

Daily System Generation Summary on Monday

Monday, March 12, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,279 MW
Distillate	0 MW
Total TNB	5,081 MW
Total IPP	15,169 MW
Total Co-Gen	54 MW
Total System	20,590 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:	16:00:00 Hour
Total Set On Bus	18,408 MW
TNB Generation	3,619 MW
IPP Generation	13,569 MW
Spinning Reserve	1,166 MW
Maximum Demand	17,272 MW
Net Energy	358,668 MWH
Load Factor	86.52 %

Gas Usage

Station	(mmscfd)
CBPS	37
GLGR	52
PGPS	40
SRDG	4
TJGS	220
Total TNB	353
KLPP	95
MPSS	48
NPRI	153
PGLA	112
PTEK	10
SGRI	167
SKSP	54
YPKA	78
Total IPP	717
Total Gas	1,070

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	46,839	13.06 %
Hydro	14,822	4.13 %
Total TNB	61,661	17.19 %
ST-Coal	190,798	53.20 %
Gas	104,088	29.02 %
Total IPP	294,886	82.22 %
Co-Gen	1,373	0.38 %
Total Co-Gen	1,373	0.38 %
Total Generation	357,920	99.79 %
PLTG	-49	-0.01 %
HVDC	-699	-0.19 %
Interconnection	-748	-0.21 %
Net Energy	358,668	100.00 %

Fuel Cost

Total Cost:	64,793,916.34 RM
Cost per Unit	18.88 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	382
Hydro	328
Syncon	700
Thermal	105
Total	1,515

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	26

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	13893	13352	12711	12357	12074	11913	12276	12291	12836	14798	15910	16583	16538	16189	16797	17181	17272	16960	15802	15409	16602	16530	16031	15511

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Monday

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																											
ULI1	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	93	-1	-1	-1	-1	-1	-1	-1								
UPIA	HY01	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		493	322	221	179	181	184	184	183	185	185	188	205	206	191	187	188	590	939	910	1236	1317	1000	1010	731	691	735	967	1203	1175	1173	1263	1305	1180	851	518	492	537	823	1023	990	950	651	414	286	285	227					
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			
PCUF	CUFG	30	30	31	30	30	29	29	29	29	30	29	30	30	29	30	29	31	30	30	31	30	31	30	31	30	30	29	29	28	28	27	28	27	27	28	28	29	28	28	28	29	29	29	29	29	28	28	27	28	28	
PCUF	CUFK	28	30	28	28	30	30	28	30	30	28	29	28	29	27	30	29	30	29	28	29	28	27	29	26	27	27	26	27	26	26	27	28	27	27	26	27	29	27	29	29	29	29	29	30	29	28	29	29	29		
Total Co-Gen		58	60	59	58	60	59	57	59	59	57	59	59	59	59	59	60	58	59	59	57	60	56	57	56	55	55	54	54	54	56	54	54	54	55	58	55	57	57	58	58	58	58	58	57	55	57	57	57			
Total Gen		13923	13608	13318	12976	12672	12558	12309	12187	12038	12008	11850	11901	12207	12444	12292	12249	12830	13962	14665	15438	15804	16287	16563	16651	16515	16220	16171	16434	16762	17102	17101	17094	17342	17210	16959	16415	15807	15386	15461	16319	16593	16659	16545	16353	16027	15737	15512	15182			
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	
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29			
TIE-PLTG		58	-11	-6	0	-10	-17	-19	3	-8	-30	-33	12	-39	2	30	52	24	-93	-104	40	-76	-48	9	-6	7	14	11	-32	-6	-23	-51	-8	-2	16	28	16	35	-2	82	-30	18	-28	44	35	25	-15	30	5			
Interconnection		30	-39	-34	-29	-39	-46	-48	-25	-36	-59	-63	-18	-69	-27	1	22	-6	-123	-133	11	-106	-77	-20	-36	-23	-15	-18	-60	-35	-52	-80	-36	-30	-13	-1	-14	5	-32	52	-58	-9	-57	15	5	-4	-44	1	-24			
System Total		13893	13647	13352	13005	12711	12604	12357	12212	12074	12067	11913	11919	12276	12471	12291	12227	12836	14085	14798	15427	15910	16364	16583	16687	16538	16235	16189	16494	16797	17154	17181	17130	17272	17223	16960	16429	15802	15418	15409	16377	16602	16716	16530	16348	16031	15781	15511	15266			
SRev ST-Coal		83	119	280	102	67	74	55	64	70	73	62	70	65	36	47	54	50	103	87	128	100	95	116	103	102	91	100	106	107	111	107	106	100	96	123	119	100	95	111	105	104	109	120	89	100	119	38	138			
SRev CCGT-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		611	491	518	676	994	1121	1387	1501	1646	1669	1850	1814	1525	1362	1576	1623	1056	278	454	531	346	478	380	494	478	477	376	292	279	303	296	271	287	348	346	643	1040	996	430	358	254	317	241	318	459	706	878				
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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		1013	1114	1265	1351	1351	1351	1351	1351	1351	1351	1351	1351	1200	1200	1351	1350	1350	1098	846	997	762	302	640	640	640	615	766	766	464	615	615	464	464	464	741	978	1063	1064	1064	737	777	777	862	1013	1250	1250	1351				
Hydro		402	315	190	146	144	141	141	142	140	142	140	140	137	271	270	134	138	137	212	239	117	226	419	398	388	442	507	412	305	371	248	250	311	353	328	605	401	342	483	297	475	409	449	413	324	177	178	135			
S Reserve Total		2109	2039	2253	2275	2556	2687	2934	3058	3207	3235	3403	3375	3078	2869	3093	3162	2594	1868	1851	1744	1560	1561	1386	1525	1662	1731	1779	1724	1520	1306	1307	1316	1166	1282	1383	1511	2122	2540	2654	1896	1674	1549	1663	1605	1755	2005	2172	2502			