon	818
Thermal	123
Total	1,791

Time	Weather	Temperature
Afternoon	Rainy	29
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	52
PGPS	33
TJGS	207
Total TNB	291
CBPS	51
KLPP	94
MPSS	1
NPRI	156
PGLA	107
PTEK	9
SGB3	34
SGRI	170
SKSP	50
YPKA	79
Total IPP	751
Total Gas	1,042

Total Gas Required 1,042

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	14732	14056	13520	13210	12846	12595	12856	12871	13204	15002	15978	16649	16527	16311	16919	17216	17197	16863	15880	15554	16685	16613	16267	15736

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, April 02, 2018 9:20:58 AM
 (Gurcharan Singh)
 Pengurus Besar Kanan
 Jabatan Sistem Operasi

Daily MW Generation on Thursday

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																											
Total Hydro		179	185	186	186	184	184	186	183	186	183	185	186	209	188	187	187	183	183	210	187	192	273	521	671	684	629	733	1004	918	959	978	1041	773	871	837	309	241	249	281	668	730	711	713	710	517	517	610	397			
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	0	0
PCUF	CUFG	33	32	32	32	33	32	33	32	31	31	31	32	31	31	32	29	30	29	29	30	28	28	27	28	28	27	27	27	26	28	28	27	29	28	29	29	30	30	31	31	29	30	29	31	30	30	30	30	30		
PCUF	CUFK	25	25	28	27	27	26	28	27	26	27	26	26	27	27	28	26	25	26	26	27	24	26	26	27	27	25	25	25	24	24	23	24	23	25	27	27	27	26	27	25	27	28	26	26	26	26	27	27	27	27	
Total Co-Gen		58	57	60	59	60	58	61	59	57	58	57	58	57	59	59	57	57	55	56	56	53	56	54	55	54	53	53	52	52	50	52	51	51	52	53	56	56	57	56	58	56	56	58	55	57	56	57	56	57		
Total Gen		14779	14362	14116	13802	13543	13213	13182	12911	12837	12735	12629	12625	12870	13055	12946	12758	13244	14340	15017	15597	15965	16424	16672	16811	16547	16444	16297	16692	16976	17274	17228	17371	17185	17231	16881	16439	15970	15494	15579	16575	16740	16739	16631	16515	16238	15908	15685	15266			
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	0	0	0
TIE-HVDC		30	30	30	30	30	31	31	30	30	31	31	30	30	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	32	29	32	29	29	29	29	32	30	31	0	0	0	0	0	0	0	0	0	0	0
TIE-PLTG		17	34	29	-54	-8	-37	-59	-44	-39	-14	3	-15	-17	-6	45	-8	9	13	-15	3	-43	-16	-8	0	-11	-15	-44	1	26	-35	-19	0	-43	-7	-11	36	61	7	-5	-2	25	-23	18	-72	-29	-120	-51	-9			
Interconnection		47	64	60	-24	23	-6	-28	-14	-9	16	34	15	14	24	75	23	40	44	15	33	-13	14	23	31	20	15	-14	32	56	-5	12	31	-12	25	18	68	90	37	25	29	55	9	18	-72	-29	-120	-51	-9			
System Total		14732	14298	14056	13826	13520	13219	13210	12925	12846	12719	12595	12610	12856	13031	12871	12735	13204	14296	15002	15564	15978	16410	16649	16780	16527	16429	16311	16660	16920	17279	17216	17340	17197	17206	16863	16371	15880	15457	15554	16546	16685	16730	16613	16587	16267	16028	15736	15275			
SRev ST-Coal		73	129	120	13	89	-54	89	89	81	126	91	67	55	47	55	51	58	217	73	104	137	132	178	136	129	116	134	152	131	138	127	135	139	138	137	126	134	169	122	117	136	123	130	64	62	58	64	166			
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	0
SRev CCGT-Gas		1018	1216	1154	1399	1661	1964	1859	2125	2138	2243	2383	2333	2122	1926	2026	2218	1872	1327	1082	869	616	371	328	304	344	404	636	598	475	354	430	327	239	227	546	258	654	941	916	351	246	254	227	238	331	351	584	679			
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	0
SRev Co-Gen		-2	-1	-4	-3	-4	-2	-5	-3	-1	-2	-1	-2	-1	-3	-3	-3	-1	-1	1	0	0	3	0	2	1	2	3	3	4	4	6	4	5	5	4	3	0	0	-1	0	-2	0	0	-2	1	-1	0	-1			
Syncon		1199	1199	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1199	1350	1350	1350	1350	1350	1199	1350	1350	963	862	626	439	625	524	439	626	626	1013	711	711	711	711	897	897	897	897	711	711	711	711	711	812	812	626	796			
Hydro		148	142	140	140	142	142	140	143	140	143	141	140	268	138	139	139	143	143	267	139	134	436	464	550	565	461	458	614	537	396	329	418	553	405	439	470	538	530	548	472	460	479	477	480	572	572	665	558			
S Reserve Total		2436	2685	2760	2899	3238	3400	3433	3704	3708	3860	3964	3888	3643	3458	3567	3755	3422	3036	2622	2462	2237	1905	1832	1618	1478	1608	1755	1894	1922	1604	1905	1597	1650	1489	1839	1754	2223	2537	2482	1651	1551	1567	1545	1491	1778	1792	1939	2198			