

Daily System Generation Summary on Tuesday

Tuesday, January 02, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,507 MW
Distillate	0 MW
Total TNB	<u>5,298 MW</u>
Total IPP	<u>16,527 MW</u>
Total Co-Gen	<u>0 MW</u>
Total System	<u>22,389 MW</u>

Generation Mix

Type	MWh	Percentage
Gas	36,091	11.24 %
Hydro	10,331	3.22 %
Total TNB	46,422	14.46 %
ST-Coal	180,619	56.26 %
Gas	92,514	28.82 %
Total IPP	273,133	85.08 %
Co-Gen	1,466	0.46 %
Total Co-Gen	1,466	0.46 %
Total Generation	321,021	99.99 %
PLTG	-753	-0.23 %
HVDC	727	0.23 %
Interconnection	-26	-0.01 %
Net Energy	321,047	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:	16:00:00 Hour
Total Set On Bus	17,050 MW
TNB Generation	2,396 MW
IPP Generation	12,873 MW
Spinning Reserve	1,724 MW
Maximum Demand	15,339 MW
Net Energy	321,047 MWH
Load Factor	87.21 %

Fuel Cost

Total Cost:	57,906,213.51 RM
Cost per Unit	18.64 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	396
Hydro	427
Syncon	817
Thermal	208
Total	1,848

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	46
TJGS	209
Total TNB	255
CBPS	52
KLPP	95
NPRI	148
PGLA	112
PLPS	79
SGB3	48
SKSP	32
YPKA	75
Total IPP	641
Total Gas	896
Total Gas Required	896

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	11890	11350	11067	10833	10586	10591	11151	11372	12002	13751	14510	14956	14998	14564	14995	15246	15339	15003	14163	14233	15019	14826	14175	13627

Prepared By: Kannathason a/l Karuppiah

Checked By: Abu Bakar bin K.K. Ibrahim

Printed on: Wednesday, January 03, 2018 7:52:26 AM
(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Tuesday

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
YPKA	ST20	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 CCGT-Gas		4360	4130	3903	3735	3579	3481	3364	3306	3409	3567	3565	3637	3803	4149	3988	4031	4509	5294	5842	6042	6336	6470	6546	6700
Total 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
BSIA	HY02	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
HTRG	HY01	-1	-1	-1	62	64	64	64	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	
HTRG	HY02	-1	-1	-1	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY02	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
KNYR	HY02	57	59	58	57	58	57	59	58	59	59	61	60	59	59	59	60	58	58	57	60	55	57	59	
LPIA	HY01	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	27	27	27	27	27	27	27	27	
LPIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
MNOR	HY01	7	7	7	7	7	4	3	3	3	3	3	3	3	3	3	3	5	5	5	6	6	7	7	
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY02	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY03	-1	22	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	22	21	21	21	21	21	21	21	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY01	50	50	30	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY02	50	50	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY01	25	25	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY02	25	25	17	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY03	25	25	17	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY02	34	34	34	32	34	34	33	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
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	
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	
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
UPIA	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
Total Hydro		373	398	333	455	329	329	352	262	260	260	261	262	263	199	222	190	200	293	359	359	359	478	478	
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	22	22	32	34	34	34	35	34	35	35	36	36	37	35	37	36	35	35	35	34	34	33	29	
PCUF	CUFK	5	32	32	31	33	33	32	33	33	32	32	32	32	32	32	32	31	33	32	32	32	32	32	
Total Co-Gen		27	54	64	65	67	67	67	68	68	68	69	67	70	68	67	66	66	66	65	66	66	62	62	
Total Gen		11878	11664	11331	11285	11068	10898	10821	10673	10544	10567	10579	10791	11180	11453	11377	11448	12014	13003	13787	14183	14515	14912	14986	
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	31	31	31	31	30	30	30	30	30	30	30	30	31	31	30	30	31	31	30	30	31	30	
TIE-PLTG		-42	-45	-50	-31	-90	-15	-42	-30	-71	1	-42	-10	0	10	-26	24	-19	-28	-47	-50	-29	-17	0	
Interconnection		-12	-14	-19	0	-59	15	-12	0	-42	31	-12	20	29	40	5	54	12	3	-16	-19	2	13	30	
System Total		11890	11678	11350	11285	11067	10883	10833	10673	10586	10536	10591	10771	11151	11413	11372	11394	12002	13000	13803	14202	14513	14899	14956	
SRev ST-Coal		177	168	129	130	127	139	122	122	327	376	361	336	400	406	413	427	355	365	340	284	287	187	188	
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	

Daily MW Generation on Tuesday

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																										
SRev CCGT-Gas		879	884	1111	1279	1435	1533	1650	1708	1605	1447	1449	1377	1211	865	1741	1763	1350	768	506	523	229	439	363	209	356	472	583	401	639	452	380	383	299	303	413	567	700	361	441	180	280	373	339	471	459	599	807	978		
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
SRev Co-Gen		30	3	-7	-8	-10	-10	-10	-11	-9	-11	-11	-12	-10	-13	-11	-10	-9	-11	-9	-10	-9	-8	-9	-9	-5	-5	-1	-2	1	-1	0	0	3	0	2	1	1	2	2	1	-2	1	-2	0	0	1	0	0	0	0
Syncon		1351	1200	1200	948	1099	1099	948	1099	1099	1099	1099	1099	1099	948	1099	1099	1099	1099	1099	948	948	797	797	797	923	1049	727	727	727	727	727	727	727	1265	1265	1114	963	353	353	353	625	1164	1164	1351	1351	1351	1351	1351		
Hydro		140	266	331	461	236	236	364	203	205	205	204	203	202	141	269	150	140	197	231	231	231	263	263	390	391	429	432	424	435	412	506	508	509	509	680	192	200	322	446	610	821	693	570	249	232	138	149	148		
S.Reserve Total		2663	2547	2790	2810	2887	2997	3074	3121	3225	3118	3102	3004	2900	2501	3358	3428	2934	2420	2165	2128	1838	1828	1754	1584	1724	1880	2135	2070	1992	1782	1803	1806	1724	1733	2004	2233	2352	1960	1972	1277	1607	1605	1716	2061	2118	2374	2590	2761		