

Daily System Generation Summary on Monday

Monday, February 12, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,794 MW
Hydro	2,311 MW
Distillate	0 MW
Total TNB	<u>5,105 MW</u>
Total IPP	<u>15,020 MW</u>
Total Co-Gen	0 MW
Total System	<u>20,697 MW</u>

Maximum Demand Record

Date: 10/23/2017	17,790 MW
Date: 4/20/2016	372,457 MWH

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	54	Total	0
PGPS	33		
SRDG	4		
TJGS	221		
Total TNB	312		
CBPS	55		
KLPP	98		
MPSS	38		
NPRI	83		
PGLA	112		
PLPS	94		
PTEK	26		
SGB3	36		
SGRI	68		
SKSP	57		
YPKA	83		
Total IPP	749		
Total Gas	1,061		
Total Gas Required	1,061		

Alternate Fuel Usage

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	17,970 MW
TNB Generation	3,317 MW
IPP Generation	13,208 MW
Spinning Reserve	1,389 MW
Maximum Demand	16,542 MW
Net Energy	343,889 MWH
Load Factor	86.62 %

Generation Mix

Type	MWh	Percentage
Gas	43,612	12.68 %
Hydro	13,466	3.92 %
Total TNB	57,078	16.60 %
ST-Coal	177,049	51.48 %
Gas	108,858	31.65 %
Total IPP	285,907	83.14 %
Co-Gen	1,405	0.41 %
Total Co-Gen	1,405	0.41 %
Total Generation	344,390	100.15 %
PLTG	-130	-0.04 %
HVDC	631	0.18 %
Interconnection	501	0.15 %
Net Energy	343,889	100.00 %

Fuel Cost

Total Cost:	63,143,532.15 RM
Cost per Unit	19.08 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	319
Hydro	444
Syncon	659
Thermal	137
Total	1,559

Time	Weather	Temperature
Afternoon	Hot	33
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	13657	12883	12304	11945	11633	11467	11791	12036	12319	14083	15119	15744	15649	15474	15929	16325	16542	16215	15123	14820	15994	15902	15557	15068

Prepared By: Kannathason a/l Karuppiyah

Checked By: Abu Bakar bin K.K. Ibrahim

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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																									
TMGR	HY04	34	33	34	34	34	34	34	34	34	31	31	-1	30	-1	36	36	36	64	64	64	64	64	81	81	81	81	81	84	84	84	61	61	60	61	87	86	86	86	86	86	34	34	34						
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	95	-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	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		339	258	233	226	224	220	231	213	197	214	196	197	231	240	261	193	171	264	380	446	651	714	752	925	925	885	830	806	953	1269	1261	1166	1225	1105	942	650	430	374	338	611	1005	1000	882	716	522	267	240	242	
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
PCUF	CUFG	33	31	30	30	29	29	29	29	29	29	30	28	29	29	28	27	29	26	27	24	24	24	23	24	24	22	21	20	22	20	22	22	22	22	22	22	21	21	23	23	22	22	22	23	23	23	23	24	
PCUF	CUFK	33	33	33	34	33	33	34	33	35	33	34	32	33	34	33	33	33	33	33	34	34	34	33	33	33	35	33	34	34	33	32	32	32	32	33	34	35	33	34	33	34	33	32	33	33	33	33	33	
Total Co-Gen		66	64	63	64	62	62	63	62	64	62	63	62	61	63	62	61	60	62	59	60	57	57	58	57	58	57	55	54	55	55	54	56	55	55	54	53	53	56	57	57	55	56	56	55	56	56	57	57	57
Total Gen		13627	13207	12845	12495	12328	12062	11960	11835	11657	11592	11448	11571	11842	12025	12043	12030	12299	13330	14073	14629	15090	15350	15694	15886	15656	15434	15492	15627	15949	16290	16330	16353	16581	16557	16285	15758	15173	14886	14874	15537	16023	16043	15969	15791	15637	15387	15123	14832	
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	
TIE-HVDC		-29	-29	-30	30	30	30	31	31	30	30	30	30	30	30	30	29	29	30	30	30	30	29	29	30	30	30	30	30	30	30	30	30	30	30	29	29	29	29	29	29	31	31	30	30	30	30			
TIE-PLTG		-1	-5	-8	-38	-6	11	-16	15	-6	22	-49	-6	21	-27	-24	-16	-50	-39	-40	-87	-59	-55	-79	4	-23	-7	-12	-18	-11	-10	-25	-21	9	70	40	48	20	23	24	-31	0	63	38	3	49	12	25	9	
Interconnection		-30	-34	-38	-7	24	41	15	46	24	52	-19	24	51	3	7	14	-20	-9	-10	-57	-29	-25	-50	33	7	24	18	11	20	21	5	9	39	100	70	78	50	53	54	-2	29	92	67	33	80	43	55	39	
System Total		13657	13241	12883	12502	12304	12021	11945	11789	11633	11540	11467	11547	11791	12022	12036	12016	12319	13339	14083	14686	15119	15375	15744	15853	15649	15410	15474	15616	15929	16269	16325	16344	16542	16457	16215	15680	15123	14833	14820	15539	15994	15951	15902	15758	15557	15344	15068	14793	
SRev-ST-Coal		233	250	266	300	296	300	287	297	297	320	351	347	354	350	355	230	386	304	298	267	245	113	112	118	114	53	56	114	115	117	113	119	112	106	121	113	115	100	105	112	106	95	98	123	116	118	98	112	
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	2	3	42	38	39	28	4	9	13	120	20	20	96	15	10	38	23	38	27	23	21	40	15	70	0	0	
SRev-CCGT-Gas		186	504	539	652	635	874	998	1090	1258	1310	1343	1236	1236	1066	1070	1242	1232	708	486	572	348	494	189	271	503	648	535	375	209	207	266	245	227	236	330	423	537	788	756	358	257	252	210	219	176	207	359	276	
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		-9	-7	-6	-7	-5	-5	-6	-5	-7	-5	-6	-5	-4	-6	-5	-4	-4	-3	-5	-2	-3	0	0	-1	0	-1	0	2	3	2	2	3	1	2	2	3	4	4	1	0	0	2	1	1	2	1	1	0	
Syncon		1203	1203	1354	1354	1354	1354	1354	1354	1203	1354	1354	1203	1354	1203	1354	1438	1029	1012	802	802	802	777	626	626	626	626	777	777	313	313	500	374	500	626	727	1029	1266	1266	1030	651	651	651	863	863	964	964	964		
Hydro		226	229	105	110	112	116	105	123	139	273	140	139	256	96	226	143	81	225	126	295	240	412	399	503	503	543	598	471	424	572	580	488	555	549	586	527	338	157	193	156	391	396	514	468	437	365	392	390	
S.Reserve Total		1839	2179	2256	2409	2392	2639	2738	2859	3041	3101	3182	3071	3045	2860	2849	2965	3133	2263	1917	1934	1630	1821	1477	1519	1749	1911	1853	1778	1556	1215	1283	1368	1389	1413	1685	1889	2038	2325	2337	1679	1443	1423	1497	1695	1634	1670	1884	1742	