

Daily System Generation Summary on Saturday

Saturday, December 15, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,452 MW
Distillate	0 MW
Total TNB	2,452 MW
Total IPP	16,718 MW
Total Co-Gen	65 MW
Total System	22,260 MW

Generation Mix

Type	MWh	Percentage
Hydro	9,025	2.85 %
Gas	27,494	8.67 %
Total TNB	36,519	11.51 %
ST-Coal	198,816	62.67 %
LSS	684	0.22 %
Gas	78,880	24.87 %
Total IPP	278,380	87.76 %
Co-Gen	1,682	0.53 %
Total Co-Gen	1,682	0.53 %
Total Generation	316,581	99.80 %
PLTG	51	0.02 %
HVDC	-692	-0.22 %
Interconnection	-641	-0.20 %
Net Energy	317,222	100.00 %

Maximum Demand Record

Date: 8/15/2018	18,338 MW
Date: 8/15/2018	388,524 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	16,515 MW
TNB Generation	2,188 MW
IPP Generation	12,817 MW
Spinning Reserve	1,447 MW
Maximum Demand	15,113 MW
Net Energy	317,222 MWH
Load Factor	87.46 %

Fuel Cost

Total Cost:	60,208,293.24 RM
Cost per Unit	19.62 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	509
Hydro	243
Syncon	991
Thermal	250
Total	1,993

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	48
TJGS	152
Total TNB	200
CBPS	50
KLPP	71
NPRI	143
PGLA	104
PLPS	46
SGB3	35
SGRI	1
SKSP	45
YPKA	0
Total IPP	494
Total Gas	694
Total Gas Required	694

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	13037	12553	12042	11763	11436	11414	11439	11455	11445	12575	13493	13978	13959	13736	13988	14047	14085	13897	13585	14529	15113	14828	14392	14080

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, December 27, 2018 8:54:21 AM

(Ir. Shanmugam Thoppalan)
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																								
JMAH	U001	695	692	691	693	692	692	693	692	655	599	622	625	642	695	663	629	647	689	695	692	692	691	694	692	693	691	694	693	693	693	691	692	691	693	694	692	691	691	691	693	689	694						
JMJD	U001	670	668	669	668	667	671	671	670	668	668	670	671	667	668	668	670	667	670	668	664	668	668	672	667	670	670	668	673	670	670	664	671	667	669	670	670	667	666	667	672	669	672	671	668	669	666	666	670
JMJD	U002	670	667	667	672	672	677	670	668	668	671	673	669	671	672	674	666	672	675	673	671	671	672	668	667	675	678	672	673	669	673	671	674	671	673	669	671	636	668	660	677	667	683	671	670	674	672	676	673
JMJD	U003	668	659	665	663	663	662	660	662	666	661	663	657	668	657	663	662	662	662	667	658	663	662	666	662	662	662	661	666	663	660	666	660	663	662	662	663	661	661	662	663	663	662	662	666	662	657		
JMJD	U004	808	782	785	785	783	785	783	785	783	785	785	785	785	782	782	785	785	788	783	805	808	930	932	933	933	934	929	933	934	933	933	933	933	933	933	969	970	971	968	970	972	972	952	867				
JMJD	U005	898	783	785	785	774	781	773	780	781	781	779	778	781	777	777	782	782	781	779	781	906	930	928	932	931	925	930	937	933	933	932	932	929	928	929	926	961	977	983	972	973	972	971	972	969	971	970	874
PKLG	U003	283	283	284	283	283	286	283	178	148	150	151	153	147	151	150	151	150	215	284	283	281	282	283	284	283	280	282	280	281	268	281	283	276	281	283	281	285	284	283	284	279	280	282	285	284	282	281	281
PKLG	U004	282	282	281	282	282	280	280	180	147	147	148	135	149	147	149	148	150	216	278	282	281	280	279	277	278	275	276	277	277	275	278	280	279	278	279	282	281	280	282	280	277	278	275	278	279	281	281	280
PKLG	U006	274	272	272	274	274	274	274	348	430	469	470	415	326	265	269	269	267	338	423	470	461	465	468	471	472	470	469	468	469	469	470	472	469	469	470	469	468	468	470	472	469	473	470	472	468	469	466	466
TBIN	U001	685	688	689	689	687	690	689	689	691	655	597	619	641	689	659	627	644	690	687	689	687	689	686	687	688	687	688	690	685	688	687	690	690	690	690	690	691	687										

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
CEND	HY01	9	9	9	9	9	9	9	9	9	9	10	10	10	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	10	10	10	10	10	10	10	9	10	10	10	10	10	9	10	10	9	9	10	10	9	9	9
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	65	65	65	64
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	64	64	64	-1
KNRG	HY01	36	36	36	36	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	37	37	37	37	37	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
KNYR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	26	-1	-1	-1	-1
KNYR	HY04	58	59	58	59	59	59	58	54	59	57	54	58	58	55	59	61	58	58	59	58	56	56	56	59
LPIA	HY01	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
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	6	6	6	6	6	6	6	6	6	7	7	7	7	9	9	9	9	9	9	9	9	10	10	10
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	20	-1	-1	22	106
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	29	20
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	20	80	80	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	31	31	31	31	51	51	51	51	51	51	51	51	51
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	51	51	51	51	51	51	51	51	51	51	51	51	51
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	17	17	17	17	17	25	25	25	17
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	25	17	17	17	17	17	17	17	25	25	25	17	17
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	17	17	17	17	25	25	25	17	17
SYPS	HY04	0	0	0	0	0	0	0	0	25	25	25	25	25	25	17	17	25	25	25	25	25	25	17	17
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	28	34	-1	-1	-1
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0	0	0	0
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	0	0	0	0
TMGR	HY04	31	34	32	34	34	34	34	29	34	33	32	34	32	34	34	33	34	34	31	34	33	34	31	33
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
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
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
UPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Total Hydro		254	259	256	259	259	211	210	200	211	233	230	237	291	276	289	277	318	364	364	368	410	412	361	354
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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	10	15	17	16	17	22	25	25	17
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	11	7	17	34	11	31	25	21	33	15
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	15	23	32	38	44	37	49	45	50	50
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	2	9	25	44	54	72	94	65	102	95	96	
PCUF	CUFG	37	37	35	37	37	37	39	38	38	37	35	39	37	39	38	39	40	38	38	37	23	24	24	23
PCUF	CUFK	40	40	39	39	40	42	41	41	41	40	39	40	41	39	39	38	40	40	41	40	41	39	40	41
Total Co-Gen		77	77	74	76	77	79	80	79	79	77	74	79	78	76	78	76	79	80	79	78	77	60	63	63
Total Gen		13039	12777	12517	12338	12013	11894	11735	11578	11424	11398	11371	11290	11364	11486	11413	11198	11369	12119	12534	12977	13404	13820	13969	14084
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	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		48	-47	10	-41	16	-31	17	-19	33	5	3	5	-31	36	3	52	-31	-17	4	-9	-44	21	36	19
Interconnection		18	-77	-20	-69	-13	-60	-12	-48	4	-25	-27	-24	-59	7	-26	24	-60	-46	-25	-38	-73	-8	7	-10
System Total		13037	12870	12553	12423	12042	11970	11763	11642	11436	11439	11414	11330	11439	11495	11455	11190	11445	12181	12575	13031	13493	13844	13978	14110
SRev ST-Coal		194	351	307	297	337	317	330	316	465	639	633	694	629	458	563	687	627	435	389	339	368	272	276	273

Daily MW Generation on Saturday

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