

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,507 MW
Distillate	0 MW
Total TNB	5,298 MW
Total IPP	15,156 MW
Total Co-Gen	0 MW
Total System	21,018 MW

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:	15:00:00 Hour
Total Set On Bus	17,521 MW
TNB Generation	3,485 MW
IPP Generation	12,806 MW
Spinning Reserve	1,180 MW
Maximum Demand	16,272 MW
Net Energy	338,726 MWH
Load Factor	86.74 %

Gas Usage

Station	(mmscfd)
GLGR	52
PGPS	23
TJGS	213
Total TNB	288
CBPS	54
KLPP	94
NPRI	155
PGLA	107
PLPS	85
PTEK	7
SGRI	56
SKSP	51
YPKA	30
Total IPP	640
Total Gas	928

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	40,111	11.84 %
Hydro	18,696	5.52 %
Total TNB	58,807	17.36 %
ST-Coal	183,221	54.09 %
Gas	96,248	28.41 %
Total IPP	279,469	82.51 %
Co-Gen	1,238	0.37 %
Total Co-Gen	1,238	0.37 %
Total Generation	339,514	100.23 %
PLTG	58	0.02 %
HVDC	730	0.22 %
Interconnection	788	0.23 %
Net Energy	338,726	100.00 %

Fuel Cost

Total Cost:	59,797,688.88 RM
Cost per Unit	18.64 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	364
Hydro	475
Syncon	553
Thermal	140
Total	1,532

Total Gas Required 928

Time	Weather	Temperature
Afternoon	Rainy	29
Morning	Sunny	25

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	13043	12357	11916	11647	11464	11452	11878	12173	12558	13999	14799	15455	15497	15227	15786	16272	16259	16031	14990	14875	15775	15477	14833	14302

Prepared By: Nur Atiqah Mohd Roszeli

Checked By: -Select Name-

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 (Gurcharan Singh)
 Pengurus Besar Kanan
 Jabatan Sistem Operasi

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																											
Total Gen		13008	12637	12373	12086	11885	11792	11634	11539	11425	11338	11440	11580	11887	12324	12195	12162	12574	13432	14026	14440	14842	15306	15496	15717	15555	15295	15303	15631	15864	16157	16341	16290	16382	16346	16098	15519	15083	14835	14974	15755	15834	15721	15551	15313	14905	14700	14253	13907			
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	0
TIE-HVDC		31	31	31	31	31	31	31	31	29	29	30	30	30	30	31	31	31	31	31	31	31	31	31	31	31	31	30	30	30	30	30	30	30	30	31	31	31	30	30	30	30	31	31	31	31	31	30	30	30	30	
TIE-PLTG		-66	-46	-14	-108	-62	-61	-44	-5	-71	-53	-41	-18	-21	40	-7	-43	-15	-6	-3	21	12	30	10	40	27	19	45	47	47	60	39	56	93	68	37	78	63	3	69	23	29	-47	43	-17	41	-1	-79	-92			
Interconnection		-35	-15	16	-76	-31	-30	-13	26	-39	-26	-12	11	9	69	22	-12	16	24	27	52	43	60	41	71	58	50	76	77	78	90	69	86	123	98	67	109	93	34	99	52	59	-16	74	14	72	29	-49	-62			
System Total		13043	12652	12357	12162	11916	11822	11647	11513	11464	11364	11452	11577	11878	12285	12173	12174	12558	13408	13959	14388	14799	15246	15455	15646	15497	15245	15227	15554	15786	16067	16272	16204	16259	16248	16031	15410	14990	14801	14875	15703	15775	15737	15477	15299	14833	14671	14302	13969			
SRev ST-Coal		174	233	308	307	239	299	314	309	295	310	301	315	323	274	287	315	312	365	279	294	133	113	133	124	136	124	125	136	136	118	120	121	122	121	122	129	119	113	118	119	120	126	119	125	106	118	119	118			
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	94	12	0	1	1	0	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		835	1019	1050	1210	1205	1334	1491	1589	1723	1796	1698	1540	1233	879	964	991	923	602	368	362	350	251	260	294	537	256	245	320	314	290	198	239	205	253	416	524	215	324	309	327	394	495	660	482	446	617	846	840			
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	
SRev Co-Gen		20	21	22	19	17	15	4	-1	-1	-1	-1	0	-2	0	0	-4	-3	-1	0	1	1	1	4	3	3	2	3	2	7	10	7	7	9	8	7	6	8	6	7	5	6	7	7	5	5	6	6	6			
Syncon		1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1198	1349	1349	1349	1349	1349	1349	1198	1011	885	601	414	414	727	727	727	601	414	414	414	313	313	313	313	710	711	711	374	187	187	187	498	811	811	811	811	811		
Hydro		119	112	110	111	123	122	122	126	122	122	123	121	122	233	116	125	102	120	128	261	366	361	499	541	448	529	530	549	443	440	429	450	489	486	572	721	727	623	593	482	581	586	598	599	745	685	684	662			
S.Reserve Total		2497	2734	2839	2996	2933	3119	3280	3372	3488	3576	3470	3325	3025	2584	2716	2776	2683	2435	2124	2116	1861	1611	1497	1376	1538	1638	1630	1734	1501	1366	1180	1231	1139	1182	1430	1759	1779	1777	1738	1307	1288	1401	1571	1709	2117	2237	2466	2437			