

Daily System Generation Summary on Saturday

Saturday, July 25, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,308 MW
Distillate	0 MW
Total TNB	2,308 MW
Total IPP	18,105 MW
Total Co-Gen	0 MW
Total System	22,882 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,618	5.30 %
Gas	22,425	6.74 %
Total TNB	40,043	12.04 %
ST-Coal	233,400	70.18 %
LSS	2,248	0.68 %
Gas	56,148	16.88 %
Total IPP	291,796	87.74 %
Co-Gen	397	0.12 %
Total Co-Gen	397	0.12 %
Total Generation	332,236	99.90 %
PLTG	300	0.09 %
HVDC	-624	-0.19 %
Interconnection	-324	-0.10 %
Net Energy	332,560	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	16,597 MW
TNB Generation	2,615 MW
IPP Generation	12,713 MW
Spinning Reserve	1,213 MW
Maximum Demand	15,400 MW
Net Energy	332,560 MWH
Load Factor	89.98 %

Fuel Cost

Total Cost:	48,729,305.66 RM
Cost per Unit	14.65 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	587
Hydro	302
Syncon	635
Thermal	322
Total	1,846

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	44
TJGS	122
Total TNB	167
CBPS	47
NPRI	137
PGLA	102
PLPS	2
SKSP	4
YPKA	0
Total IPP	293
Total Gas	460
Total Gas Required	460

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	14126	13582	13077	12756	12423	12233	12237	12093	11908	13186	13962	14413	14439	14272	14669	14811	14914	14674	14372	14477	15400	15215	14712	14487

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, August 04, 2020 2:57:55 PM

(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
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	36	36
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	38	38	37	37	37	37	37
KNRG	HY03	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	37	37	37	36	36	36	36	36
KNYR	HY01	97	60	98	98	99	97	96	99	96	96	98	98	99	99	57	57	99	99	99	98	98	99	97	98
KNYR	HY02	98	60	98	98	98	98	96	98	97	97	98	98	98	98	58	58	98	98	98	96	98	98	97	98
KNYR	HY04	98	61	99	99	98	98	97	98	97	97	98	98	98	98	58	58	97	97	98	98	98	98	98	98
LPIA	HY01	23	23	23	23	23	23	22	20	20	20	20	23	23	23	23	23	23	22	22	24	24	24	24	24
LPIA	HY02	23	23	23	23	23	23	20	20	20	20	20	22	22	22	22	22	22	22	22	23	23	23	23	23
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	1	1	1	1	1	2	2	3	4	4	4	4	4
PGAU	HY01	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	80	20	
PGAU	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	83	21	
PGAU	HY03	-1	-1	-1	-1	-1	-1	17	-1	-1	-1	-1	-1	-1	-1	19	18	-1	-1	-1	-1	-1	-1	-1	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	30	30	30	50	50	
SIHY	HY03	50	50	50	50	50	49	50	50	50	50	50	50	50	50	49	50	50	50	30	30	30	50	50	
SYPS	HY01	25	25	25	25	25	25	25	25	0	0	0	0	0	17	25	25	25	25	17	17	17	17	17	
SYPS	HY02	25	25	25	25	25	25	25	25	0	0	0	0	0	17	25	25	25	25	17	17	17	17	17	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	17	17	17	17	
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	
TMGR	HY02	33	34	33	33	33	33	30	33	34	34	33	33	33	32	31	32	33	33	34	33	34	33	33	
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	95	93	97	97	-1	-1	-1	-1	93	180	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	90	89	94	94	95	93	94	97	
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	
UPIA	HY02	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	
Total Hydro		567	456	569	569	569	566	582	562	571	503	511	512	512	518	396	373	497	495	710	911	785	790	936	605
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	0	1	3	6	10	13	17	19	22	24	15	26
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	16	21	27	32	35	37	35	44	44
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	10	17	23	12	19	44	36	32	40
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	12	7	19	18	10	5	8	11
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	6	7	11	20	24	32	35	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	23	16	6	1	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	7	10	13	34	33	35	36	33	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	11	15	10	38	31	38	48	32	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	11	21	27	34	36	38	41	53	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	37	28	39	31	11	39	37
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	5	24	60	101	117	166	196	231	277	272	299	340
PCUF	CUFG	4	5	2	3	2	4	4	4	3	3	2	3	3	4	3	4	5	3	4	3	2	4	3	2
PCUF	CUFK	3	3	1	4	3	4	4	3	3	3	2	2	3	4	2	5	4	3	4	4	2	4	3	1
Total Co-Gen		7	8	3	7	5	8	8	7	6	6	4	5	6	7	4	9	7	6	7	8	5	7	7	4
Total Gen		14144	13881	13609	13264	13067	12860	12724	12581	12435	12319	12259	12186	12193	12229	12116	11816	11896	12623	13172	13584	13988	14198	14355	14593
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		-29	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-28	-28	-29	0	0	0	0	-28	-28	-29	-29	-29	-29
TIE-PLTG		57	-5	68	-7	29	0	8	-51	51	71	66	50	-6	26	62	-39	-2	-4	-4	-3	64	26	-19	
Interconnection		28	-34	38	-36	1	-28	-22	-80	22	41	36	20	-34	-2	33	-39	-2	-4	-4	-3	36	-2	-48	25
System Total		14126	13926	13582	13311	13077	12898	12756	12671	12423	12288	12233	12176	12237	12241	12093	11865	11908	12637	13186	13597	13962	14210	14413	14578
SRev ST-Coal		461	481	433	460	448	450	454	461	464	561	551	562	565	553	575	575	577	456	459	452	450	380	311	316

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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