

Daily System Generation Summary on Thursday

Thursday, October 18, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,527 MW
Hydro	2,055 MW
Distillate	0 MW
Total TNB	4,582 MW
Total IPP	15,053 MW
Total Co-Gen	0 MW
Total System	20,207 MW

Generation Mix

Type	MWh	Percentage
Gas	41,261	11.70 %
Hydro	17,979	5.10 %
Total TNB	59,240	16.79 %
ST-Coal	174,291	49.40 %
Gas	116,386	32.99 %
Total IPP	290,677	82.39 %
Co-Gen	1,277	0.36 %
Total Co-Gen	1,277	0.36 %
Total Generation	351,194	99.54 %
PLTG	-905	-0.26 %
HVDC	-703	-0.20 %
Interconnection	-1,608	-0.46 %
Net Energy	352,802	100.00 %

Maximum Demand Record

Date: 8/15/2018	18,338 MW
Date: 8/15/2018	388,524 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:00:00 Hour
Total Set On Bus	17,816 MW
TNB Generation	3,440 MW
IPP Generation	12,878 MW
Spinning Reserve	1,445 MW
Maximum Demand	16,463 MW
Net Energy	352,802 MWH
Load Factor	89.29 %

Fuel Cost

Total Cost:	68,620,791.85 RM
Cost per Unit	20.59 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	556
Hydro	503
Syncon	496
Thermal	103
Total	1,658

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	36
GLGR	48
PAKA	0
SRDG	9
TJGS	210
Total TNB	303

CBPS	54
KLPP	95
MPSS	45
NPRI	159
PDPS	5
PGLA	96
PLPS	88
PTEK	18
SGB3	83
SKSP	46
YPKA	75
Total IPP	762

Total Gas	1,065
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Total Gas Required	1,065
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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	14273	13559	13163	12870	12545	12490	12812	12767	13231	14896	15773	16213	16081	15689	16131	16463	16299	16011	15107	15521	15828	15524	14985	14256

Prepared By: -Select Name-

Checked By: -Select Name-

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(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Thursday

[illegible]

Daily MW Generation on Thursday

[illegible]

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																									
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																									
TMGR	HY04	30	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33																									
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	4	89	85	83	85	-1	-1	-1	-1																									
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	121	115	86	84	87	87	-1	-1	-1																									
UPIA	HY01	6	6	6	6	6	5	5	5	5	5	5	5	5	5	4	4	4	5	5	5	5	5	5	5																									
UPIA	HY02	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6																									
Total Hydro		468	505	483	480	478	484	482	482	500	482	330	241	262	249	245	242	247	414	350	347	358	358	642	644	450	446	422	423	1021	1085	1295	1257	1246	1256	1212	1095	1095	1092	1303	1425	1322	1278	1273	1183	1193	1189	1179	1181	
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		
PCUF	CUFG	36	34	35	35	36	35	35	34	35	33	35	35	35	34	31	20	27	28	35	35	34	33	32	31	32	31	31	30	30	29	30	30	31	31	32	32	34	34	34	35	33	33	35	33	31	31			
PCUF	CUFK	23	22	24	23	24	23	24	23	22	21	24	24	23	22	23	25	23	24	26	24	24	23	22	25	23	23	22	24	23	23	24	23	24	24	23	24	24	15	3	2	3	5	3	5	3	5			
Total Co-Gen		59	56	59	58	60	58	59	57	57	54	59	59	58	56	54	45	50	52	61	59	58	56	54	56	55	54	53	55	53	53	53	53	54	54	54	56	56	57	57	58	58	50	36	35	38	38	34	36	
Total Gen		14211	13754	13462	13324	13086	12939	12779	12663	12483	12439	12395	12470	12724	12994	12728	12757	13154	14136	14794	15330	15651	16022	16152	16289	16006	15698	15628	15798	16074	16309	16371	16334	16233	16250	15953	15586	15096	14989	15478	15869	15753	15702	15487	15256	14914	14588	14205	13839	
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		
TIE-HVDC		-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-29	-29	-31	-31	-30	-30	-29	-29	-29	-29	-29	-29		
TIE-PLTG		-30	-55	-65	-41	-43	-65	-57	-44	-30	-34	-61	-17	-55	-28	-5	7	-44	-27	-69	-77	-89	-67	-29	-41	-42	-30	-28	-21	-24	-90	-60	-43	-32	-44	-24	25	21	-27	-9	-53	-41	-48	-3	-2	-37	-77	-18	-38	
Interconnection		-59	-84	-94	-71	-73	-95	-87	-73	-58	-64	-91	-46	-84	-58	-35	-22	-73	-57	-98	-106	-118	-96	-58	-71	-72	-59	-57	-50	-53	-119	-89	-72	-62	-74	-54	-4	-7	-56	-39	-83	-71	-77	-33	-32	-67	-106	-47	-67	
System Total		14273	13841	13559	13398	13163	13038	12870	12740	12545	12507	12490	12520	12812	13056	12767	12783	13231	14197	14896	15440	15773	16121	16213	16363	16081	15761	15689	15852	16131	16431	16463	16409	16299	16328	16011	15594	15107	15049	15521	15956	15828	15783	15524	15292	14985	14698	14256	13909	
SRev ST-Coal		61	119	234	214	209	136	206	200	215	76	81	52	62	62	278	273	272	279	204	205	37	85	72	113	95	108	142	94	87	90	87	71	89	118	106	97	102	101	113	93	100	99	104	113	98	105	106	131	
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	54	-3	319	37	156	153	157	210	191	37	36	76	78	76	143	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		1171	1086	1154	1038	1371	1514	1603	1723	1906	1928	1820	1685	1441	1156	1683	1650	1393	775	566	494	490	310	475	341	447	657	703	501	392	409	431	366	435	429	495	552	1038	1104	812	566	505	430	621	752	811	1126	1494	1560	
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
SRev Co-Gen		-5	-2	-5	-4	-6	-4	-5	-3	-3	0	-5	-5	-4	-2	0	9	4	2	-7	-5	-4	-2	0	-2	-1	0	1	-1	1	1	1	1	0	0	0	-2	-2	-3	-3	-4	-4	4	18	19	16	16	20	18	
Syncon		973	822	984	984	984	984	984	833	984	984	1085	934	1085	1085	1085	1085	747	934	934	934	934	833	833	934	934	1085	1085	556	308	137	137	137	137	324	385	385	385	385	198	198	198	385	385	385	385	385	500		
Hydro		123	237	107	110	111	105	107	107	240	107	159	147	270	132	136	139	141	512	439	442	431	432	374	397	390	393	266	265	346	569	638	676	686	676	533	489	489	492	331	446	549	543	548	451	441	445	455	454	
S.Reserve Total		2323	2262	2474	2342	2669	2735	2895	3011	3191	3095	3039	2964	2703	2433	3182	3156	2895	2315	2136	2070	1888	1759	1754	1682	1865	2092	2251	1941	1701	1414	1450	1404	1504	1570	1649	1558	2048	2155	1716	1375	1491	1274	1489	1720	1751	2077	2460	2663	