

Daily System Generation Summary on Monday

Monday, October 10, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,915 MW
Hydro	2,421 MW
Distillate	0 MW
Total TNB	5,336 MW
Total IPP	14,011 MW
Total Co-Gen	0 MW
Total System	19,347 MW

Generation Mix

Type	MWh	Percentage
Gas	57,509	16.58 %
Hydro	10,318	2.97 %
Total TNB	67,827	19.55 %
ST-Coal	196,115	56.53 %
ST-Gas	3,142	0.91 %
Gas	78,265	22.56 %
Total IPP	277,522	79.99 %
Co-Gen	914	0.26 %
Total Co-Gen	914	0.26 %
Total Generation	346,263	99.80 %
PLTG	-78	-0.02 %
HVDC	-607	-0.17 %
Interconnection	-685	-0.20 %
Net Energy	346,948	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	18,612 MW
TNB Generation	3,714 MW
IPP Generation	13,031 MW
Spinning Reserve	1,817 MW
Maximum Demand	16,827 MW
Net Energy	346,948 MWH
Load Factor	85.91 %

Fuel Cost

Total Cost:	47,985,984.75 RM
Cost per Unit	14.29 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	374
Hydro	389
Syncon	1,012
Thermal	157
Total	1,932

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	13
GLGR	15
PAKA	176
PGPS	13
SRDG	27
TJGS	201
Total TNB	445
KLPP	93
MPSS	41
NPRI	140
PDPS	6
PGLA	53
PKLG	13
PKLG	32
PLPS	37
PTEK	48
SGRI	180
Total IPP	642
Total Gas	1,088
Total Gas Required	1,088

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	13096	12480	12167	11820	11606	11559	11793	11750	12454	14341	15402	16182	16202	15892	16432	16827	16823	16422	15310	15243	16118	15971	15476	14977

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
JMAH	U001	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688
JMAH	U002	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688
JMJG	U001	579	574	573	577	576	576	579	574	575	570	560	579	579	576	596	601	673	671	677	678	677	676	678	674
JMJG	U002	577	576	576	576	575	576	576	574	575	576	574	576	578	574	597	611	672	673	676	672	676	678	673	675
JMJG	U003	571	565	559	572	567	568	568	575	564	564	566	568	562	567	565	602	600	672	667	671	672	671	669	671
JMJG	U004	836	801	799	799	799	796	799	796	797	798	800	796	797	797	798	796	797	797	798	799	799	798	797	798
PKLG	U004	282	246	203	207	248	278	278	278	278	276	277	281	279	279	279	279	279	279	279	279	279	279	279	279
PKLG	U005	464	468	468	464	468	468	468	466	466	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468
PKLG	U006	468	472	472	469	469	472	472	469	472	468	468	472	472	472	468	468	472	472	472	469	472	468	468	468
TBIN	U001	689	689	689	688	689	690	688	689	689	630	630	630	629	629	629	629	629	629	629	629	629	629	629	629
TBIN	U002	692	691	692	692	691	698	693	694	667	632	631	632	631	633	694	695	694	693	694	693	692	689	692	692
TBIN	U003	692	692	691	692	693	692	694	690	670	631	633	630	631	632	632	630	692	691	691	692	691	691	691	691
TBIN	U004	901	902	901	902	903	901	902	902	902	901	901	902	902	902	902	902	902	902	902	902	902	902	902	902
Total ST-Coal		8127	8052	7999	8014	8054	8091	8090	8088	8010	7899	7897	7891	7898	7889	7801	7814	7799	8187	8171	8198	8206	8283	8311	8312
Total ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PKLC	U001	0	0	0	0	0	0	0	0	0	28	61	85	125	125	123	157	233	163	143	143	145	145	146	146
Total ST-Gas		0	0	0	0	0	0	0	0	28	61	85	125	125	123	157	233	163	143	143	145	145	146	146	146
CBPS	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	28	28	28	28	28	28	28	28	28
CBPS	ST1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	46	49	46	
GLCR	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT13	140	126	69	68	68	69	69	64	66	69	67	63	68	69	68	70	97	101	101	101	141	141	140	140
KLPP	CT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	123	123	148	148	155	155	157	157	
KLPP	GT15	153	139	81	77	79	80	80	76	75	79	79	74	81	79	82	78	78	82	119	118	118	136	133	
KLPP	ST17	160	132	95	92	92	90	90	87	84	91	87	90	91	92	95	91	95	169	185	189	189	202	202	
MPSS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	16	81	86	105	105	104	104	104	104	104	
MPSS	CT02	0	0	0	0	0	0	0	0	0	0	33	84	81	80	79	108	102	94	107	105	105	105	105	
MPSS	ST01	0	0	0	0	0	0	0	0	0	0	0	0	0	35	39	41	108	110	110	110	110	111	111	
NPRI	BLK1	478	474	437	332	350	350	337	317	323	320	318	309	336	346	338	329	405	354	529	360	496	529	503	
NPRI	BLK2	479	475	439	333	352	351	337	311	320	316	316	308	337	343	336	325	404	353	532	355	498	532	503	
PAKA	GT1A	70	70	70	70	71	72	70	71	72	70	71	67	66	67	86	88	87	86	86	86	85	85	85	
PAKA	CT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	66	65	65	90	89	88	88	88	
PAKA	ST1C	32	32	32	32	32	32	32	32	32	32	32	31	28	28	29	78	80	81	81	81	81	81	81	
PAKA	GT2A	64	64	65	64	64	65	64	65	64	65	64	65	64	65	64	65	64	65	66	66	65	86	86	
PAKA	GT2B	64	64	64	64	64	65	64	65	65	63	64	64	65	64	65	65	65	65	65	85	85	85	85	
PAKA	ST2C	75	75	76	76	76	76	76	76	76	76	75	76	76	75	75	75	75	75	75	75	75	75	75	
PAKA	GT3A	64	64	65	64	63	65	64	64	65	64	64	64	64	64	65	64	65	64	86	86	85	81	85	
PAKA	CT3B	63	63	64	63	63	64	63	64	64	63	64	64	63	63	64	65	65	64	86	86	85	82	85	
PAKA	ST3C	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	
PAKA	GT4A	95	95	95	94	94	94	95	95	95	94	95	95	95	94	94	95	95	95	95	95	95	95	95	
PAKA	GT4B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	79	79	80	78	78	78	78	78	
PAKA	ST4C	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
PGLA	GT12	205	216	224	226	226	158	157	153	154	156	156	151	158	157	157	156	220	220	220	219	218	216	215	
PGLA	ST10	113	96	114	114	114	89	91	89	89	90	91	88	91	90	90	90	90	90	90	90	90	90	90	
PGPS	CT3B	95	97	96	92	83	83	83	82	83	84	83	83	83	83	83	84	83	83	83	83	83	83	83	
PGPS	ST3C	44	44	45	45	37	38	38	36	36	37	37	36	36	37	37	37	37	37	37	37	37	37	37	
PLPS	GT13	142	119	119	120	120	119	120	113	117	116	115	113	119	119	120	120	120	144	144	143	143	143	143	
PLPS	ST18	61	57	58	57	58	58	57	56	58	58	57	58	58	58	58	58	58	58	58	58	58	58	58	

