

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,286 MW
Hydro	2,332 MW
Distillate	0 MW
Total TNB	5,618 MW
Total IPP	13,463 MW
Total Co-Gen	0 MW
Total System	19,363 MW

Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
CBPS	43	Total	0
GLGR	51		
PAKA	147		
PGPS	42		
SRDG	9		
TJGS	109		
Total TNB	400		
KLPP	101		
NPRI	155		
PGLA	113		
PKLG	11		
PLPS	85		
PTEK	27		
SGB3	61		
SGRI	182		
SKSP	33		
Total IPP	767		
Total Gas	1,168		
Total Gas Required	1,168		

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	17,174 MW
TNB Generation	3,833 MW
IPP Generation	12,048 MW
Spinning Reserve	1,219 MW
Maximum Demand	15,987 MW
Net Energy	338,635 MWH
Load Factor	88.26 %

Generation Mix

Type	MWh	Percentage
Gas	50,783	15.00 %
Hydro	20,322	6.00 %
Total TNB	71,105	21.00 %
ST-Coal	163,528	48.29 %
Gas	101,434	29.95 %
Total IPP	264,962	78.24 %
Co-Gen	1,771	0.52 %
Total Co-Gen	1,771	0.52 %
Total Generation	337,838	99.76 %
PLTG	-98	-0.03 %
HVDC	-699	-0.21 %
Interconnection	-797	-0.24 %
Net Energy	338,635	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	474
Hydro	470
Syncon	461
Thermal	116
Total	1,521

Time Weather Temperature

Afternoon	Hot	30
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	13524	12886	12454	12014	11779	11741	11949	12127	12337	14130	14930	15479	15489	15132	15633	15923	15987	15711	14554	14306	15493	15461	14784	14401

Prepared By: -Select Name-

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																										
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	0	0	14	16	16	25	25	25	25	0	0	0	0	16	25	25	6	0	0	0	0														
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	40	40	40	40	40	39	40	40	39	42	40	40	39	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1												
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	42	41	41	40	-1	-1	40	47	44	37	49	42	39	41	39	21	34	25	44	40	36	36	0	0	0	0									
TMGR	HY04	36	39	34	36	37	39	38	37	38	38	39	44	41	41	36	38	37	32	39	40	45	44	43	42	44	45	42	45	44	41	48	45	41	42	41	33	36	36	45	43	41	41	43	37	46	45	40			
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	98	93	94	89	92	96	87	98	94	89	104	92	93	94	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
UJLI	HY02	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	96	99	95	94	91	95	-1	89	100	94	91	104	94	94	-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	7	6	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
UPIA	HY02	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
Total Hydro		682	558	548	553	556	560	558	556	558	579	559	569	683	637	604	606	719	634	658	932	1132	1222	1221	1206	931	835	1068	1202	1182	1293	1350	1393	1382	1215	923	697	667	669	708	975	1098	1188	830	773	804	798	785			
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	42	41	42	41	42	41	43	41	42	41	42	41	41	42	40	40	40	41	41	42	39	41	42	43	41	42	44	43	42	42	43	43	42	43	43	42	43	43	42	45	43	42	43	44	41	41	42	43		
PCUF	CUFK	32	33	31	33	32	32	31	31	31	30	33	30	32	31	33	32	32	32	33	32	33	32	33	32	33	31	33	34	33	31	32	32	33	31	29	32	32	33	31	31	31	31	31	32	33	32	32	32		
Total Co-Gen		74	74	73	74	74	73	74	72	73	71	75	72	73	73	74	73	72	73	72	73	74	74	72	74	74	76	72	75	78	76	73	74	75	76	73	72	75	74	78	74	73	74	75	73	74	74	74	75		
Total Gen		13512	13044	12851	12594	12379	12160	11977	11903	11732	11671	11660	11704	11947	12226	12122	12070	12324	13394	14103	14573	14898	15279	15447	15599	15457	15214	15100	15213	15600	15830	15890	15925	15955	15905	15679	15147	14522	14208	14274	14987	15461	15500	15470	15173	14800	14577	14352	14072		
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	
TIE-HVDC		-29	-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	
TIE-PLTG		18	-58	-6	-6	-45	-12	-8	8	-18	-28	-52	24	27	67	23	25	16	25	3	-19	-3	-3	-3	-4	-3	-3	-3	-3	-3	-3	-3	-4	-4	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	37	-8	45	-149	-20	-18	
Interconnection		-12	-87	-35	-36	-75	-41	-37	-21	-47	-57	-81	-5	-2	38	-5	-4	-13	-4	-27	-48	-32	-32	-32	-33	-32	-32	-32	-33	-33	-33	-33	-33	-31	-32	-33	-32	-32	-32	-32	-32	-32	-32	9	-37	16	-178	-49	-46		
System Total		13524	13131	12886	12630	12454	12201	12014	11924	11779	11728	11741	11709	11949	12188	12127	12074	12337	13398	14130	14621	14930	15311	15479	15632	15489	15246	15132	15246	15633	15863	15923	15956	15987	15938	15711	15179	14554	14240	14306	15019	15493	15532	15461	15210	14784	14755	14401	14118		
SRev	ST-Coal	238	217	170	165	174	229	225	231	170	160	166	160	169	168	159	163	97	114	110	116	112	103	102	121	117	113	117	113	99	139	135	151	141	149	113	113	-28	90	116	59	35	120	117	106	132	112	133	116		
SRev	OCGT-Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-2	-1	27	121	120	123	2	13	15	153	168	169	247	213	340	242	240	219	215	153	78	0	0	0	0	0	0	0	0	
SRev	CCGT-Gas	606	814	721	991	1200	1245	1321	1387	1507	1575	1606	1545	1302	1139	1206	1374	1560	1508	888	576	510	369	517	558	663	541	558	675	470	318	407	235	247	280	260	310	622	931	892	300	225	267	250	221	509	501	609	697		
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	-53	-53	-52	-53	-53	-52	-53	-51	-52	-50	-54	-51	-52	-52	-53	-52	-52	-51	-52	-51	-52	-53	-53	-51	-53	-53	-55	-51	-54	-57	-55	-52	-53	-54	-55	-52	-51	-54	-53	-57	-53	-52	-53	-54	-52	-53	-54	-52	-53	
Syncon		799	1101	1101	1101	1101	914	914	914	914	914	763	914	914	763	763	763	425	252	252	252	252	340	527	252	252	252	252	252	252	252	252	439	711	711	711	711	711	711	711	711	711	711	862	862	862	862	862			
Hydro		457	50	60	55	52	49	51	53	51	51	181	50	40	77	173	55	53	241	326	302	552	725	635	636	651	588	497	739	655	675	564	507	464	475	380	250	476	506	504	465	423	300	210	155	137	106	112	125		
S.Reserve Total		2047	2129	2000	2259	2474	2385	2458	2534	2590	2650	2662	2618	2373	2095	2248	2454	2572	2575	2035	1706	1547	1396	1451	1515	1657	1650	1764	1851	1424	1340	1318	1246	1219	1271	1384	1545	2070	2426	2410	1697	1556	1499	1313	1377	1675	1615	1750	1833		