

Daily System Generation Summary on Monday

Monday, October 16, 2017

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,300 MW
Distillate	0 MW
Total TNB	5,091 MW
Total IPP	16,010 MW
Total Co-Gen	40 MW
Total System	21,141 MW

Generation Mix

Type	MWh	Percentage
Gas	44,340	12.50 %
Hydro	25,579	7.21 %
Total TNB	69,919	19.71 %
ST-Coal	166,674	46.98 %
ST-Gas	3,144	0.89 %
Gas	113,450	31.98 %
Total IPP	283,268	79.85 %
Co-Gen	803	0.23 %
Total Co-Gen	803	0.23 %
Total Generation	353,990	99.78 %
PLTG	-71	-0.02 %
HVDC	-699	-0.20 %
Interconnection	-770	-0.22 %
Net Energy	354,760	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:	15:00:00 Hour
Total Set On Bus	18,416 MW
TNB Generation	3,617 MW
IPP Generation	13,315 MW
Spinning Reserve	1,450 MW
Maximum Demand	16,998 MW
Net Energy	354,760 MWH
Load Factor	86.96 %

Fuel Cost

Total Cost:	60,809,972.84 RM
Cost per Unit	18.52 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	559
Hydro	600
Syncon	290
Thermal	261
Total	1,710

Time Weather Temperature

Afternoon	Rainy	34
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	53
PGPS	35
SRDG	17
TJGS	221
Total TNB	326
CBPS	54
KLPP	105
MPSS	32
NPRI	151
PGLA	55
PLPS	100
PTEK	23
SGB3	94
SGRI	140
SKSP	1
YPKA	87
PKLG	31
Total IPP	873
Total Gas	1,199
Total Gas Required	1,199

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	14020	13457	12834	12323	12119	11914	12044	12049	12888	14731	15732	16363	16388	16026	16517	16998	16986	16555	15384	15580	16379	16043	15652	15276