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
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	0
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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	-1
TMGR	HY04	38	39	38	37	38	38	38	33	29	38	34	32	37	38	37	37	38	36	36	34	34	35	35	35
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
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	-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
Total Hydro		161	162	161	157	159	159	156	149	141	158	150	147	175	175	191	173	169	162	202	238	242	337	678	751
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
PCUF	CUFG	2	3	3	2	2	3	6	6	16	39	37	37	37	38	37	36	34	34	32	32	33	31	32	30
PCUF	CUFK	18	18	17	17	16	19	18	18	19	17	18	19	17	18	18	18	17	19	19	19	19	19	19	19
Total Co-Gen		20	21	20	19	18	21	21	24	25	33	57	56	54	54	55	55	54	53	51	49	50	50	49	50
Total Gen		13118	12838	12512	12247	12141	11919	11808	11630	11572	11494	11527	11548	11771	11942	11747	11762	12388	13341	14258	14888	15354	15696	16115	16291
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
TIE-HVDC		30	30	30	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTC		-8	-7	1	-4	3	-25	17	38	-5	46	-3	51	8	-16	25	-19	-38	-17	-55	-42	-18	-60	-38	
Interconnection		22	23	32	-32	-26	-55	-12	9	-34	17	-32	23	-22	-46	-3	-48	-66	-46	-83	-70	-48	-89	-67	
System Total		13096	12815	12480	12279	12167	11974	11820	11621	11606	11477	11559	11525	11793	11988	11750	11810	12454	13387	14341	14958	15402	15785	16182	16349
SRev-ST-Coal		218	186	196	185	186	154	155	157	235	346	348	354	346	355	356	540	522	186	202	175	167	140	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	0	0
SRev-CCGT-Gas		489	696	967	1242	1389	1651	1758	1930	1903	1895	1904	2009	1843	1703	1827	1994	1696	1479	858	828	382	211	270	
SRev-ST-Gas		0	0	0	0	0	0	0	0	0	30	32	33	35	36	36	38	42	-13	7	7	5	5	4	
SRev-Co-Gen		0	-1	0	1	2	-1	-1	-4	-5	-13	-37	-36	-34	-34	-35	-35	-34	-33	-31	-29	-30	-30	-29	
Syncon		1453	1453	1453	1453	1453	1453	1453	1453	1453	1453	1453	1453	1453	1453	1453	1453	1453	1453	1453	1453	1453	1453	1453	
Hydro		124	123	124	128	126	129	136	144	127	135	138	261	110	245	112	123	130	241	305	301	356	493	420	
S.Reserve Total		2284	2457	2740	3009	3156	3383	3494	3672	3730	3808	3833	3950	3751	3622	3731	4100	3798	3257	2559	2590	2124	1982	1821	