

Daily System Generation Summary on Monday

Monday, November 21, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,876 MW
Hydro	2,500 MW
Distillate	0 MW
Total TNB	5,376 MW
Total IPP	15,393 MW
Total Co-Gen	20 MW
Total System	21,353 MW

Generation Mix

Type	MWh	Percentage
Gas	45,033	13.06 %
Hydro	14,600	4.23 %
Total TNB	59,633	17.29 %
ST-Coal	193,392	56.09 %
Gas	90,947	26.38 %
Total IPP	284,339	82.46 %
Co-Gen	438	0.13 %
Total Co-Gen	438	0.13 %
Total Generation	344,410	99.89 %
PLTG	243	0.07 %
HVDC	-638	-0.19 %
Interconnection	-395	-0.11 %
Net Energy	344,805	100.00 %

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	18,298 MW
TNB Generation	3,215 MW
IPP Generation	13,356 MW
Spinning Reserve	1,708 MW
Maximum Demand	16,612 MW
Net Energy	344,805 MWH
Load Factor	86.48 %

Fuel Cost

Total Cost:	45,562,668.80 RM
Cost per Unit	13.81 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	545
Hydro	291
Syncon	714
Thermal	197
Total	1,747

Time	Weather	Temperature
Afternoon	Hot	28
Morning	Sunny	30

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	13131	12556	11995	11634	11478	11366	11639	11717	12482	14462	15473	16102	16172	15931	16364	16571	16538	16159	15081	15389	15958	15778	15298	14794

Prepared By: Abu Bakar bin K.K. Ibrahim

Checked By: -Select Name-

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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
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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	
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Total Hydro		305	226	229	224	222	230	222	245	224	225	243	228	229	250	223	291	297	339	434	444	482	752	973	
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	CUFK	18	18	18	19	18	18	19	18	17	17	18	17	18	18	19	18	17	19	18	17	19	18	18	
Total Co-Gen		18	18	18	19	18	18	19	18	17	17	18	17	18	18	19	18	17	19	18	17	19	18	18	
Total Gen		13120	12812	12598	12185	11943	11892	11649	11583	11457	11316	11327	11392	11806	11784	11683	11811	12468	13600	14471	14986	15418	15815	16021	
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	
TIE-HVDC		30	30	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	
TIE-PLTG		-41	25	71	-8	-23	-8	44	2	9	8	-11	40	-4	10	-5	14	15	-18	38	24	-26	-63		
Interconnection		-11	55	42	-37	-52	-37	15	-27	-21	-21	-39	12	-33	-20	-34	-16	-14	-47	9	-5	-55	-92		
System Total		13131	12757	12556	12222	11995	11829	11634	11610	11478	11337	11366	11380	11639	11784	11717	11827	12482	13647	14462	15003	15473	15907		
SRev ST-Coal		179	253	211	-16	-3	46	53	82	309	497	487	490	489	487	503	304	211	333	323	186	215	191		
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	
SRev ST-Gas		697	852	911	1397	1623	1595	1800	1961	2146	2284	2302	2218	2007	1923	1960	2253	1696	1156	754	576	518	416		
SRev Co-Gen		2	2	2	1	2	2	1	2	3	3	2	3	2	1	2	2	1	2	2	3	1	0	1	
Syncon		1162	1162	1162	1162	1162	1162	1162	1162	1162	1011	1162	1162	1162	1162	1011	1162	1162	860	759	608	608	709		
Hydro		142	121	118	123	125	117	125	202	123	122	255	119	118	248	124	156	150	158	239	78	190	222		
S.Reserve Total		2182	2390	2404	2667	2909	2922	3141	3389	3743	4068	4057	3992	3778	3670	3751	3877	3220	2811	2329	2005	2086	1689		