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																										
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	0	0	50	50	0	0	0	0	0	0	0	0							
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	51	50	50	51	50	50	31	30	31	30	51	50	51	50	50	50	0	0	0	0	0	50	50	0	0	0	0	0	0	0	0		
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	0	0	0	0	0	16	16	16	16	16	0	0	0	0	0	16	16	16	16	16	0	0	0	0	0	0	0	0		
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	0	0	0	0	15	16	16	16	16	0	0	0	0	0	16	16	16	16	16	0	0	0	0	0	0	0	0			
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	0	0	0	0	16	16	16	16	16	0	0	0	0	0	16	16	16	16	16	16	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	16	16	16	16	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	0	0	0	0	0	0	0	0			
TMGR	HY01	34	34	34	34	33	34	31	34	34	34	34	34	34	33	35	62	35	33	33	32	34	34	28	33	33	34	34	61	62	61	62	62	56	34	35	34	35	34	34	34	34	33	34	33	34	34				
TMGR	HY02	36	36	36	36	35	36	33	36	36	36	36	36	36	36	35	37	64	36	35	34	34	36	36	30	35	35	36	35	63	64	64	64	64	58	35	36	36	36	36	36	36	36	36	36	35	36	35	36	36	
TMGR	HY03	33	33	33	33	32	33	30	33	33	33	33	33	32	33	32	33	60	33	32	31	31	33	33	27	32	32	32	59	30	30	30	33	28	33	33	33	34	33	33	33	33	33	32	33	32	33	32	33	33	
TMGR	HY04	34	34	34	34	33	34	31	33	33	34	34	34	34	33	34	61	34	33	32	31	34	34	28	32	33	34	33	60	31	30	31	34	28	33	34	34	34	34	34	34	32	34	32	34	32	34	34			
UJLI	HY01	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	85	86	85	98	93	76	-1	-1	93	89	87	91	87	92	89	77	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	178	88	85	-1	-1		
UJLI	HY02	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	88	87	85	98	96	79	87	-1	-1	-1	89	94	89	94	92	78	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	178	88	85	-1	-1			
UPIA	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	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		807	802	789	792	778	788	760	779	780	782	780	783	775	788	789	789	793	938	1012	1264	1258	1319	1379	1455	1352	1226	1152	1254	1239	1627	1549	1524	1545	1540	1405	1020	818	816	835	1218	1221	1117	1211	1285	1173	1127	965	819		
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	CUFK	35	36	34	33	34	34	32	34	34	35	35	34	34	33	34	35	36	34	34	33	33	32	33	32	32	33	35	33	34	32	31	32	32	35	35	31	35	34	33	33	32	32	33	33	34	33				
Total Co-Gen		35	36	34	33	34	34	32	34	34	35	35	34	34	33	34	33	34	35	36	34	34	33	33	32	33	32	33	35	33	34	32	31	32	32	35	35	31	35	34	33	33	32	32	33	33	34	33			
Total Gen		13988	13569	13424	13112	12802	12611	12291	12206	12087	11979	11882	11886	12012	12245	12016	12162	12856	13960	14700	15326	15700	16073	16330	16552	16355	16114	15994	16290	16486	16896	16966	16835	16953	16901	16522	15935	15352	15153	15549	16267	16348	16150	16010	15876	15620	15357	15243	14934		
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	-29	-29	-29	-29	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-28	-28	-29	-29	-30	-30	-28	-28	-29	-29	-28	-28	-28	-30	-29	-29	-30	-29	-29	-30	-29	-30	-30			
TIE-PLTG		-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3		
Interconnection		-32	-32	-33	-33	-32	-32	-32	-32	-31	-32	-32	-32	-32	-33	-33	-32	-32	-31	-31	-32	-32	-33	-33	-33	-33	-32	-32	-31	-31	-32	-32	-33	-33	-33	-31	-32	-31	-31	-33	-31	-31	-33	-33	-32	-32	-33	-33			
System Total		14020	13601	13457	13145	12834	12643	12323	12238	12119	12010	11914	11918	12044	12277	12049	12195	12888	13962	14731	15357	15732	16105	16363	16585	16388	16147	16026	16322	16517	16927	16998	16867	16986	16934	16555	15966	15384	15184	15580	16300	16379	16181	16043	15909	15652	15389	15276	14967		
SRev ST-Coal		363	366	347	373	415	416	348	359	356	526	600	601	515	522	512	519	369	379	372	373	377	203	235	270	288	253	272	266	273	261	281	311	294	308	312	293	279	267	261	225	213	67	74	74	75	270	270	237		
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-9	-6	-3	-6	-3	7	231	228	224	329	153	186	183	185	186	179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		324	470	489	429	470	631	1085	1178	1302	1333	1318	1317	1303	1214	1332	1407	989	683	341	367	407	358	361	478	587	619	701	554	549	421	254	342	253	339	524	457	972	1241	929	645	578	671	837	762	817	789	658	626		
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	30	32	32	33	35	39	34	4	-1	-3	-4	-3	-3	-3	-3	-3	-3	-3	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		5	4	6	7	6	6	8	6	6	5	6	6	6	7	6	7	6	5	4	6	6	7	7	8	7	8	7	5	7	6	8	9	8	8	5	5	9	5	6	7	7	8	8	7	7	6	7			
Syncon		403	590	590	590	590	590	590	590	777	777	777	777	777	777	777	777	777	626	439	252	252	252	252	252	252	439	626	439	439	126	126	126	126	126	126	626	626	626	626	626	626	626	439	439	252	252	439	439		
Hydro		518	522	535	532	546	536	564	545	544	541	543	540	548	535	534	534	530	586	749	684	690	729	669	593	696	535	422	507	522	497	600	625	604	609	669	454	656	658	664	456	453	457	550	476	539	535	510	656		
S.Reserve Total		1613	1952	1967	1931	2027	2179	2595	2678	2798	3182	3243	3241	3149	3055	3161	3244	2700	2309	1937	1705	1759	1581	1557	1632	1841	2084	2254	1993	2114	1462	1450	1592	1468	1573	1815	1832	2535	2801	2485	1958	1877	1828	1950	1797	1722	1853	1883	1955		