

Daily System Generation Summary on Wednesday

Wednesday, March 21, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,340 MW
Distillate	0 MW
Total TNB	5,142 MW
Total IPP	15,463 MW
Total Co-Gen	51 MW
Total System	20,942 MW

Generation Mix

Type	MWh	Percentage
Gas	46,098	12.66 %
Hydro	12,937	3.55 %
Total TNB	59,035	16.21 %
ST-Coal	189,957	52.15 %
Gas	114,560	31.45 %
Total IPP	304,517	83.61 %
Co-Gen	1,309	0.36 %
Total Co-Gen	1,309	0.36 %
Total Generation	364,861	100.17 %
PLTG	-98	-0.03 %
HVDC	729	0.20 %
Interconnection	631	0.17 %
Net Energy	364,230	100.00 %

Maximum Demand Record

Date: 10/23/2017	17,790 MW
Date: 3/15/2018	372,493 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	18,785 MW
TNB Generation	3,662 MW
IPP Generation	13,863 MW
Spinning Reserve	1,209 MW
Maximum Demand	17,497 MW
Net Energy	364,230 MWH
Load Factor	86.74 %

Fuel Cost

Total Cost:	66,577,942.76 RM
Cost per Unit	18.92 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	444
Hydro	497
Syncon	556
Thermal	98
Total	1,595

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	42
GLGR	52
PGPS	37
SRDG	4
TJGS	207
Total TNB	341
CBPS	53
KLPP	97
MPSS	45
NPRI	161
PGLA	108
PTEK	6
SGRI	164
SKSP	50
YPKA	79
Total IPP	763

Total Gas 1,104

Total Gas Required 1,104

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	14561	13699	13250	12856	12689	12448	12588	12737	13160	14884	16020	16612	16662	16396	16914	17401	17490	17082	15843	15572	16553	16519	15970	15497

Daily MW Generation on Wednesday

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																														
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	182	182	86	90	94	-1	-1	-1								
Total Hydro		285	290	284	282	213	214	209	211	213	211	220	253	235	217	224	212	212	241	308	348	623	744	719	757	682	523	507	883	882	1286	1290	1298	1287	1294	1168	694	397	283	315	481	834	887	810	785	412	287	289	302						
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	0				
PCUF	CUFG	19	20	20	20	29	30	29	29	28	28	28	28	28	28	28	29	28	29	28	29	27	28	27	26	27	27	26	26	26	25	27	27	27	27	27	27	27	27	28	29	29	29	28	28	28	29	28							
PCUF	CUFK	28	29	28	29	30	30	28	29	28	29	29	28	28	30	29	29	28	28	29	28	27	25	25	25	26	26	25	24	26	25	24	25	25	25	25	25	27	27	28	28	26	26	27	27	27	27	28	28						
Total Co-Gen		47	49	48	49	59	60	57	58	56	57	58	56	56	58	57	57	59	57	58	55	56	56	54	54	52	52	51	52	52	50	51	53	52	51	52	52	53	56	56	58	57	55	55	55	55	55	55	57	56					
Total Gen		14537	14882	13691	13569	13254	13131	12871	12771	12692	12522	12478	12502	12605	12724	12757	12828	13151	14283	14887	15605	15992	16403	16622	16763	16743	16597	16451	16669	16965	17458	17441	17527	17475	17576	17121	16428	15933	15620	15668	16286	16619	16655	16573	16310	16024	15824	15498	15296						
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	0	0				
TIE-HVDC		31	30	30	30	30	31	31	30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	31	31	30	30	31	31	31	31	31	29	31	31	31	31	31	30	30	30	30	30	30	30	31	31	31	31	30					
TIE-PLTG		-56	-55	-38	22	-26	-31	-16	-22	-27	-29	0	-14	-14	-8	-10	10	-39	-72	-27	-62	-58	-38	-20	17	50	65	25	-27	20	12	9	14	-44	48	8	32	59	24	67	-37	36	42	24	42	24	4	-29	-52						
Interconnection		-24	-24	-8	52	4	1	15	8	3	2	30	16	17	22	20	40	-9	-41	3	-32	-28	-8	10	48	81	95	55	4	51	42	40	45	-15	79	39	62	90	53	96	-7	66	73	54	73	54	35	1	-22						
System Total		14561	14106	13699	13517	13250	13130	12856	12763	12689	12520	12448	12486	12588	12702	12737	12788	13160	14324	14884	15637	16020	16411	16612	16715	16662	16502	16396	16665	16914	17416	17401	17482	17490	17497	17082	16366	15843	15567	15572	16293	16553	16582	16519	16237	15970	15789	15497	15318						
SRev ST-Coal		143	300	372	373	356	374	371	368	379	378	444	466	436	426	127	81	49	58	85	164	217	184	129	59	92	71	60	41	51	99	128	127	107	116	134	116	112	35	28	31	37	45	31	46	27	32	107	102						
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	9	107	44	75	75	69	117	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		566	871	1177	1295	1571	1680	1810	1712	1770	1942	1872	1852	1708	1583	1631	1654	1365	774	608	513	524	329	429	377	287	295	435	523	315	271	435	329	389	221	485	505	663	872	863	380	393	400	419	642	574	644	668	664						
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	0	0		
SRev Co-Gen		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	0	0		
Syncon		922	922	922	922	1073	1073	1073	1073	1073	1073	1224	1073	1073	1224	1224	1224	1224	1073	1073	1224	651	500	651	651	500	802	802	615	615	313	313	313	313	313	313	766	867	1139	1139	851	464	464	464	549	886	1073	1073	1073						
Hydro		279	274	280	282	150	149	154	152	150	152	142	260	278	145	138	150	150	272	305	114	623	653	527	487	715	447	463	599	600	498	494	486	497	490	616	362	408	250	218	340	449	496	623	563	224	86	84	71						
S.Reserve Total		1910	2367	2751	2872	3150	3276	3408	3305	3372	3545	3682	3651	3495	3378	3120	3109	2788	2177	2071	2015	2015	1666	1736	1574	1594	1615	1760	1778	1590	1288	1414	1330	1381	1209	1665	1763	2050	2296	2248	1602	1343	1405	1537	1800	1711	1835	1932	1910						