



Daily System Generation Summary on Wednesday

Wednesday, February 28, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,304 MW
Distillate	0 MW
Total TNB	<u>5,106 MW</u>
Total IPP	<u>14,431 MW</u>
Total Co-Gen	<u>0 MW</u>
Total System	<u>20,109 MW</u>

Generation Mix

Type	MWh	Percentage
Gas	46,501	12.79 %
Hydro	23,256	6.40 %
Total TNB	69,757	19.19 %
ST-Coal	168,483	46.35 %
Gas	124,790	34.33 %
Total IPP	293,273	80.69 %
Co-Gen	1,169	0.32 %
Total Co-Gen	1,169	0.32 %
Total Generation	364,199	100.20 %
PLTG	433	0.12 %
HVDC	301	0.08 %
Interconnection	734	0.20 %
Net Energy	363,465	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:	16:30:00 Hour
Total Set On Bus	18,390 MW
TNB Generation	3,955 MW
IPP Generation	13,418 MW
Spinning Reserve	969 MW
Maximum Demand	17,349 MW
Net Energy	363,465 MWH
Load Factor	87.29 %

Fuel Cost

Total Cost:	65,594,094.45 RM
Cost per Unit	19.24 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	348
Hydro	520
Syncon	223
Thermal	137
Total	1,228

Time	Weather	Temperature
Afternoon	Rainy	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	54
PGPS	41
SRDG	26
TJGS	222
Total TNB	343
CBPS	54
KLPP	111
MPSS	49
NPRI	164
PDPS	4
PGLA	108
PKLG	10
PTEK	48
SGB3	35
SGRI	151
SKSP	50
YPKA	86
Total IPP	872
Total Gas	1,214
Total Gas Required	1,214

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	14686	13965	13469	13085	12772	12526	12727	12703	12891	14683	15721	16490	16487	16200	16834	17149	17281	17064	15771	15421	16631	16545	16143	15741

Prepared By: Nur Atiqah Mohd Roszeli

Checked By: -Select Name- **K A A N G**

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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	2000	2100	2200	2300
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
TMGR	HY01	29	31	31	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY03	28	32	32	31	32	32	32	0	0	0	-1	-1	-1	-1	60	60	60	60	60	60	60	60	60
TMGR	HY04	32	36	36	35	36	36	-1	-1	-1	-1	-1	-1	-1	-1	61	61	61	61	61	61	61	61	61
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	96	93	181	182	92	-1	-1	180
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
Total Hydro		781	596	595	592	554	554	316	275	243	263	243	266	244	246	256	256	262	646	705	1040	1046	1200	1699
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
PCUF	CUFG	21	22	22	21	21	21	21	22	21	20	20	27	27	26	26	27	27	24	24	23	20	18	18
PCUF	CUFK	30	30	33	32	30	32	31	31	31	31	30	29	32	29	33	31	30	31	32	27	29	30	30
Total Co-Gen		51	52	55	53	51	53	52	52	53	52	51	50	56	59	55	59	58	57	55	56	53	51	47
Total Gen		14744	14271	13919	13696	13481	13269	13102	12883	12766	12519	12533	12518	12742	12958	12789	12657	12884	14040	14663	15278	15675	16087	16522
TIE-BGAT		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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TIE-PLTG		58	-6	-46	2	12	-10	17	9	-6	14	7	53	15	30	86	30	-7	-53	-20	-30	-46	-18	32
Interconnection		58	-6	-46	2	12	-10	17	9	-6	14	7	53	15	30	86	30	-7	-53	-20	-30	-46	-18	32
System Total		14686	14277	13965	13694	13469	13279	13085	12874	12772	12505	12526	12465	12727	12928	12703	12627	12891	14093	14683	15308	15721	16105	16490
SRev	ST-Coal	107	170	143	57	231	234	205	117	117	111	122	115	114	107	118	119	100	126	172	178	375	167	
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
SRev	CCGT-Gas	843	699	788	1002	827	1042	1001	1115	1201	1473	1427	1473	1232	1028	1192	1327	1124	703	410	371	200	254	
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
SRev	Co-Gen	6	5	2	4	6	4	5	5	4	5	6	7	1	-2	2	-2	-1	0	2	1	4	6	
Syncon		615	993	993	993	993	1077	1077	1077	926	1077	926	1162	1162	1162	1162	1011	892	892	453	453	151	0	
Hydro		571	228	229	232	248	248	202	243	191	322	191	319	189	187	201	201	346	166	207	486	480	628	
S.Reserve Total		2142	2095	2155	2288	2305	2521	2488	2557	2590	2837	2823	2838	2698	2482	2675	2807	2580	1887	1683	1489	1512	1223	