

Daily System Generation Summary on Tuesday

Tuesday, February 13, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,794 MW
Hydro	2,313 MW
Distillate	0 MW
Total TNB	<u>5,107 MW</u>
Total IPP	<u>15,663 MW</u>
Total Co-Gen	0 MW
Total System	<u>21,342 MW</u>

Generation Mix

Type	MWh	Percentage
Gas	42,038	12.00 %
Hydro	8,337	2.38 %
Total TNB	50,375	14.38 %
ST-Coal	179,929	51.36 %
Gas	119,543	34.12 %
Total IPP	299,472	85.48 %
Co-Gen	1,357	0.39 %
Total Co-Gen	1,357	0.39 %
Total Generation	351,204	100.25 %
PLTG	152	0.04 %
HVDC	716	0.20 %
Interconnection	868	0.25 %
Net Energy	350,336	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:	15:30:00 Hour
Total Set On Bus	17,923 MW
TNB Generation	2,721 MW
IPP Generation	13,797 MW
Spinning Reserve	1,351 MW
Maximum Demand	16,550 MW
Net Energy	350,336 MWH
Load Factor	88.20 %

Fuel Cost

Total Cost:	65,395,381.05 RM
Cost per Unit	19.07 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	269
Hydro	482
Syncon	748
Thermal	122
Total	1,621

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	26

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	14345	13501	12992	12595	12233	12068	12264	12445	12680	14295	15133	15829	15824	15577	16110	16417	16543	16295	15130	14884	15950	15875	15459	15032

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	54	Total	0
PGPS	37		
TJGS	212		
Total TNB	302		
CBPS	54		
KLPP	97		
MPSS	45		
NPRI	159		
PGLA	113		
PLPS	96		
PTEK	10		
SGB3	35		
SGRI	80		
SKSP	53		
YPKA	81		
Total IPP	823		
Total Gas	1,125		
Total Gas Required	1,125		

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
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	29	29	29	29	30	30	30	30	30	30	30	31	31	29	29	31	31	30	30	30	30	
TIE-PLTG		15	40	54	-6	28	4	51	15	20	-2	19	-16	42	0	40	45	28	48	-41	-12	41	17	-53	
Interconnection		45	70	82	23	58	34	82	46	50	28	49	14	71	30	70	75	59	79	-10	18	71	47	-22	
System Total		14345	13974	13501	13309	12992	12849	12595	12423	12333	12234	12068	12240	12264	12658	12445	12498	12680	13582	14295	14791	15133	15520	15829	
SRev ST-Coal		109	114	198	259	257	265	264	266	265	256	260	262	263	260	261	264	261	97	250	206	113	97	105	
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	
SRev CCGT-Gas		587	509	451	672	1015	1169	1419	1818	1848	1874	2031	1877	1795	1284	1428	1565	1392	606	470	348	558	145	181	
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	
SRev Co-Gen		1	0	0	1	-1	1	2	0	1	1	1	-1	1	0	-1	2	-1	0	-2	-1	-1	-1	-3	
Syncon		964	964	1266	1266	1266	1266	1080	1080	1080	1115	1266	1266	1266	1266	1266	1266	1266	1266	1115	964	813	813	813	
Hydro		386	389	134	135	125	134	137	128	136	134	268	134	134	97	125	130	135	137	137	268	394	524	496	
S.Reserve Total		2047	1976	2049	2333	2662	2835	3088	3292	3330	3345	3675	3538	3459	2907	3079	3227	3053	2106	2121	1936	1828	1578	1592	