

Daily System Generation Summary on Saturday

Saturday, October 12, 2019

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,189 MW
Distillate	0 MW
Total TNB	2,189 MW
Total IPP	12,759 MW
Total Co-Gen	0 MW
Total System	17,245 MW

Generation Mix

Type	MWh	Percentage
Hydro	18,900	5.51 %
Gas	44,963	13.12 %
Total TNB	63,863	18.63 %
ST-Coal	141,407	41.26 %
ST-Gas	5,329	1.55 %
ST-Oil	3,410	0.99 %
LSS	2,354	0.69 %
Gas	125,107	36.50 %
Total IPP	277,607	80.99 %
Co-Gen	1,416	0.41 %
Total Co-Gen	1,416	0.41 %
Total Generation	342,886	100.04 %
PLTG	-262	-0.08 %
HVDC	387	0.11 %
Interconnection	125	0.04 %
Net Energy	342,761	100.00 %

Maximum Demand Record

Date: 4/18/2019	18,566 MW
Date: 4/18/2019	391,845 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	19:30:00 Hour
Total Set On Bus	17,007 MW
TNB Generation	3,112 MW
IPP Generation	12,562 MW
Spinning Reserve	1,275 MW
Maximum Demand	15,702 MW
Net Energy	342,761 MWH
Load Factor	90.95 %

Fuel Cost

Total Cost:	74,407,151.66 RM
Cost per Unit	21.69 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	526
Hydro	397
Syncon	659
Thermal	121
Total	1,703

Time	Weather	Temperature
Afternoon	Lightning	31
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	3
PAKA	47
PGPS	49
SRDG	7
TJGS	218
Total TNB	325
CBPS	55
KLPP	115
MPSS	58
PGLA	113
PKLG	6
PLPS	97
PTEK	2
SGB3	85
SGRI	175
SKSP	52
YPKA	93
PKLG	54
Total IPP	905
Total Gas	1,231
Total Gas Required	1,264

Alternate Fuel Usage

Station	(mmscfd)
PKLG	34
Total	34

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	14507	13789	13374	13002	12697	12455	12513	12374	12332	13661	14505	15295	15216	15025	15345	15347	15398	15043	14669	15106	15609	15460	15192	14694

Prepared By: -Select Name-

Checked By: -Select Name-

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(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Saturday

[illegible]

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		
TMGR	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		
TMGR	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		
TMGR	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		
TMGR	HY04	28	31	29	31	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	54	31	33	-1		
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	5	4	4	4	4	3	3	3	3	3	3	5	4	4	4	5	5	6		
UPIA	HY02	5	5	5	5	5	4	4	4	4	5	6	6	6	6	5	5	5	5	5	5	5	5	5	5		
Total Hydro		861	741	677	681	681	660	662	660	658	681	661	660	662	658	659	658	650	650	647	572	640	758	789	933	840	
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	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	6	9	15	19	21	23	24	26	27	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	13	20	20	28	32	40	35	16	42	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	13	22	22	33	36	36	44	34	23	44	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	13	22	29	34	40	45	50	31	34	48	
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	17	24	30	34	34	46	16	31	34	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	13	20	26	30	34	39	35	40	46	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	10	19	27	34	37	41	47	50	50	50	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	16	26	32	25	25	15	19	49	11	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	14	20	26	31	35	37	42	43	44	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	64	124	190	234	271	298	328	315	330	322	
PCUF	CUFG	22	22	22	24	23	25	24	25	25	24	24	24	25	24	25	26	24	23	23	20	20	19	20	20	19	18
PCUF	CUFK	41	40	40	41	41	41	40	40	41	41	40	41	40	40	39	39	41	41	40	41	39	35	33	34	36	
Total Co-Gen		63	62	62	65	64	66	64	65	66	65	64	65	65	64	64	65	65	64	63	61	61	58	55	53	54	
Total Gen		14307	13874	13602	13629	13419	13129	13001	12778	12659	12577	12477	12534	12571	12595	12410	12197	12325	13153	13693	14076	14532	14873	15261	15301		
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	
TIE-HVDC		-196	-195	-195	31	31	31	31	31	31	29	29	30	30	31	30	30	30	30	30	29	29	29	30	30	31	
TIE-PLTG		-1	-32	11	-7	17	-49	-29	-10	-66	-2	-4	-71	31	-18	8	-31	-34	-16	5	-54	0	20	-60	-8		
Interconnection		-197	-228	-184	24	48	-18	2	21	-35	27	25	-41	61	13	39	-2	-4	14	35	-24	30	49	-31	22		
System Total		14507	14105	13789	13608	13374	13150	13002	12760	12697	12553	12455	12578	12513	12585	12374	12202	12332	13142	13661	14103	14505	14827	15295	15282		
SRev ST-Coal		179	190	192	191	232	235	252	244	241	241	238	244	248	240	246	254	239	249	251	99	101	101	86	112		
SRev ST-Oil		-12	-12	63	45	1	-2	-2	-3	-3	-3	-4	-1	-1	16	38	38	38	37	0	0	0	0	0	0	0	
SRev OCGT-Gas		-1	-1	-1	-1	-2	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev CCGT-Gas		883	678	664	554	516	569	650	874	998	1101	1183	1122	1079	1056	1234	1460	1367	584	1063	848	622	700	385	448		
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	-14	30	29	29	29	58	57	58	-10	-10		
SRev LSS		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		2	3	3	0	1	-1	1	0	-1	0	1	0	0	1	1	0	0	1	2	4	7	10	12	11		
Syncon		850	850	850	850	850	850	850	850	850	699	850	850	850	850	850	850	850	850	699	676	611	676	489	676		
Hydro		315	285	249	245	245	242	240	242	244	372	241	242	240	244	243	244	252	252	255	481	486	433	362	430		
S.Reserve Total		2216	1993	2020	1884	1843	1958	1991	2207	2329	2410	2510	2454	2416	2390	2576	2876	2775	2003	2487	2189	1946	1910	1509	1481		