

Daily System Generation Summary on Friday

Friday, January 23, 2015

Availability at Daily Maximum Demand Hour

ST-Coal	2,320 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,021 MW
Hydro	1,828 MW
Distillate	0 MW
Total TNB	8,169 MW
Total IPP	11,095 MW
Total Co-Gen	0 MW
Total System	19,264 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	46,339	14.54 %
Gas	64,201	20.14 %
Hydro	22,192	6.96 %
Total TNB	132,732	41.63 %
ST-Coal	111,253	34.90 %
ST-Gas	3,861	1.21 %
Gas	69,164	21.69 %
Total IPP	184,278	57.80 %
Co-Gen	1,655	0.52 %
Total Co-Gen	1,655	0.52 %
Total Generation	318,665	99.96 %
PLTG	558	0.18 %
HVDC	-699	-0.22 %
Interconnection	-141	-0.04 %
Net Energy	318,806	100.00 %

Maximum Demand Record

Date: 6/11/2014	16,901 MW
Date: 6/24/2014	355,911 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	16,459 MW
TNB Generation	6,406 MW
IPP Generation	8,661 MW
Spinning Reserve	1,323 MW
Maximum Demand	15,180 MW
Net Energy	318,806 MWH
Load Factor	87.51 %

Fuel Cost

Total Cost:	38,786,131.88 RM
Cost per Unit	13.05 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	647
Hydro	479
Syncon	196
Thermal	143
Total	1,465

Time Weather Temperature

Afternoon	Hot	31
Morning	Sunny	24

Gas Usage

Station	(mmscfd)
CBPS	6
GLGR	54
PAKA	163
PGPS	37
SRDG	6
TJGS	217
Total TNB	484
KLPP	90
PGLA	89
PKLG	5
PLPS	5
SGB3	78
SGRI	153
SKSP	50
YPKA	69
PKLG	39
Total IPP	578
Total Gas	1,063
Total Gas Required	1,063

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	12882	12167	11782	11438	11171	10558	11229	11418	11657	13360	14135	14634	14745	14205	14525	15059	15154	14758	13700	13607	14620	14347	13682	13449

Daily MW Generation on Friday

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	HY01	28	-1	-1	39	85	31	30	-1	-1	-1	-1	-1	-1	-1	-1	81	83	84	82	83	82	81	79	80	85	84	83	84	84	84	83	83	82	82	82	84	83	83	83	33	33	31	33	-1							
TMGR	HY02	29	33	34	38	86	34	30	33	31	29	30	33	85	35	33	28	37	36	30	82	82	83	81	83	80	80	81	82	83	82	85	84	84	84	82	80	79	82	81	85	81	39	37	33	34	31	33	33			
TMGR	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	0	84	83	83	80	80	84	84	84	84	84	84	85	83	83	83	83	84	84	85	38	38	32	32	31	32	0
TMGR	HY04	-1	-1	-1	-1	82	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	80	81	79	80	78	79	76	77	80	79	79	79	80	80	79	79	78	79	79	78	79	79	80	80	79	79	35	35	34	35	-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	4	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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4				
Total Hydro		901	792	798	992	1012	857	690	644	544	542	540	549	805	801	828	751	696	721	715	851	1026	1031	977	1060	995	961	951	985	1028	1030	1201	1212	1212	1180	1168	1102	995	1003	1001	1174	1169	1081	1078	975	956	945	955	808			
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	39	37	38	38	38	39	39	39	39	37	39	38	40	39	41	21	27	25	26	26	27	27	22	17	16	14	27	31	31	31	33	30	30	31	31	32	39	25	25	24	24	26	25	26	26	24	25				
PCUF	CUFK	39	41	39	39	41	40	40	40	41	39	41	41	41	41	40	41	39	39	39	40	40	39	40	41	39	39	38	38	38	37	36	38	37	37	37	37	38	37	37	37	37	37	36	37	37	38	38	37			
Total Co-Gen		78	78	77	77	79	79	79	79	80	76	80	79	81	80	81	62	66	64	65	66	67	66	67	62	58	55	53	65	69	69	68	69	68	67	68	68	69	77	62	62	61	61	62	62	63	64	62	62			
Total Gen		12799	12588	12184	11731	11731	11664	11456	11396	11193	10722	10557	10708	11263	11582	11466	11353	11536	12805	13410	13639	14106	14803	14661	14915	14815	14484	14247	14343	14475	14798	15090	15136	15168	15174	14746	14432	13702	13665	13610	14285	14634	14584	14349	14080	13733	13509	13404	13134			
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		-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29			
TIE-PLTG		-53	7	46	-209	-22	-16	47	49	51	89	28	10	63	45	77	22	-92	-104	79	28	0	38	56	20	99	80	71	18	-21	-13	61	-14	43	57	17	78	31	56	32	-3	43	11	31	40	80	14	-16	62			
Interconnection		-83	-23	17	-238	-51	-44	18	20	22	60	-1	-19	34	16	48	-8	-121	-133	50	-1	-29	8	27	-10	70	51	42	-11	-50	-42	31	-44	14	29	-12	48	2	27	3	-32	14	-18	2	11	51	-15	-45	32			
System Total		12882	12611	12167	11969	11782	11708	11438	11376	11171	10662	10558	10727	11229	11566	11418	11361	11657	12638	13360	13640	14135	14495	14634	14925	14745	14433	14205	14354	14525	14840	15059	15180	15154	15145	14758	14384	13700	13638	13607	14317	14620	14602	14347	14069	13682	13524	13449	13102			
SRev ST-Coal		15	21	-38	-5	18	26	29	28	126	436	423	422	19	67	42	17	77	70	143	164	238	162	118	116	197	123	147	119	130	111	114	114	123	131	126	137	163	149	147	120	153	150	147	121	97	183	171	223			
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	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 CCGT-Gas		364	390	498	768	766	670	708	723	829	1284	1464	1322	1028	706	845	967	1563	943	411	712	690	445	570	595	647	943	1102	1102	1003	702	515	484	443	396	684	700	1217	1262	1310	795	437	402	658	704	604	646	586	240			
SRev ST-Gas		37	36	36	36	37	37	36	36	36	36	36	36	36	37	37	36	36	41	12	6	2	0	-2	0	0	0	0	2	2	2	0	-1	-1	0	35	36	35	33	0	0	0	0	0	0	0	0	0				
SRev Co-Gen		-2	-2	-1	-1	-3	-3	-3	-3	-4	0	-4	-3	-5	-4	-5	14	10	12	11	10	9	10	9	14	18	21	23	11	7	7	8	7	8	9	8	8	7	-1	14	14	15	14	15	14	13	12	14	14			
Syncon		541	775	624	88	453	453	541	624	624	624	624	624	385	536	624	624	473	624	624	541	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	322				
Hydro		298	73	68	410	25	180	157	96	96	98	100	91	74	155	89	166	272	120	150	97	487	482	536	535	525	509	519	485	467	465	469	458	458	490	502	468	475	467	469	496	501	589	574	677	646	657	647	478			
S.Reserve Total		1253	1293	1187	1296	1296	1363	1468	1504	1707	2478	2643	2492	1537	1496	1632	1825	2431	1805	1380	1536	1581	1354	1457	1519	1649	1858	2052	1976	1869	1546	1369	1323	1291	1285	1613	1499	2049	2063	2124	1576	1257	1307	1544	1667	1511	1649	1569	1277			