

Daily System Generation Summary on Saturday

Saturday, February 17, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,794 MW
Hydro	2,391 MW
Distillate	0 MW
Total TNB	5,185 MW
Total IPP	14,264 MW
Total Co-Gen	57 MW
Total System	20,078 MW

Maximum Demand Record

Date: 10/23/2017	17,790 MW
Date: 4/20/2016	372,457 MWH

Gas Usage

Station	(mmscfd)
GLGR	49
SRDG	4
TJGS	221
Total TNB	274

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	14,860 MW
TNB Generation	2,482 MW
IPP Generation	10,792 MW
Spinning Reserve	1,578 MW
Maximum Demand	13,259 MW
Net Energy	282,857 MWH
Load Factor	88.89 %

CBPS	56
KLPP	91
NPRI	76
PGLA	110
PLPS	85
PTEK	9
SKSP	50
YPKA	72
Total IPP	549

Generation Mix

Type	MWh	Percentage
Gas	38,802	13.72 %
Hydro	9,525	3.37 %
Total TNB	48,327	17.09 %
ST-Coal	149,718	52.93 %
Gas	85,365	30.18 %
Total IPP	235,083	83.11 %
Co-Gen	192	0.07 %
Total Co-Gen	192	0.07 %
Total Generation	283,602	100.26 %
PLTG	21	0.01 %
HVDC	724	0.26 %
Interconnection	745	0.26 %
Net Energy	282,857	100.00 %

Fuel Cost

Total Cost:	51,444,890.97 RM
Cost per Unit	18.77 cents/kWH

Total Gas 823

Total Gas Required 823

Average Spinning Reserve During Peak Hour

Type	MW
GT	433
Hydro	262
Syncon	873
Thermal	174
Total	1,742

Time	Weather	Temperature
Afternoon	Hot	35
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	13035	12616	12109	11717	11469	11131	11078	10977	10267	10552	11063	11364	11439	11440	11616	11762	11821	11704	11636	11876	13209	13122	12926	12901

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Checked By: -Select Name- *Kanan*

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Saturday

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
BSIA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSIA	HY02	11	11	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	22	22	22	11	11	11	11
BSIA	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
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY04	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
HTRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	61	62	-1	0	0	0	0	0	0	61	-1
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	64	63	-1	-1
KNRG	HY01	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
KNRG	HY02	25	24	24	24	24	24	25	25	25	25	25	25	25	21	22	21	21	21	21	22	21	21	21	21
KNRG	HY03	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
KNYR	HY01	97	57	56	56	55	56	58	60	59	59	59	57	58	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNYR	HY02	78	59	70	79	69	61	66	77	98	94	80	84	82	82	64	64	57	88	100	101	91	87	87	100
KNYR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LPIA	HY01	20	19	19	19	19	19	19	20	20	19	19	19	19	19	19	19	19	20	20	20	19	20	20	20
LPIA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
MNOR	HY01	8	8	8	8	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
PGAU	HY01	22	19	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	21	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	21	19	21	21	22	22	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	49	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	49
SIHY	HY02	50	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	51
SIHY	HY03	50	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	51
SYPS	HY01	25	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	51
SYPS	HY03	25	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	51
SYPS	HY04	25	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	51
TMGR	HY02	83	81	63	62	63	62	63	63	63	63	63	63	32	31	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY04	81	79	61	61	61	61	61	61	61	61	61	32	32	36	36	36	36	36	36	38	38	38	38	38
UJLI	HY01	-1	-1	-1	-1	-1	-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	5	5	5	5	5	5	5	5	5
Total Hydro		789	635	464	449	435	428	433	447	404	400	386	390	387	386	368	249	241	240	253	253	243	239	327	340
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
PCUF	CUF	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PCUF	CUPK	4	5	6	6	5	6	4	7	4	5	5	4	4	5	6	6	5	6	7	5	5	4	5	6
Total Co-Gen		7	8	9	9	8	8	9	7	10	7	8	8	7	8	8	9	9	8	9	10	8	8	7	8
Total Gen		13066	12863	12638	12377	12139	11945	11717	11586	11481	11348	11147	11116	11115	11114	11041	10543	10308	10412	10562	10726	11079	11245	11393	11488
TIE-BGAT		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	30	31	31	31	30	29	29	31	31	31	31	31	29	29	30	30	29	29	30	30	30	31
TIE-PLTG		1	44	-8	17	0	-5	-51	1	-18	-25	-14	-14	6	19	33	-30	10	-9	-19	15	-14	17	0	
Interconnection		31	74	22	47	30	26	0	31	12	4	16	17	37	50	64	1	41	21	10	45	16	46	29	
System Total		13035	12789	12616	12330	12109	11919	11717	11555	11469	11344	11131	11099	11078	11064	10977	10542	10267	10391	10552	10681	11063	11199	11364	
SRev ST-Coal		227	255	257	250	253	243	249	255	276	117	117	118	122	118	119	199	220	211	221	216	224	205	207	161
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
SRev CCGT-Gas		229	284	333	323	446	394	392	534	575	566	589	620	620	618	675	975	1181	1083	935	778	425	336	380	
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
SRev Co-Gen		50	49	48	48	49	49	48	50	47	50	49	49	50	49	49	48	48	48	49	48	47	49	49	50

Daily MW Generation on Saturday

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																								
Syncon		313	313	464	615	615	615	615	766	766	766	766	867	867	955	955	955	955	867	867	716	867	993	993	741	741	678	829	829	829	893	955	955	955	923	835	835	892	980	980	1081	1081	1081						
Hydro		495	649	444	308	322	329	324	310	124	128	142	138	141	142	160	178	186	99	86	86	96	100	175	162	289	127	130	136	155	207	290	134	134	136	137	136	138	158	229	232	298	296	297	213	172	132	131	92
S.Reserve Total		1314	1550	1546	1544	1685	1630	1628	1764	1788	1627	1849	1877	1885	1880	1955	2454	2688	2582	2432	2269	1924	1850	1676	1625	1758	1733	1823	1810	1581	1582	1716	1646	1683	1704	1837	1649	2060	2196	2180	1885	1643	1578	1756	1855	1922	1806	1811	1876