

Daily System Generation Summary on Sunday

Sunday, May 10, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,522 MW
Distillate	0 MW
Total TNB	2,522 MW
Total IPP	18,686 MW
Total Co-Gen	0 MW
Total System	24,031 MW

Generation Mix

Type	MWh	Percentage
Hydro	8,459	2.74 %
Gas	36,963	11.99 %
Total TNB	45,422	14.73 %
ST-Coal	214,126	69.44 %
LSS	1,494	0.48 %
Gas	48,769	15.82 %
Total IPP	264,389	85.74 %
Co-Gen	195	0.06 %
Total Co-Gen	195	0.06 %
Total Generation	310,006	100.53 %
PLTG	920	0.30 %
HVDC	726	0.24 %
Interconnection	1,646	0.53 %
Net Energy	308,360	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:	00:00:00 Hour
Total Set On Bus	16,484 MW
TNB Generation	2,563 MW
IPP Generation	12,032 MW
Spinning Reserve	1,881 MW
Maximum Demand	14,481 MW
Net Energy	308,360 MWH
Load Factor	88.73 %

Fuel Cost

Total Cost:	45,540,765.47 RM
Cost per Unit	14.69 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	271
Hydro	330
Syncon	1,052
Thermal	635
Total	2,288

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	209
Total TNB	259
CBPS	55
NPRI	152
SKSP	9
Total IPP	216
Total Gas	475
Total Gas Required	475

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	14481	13957	13379	12936	12652	12568	12284	11601	10999	11438	11852	12245	12374	12546	12912	12996	12888	12866	12912	13220	13776	14039	13905	13917

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 05, 2020 11:11:47 AM

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

Daily MW Generation on Sunday

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		
MNOR	HY01	4	4	4	4	4	4	4	3	3	3	3	3	2	2	2	2	2	3	5	5	5	5	6	6	6	
PGAU	HY01	20	20	20	20	20	20	20	20	20	20	20	21	21	20	21	21	20	21	21	21	21	20	21	20	20	
PGAU	HY02	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	
PGAU	HY03	-1	-1	-1	18	17	18	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	19	-1	-1	
SIHY	HY01	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	31	31	49	30	30	
SIHY	HY02	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	30	30	
SIHY	HY03	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY01	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	25	25	17	
SYPS	HY02	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	17	
SYPS	HY03	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	17	
SYPS	HY04	17	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	HY01	41	41	56	49	42	43	43	43	46	52	31	31	33	33	33	33	33	33	33	33	33	33	33	33	33	
TMGR	HY03	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	31	0	-1	
TMGR	HY04	41	41	57	81	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	29	31	-1	
UJLI	HY01	93	-1	-1	135	-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	0	0	0	-1	-1	-1	-1	-1	-1	-1	
UPIA	HY01	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	3	
Total Hydro		866	509	435	816	451	386	236	237	236	273	235	303	283	196	219	202	203	217	209	213	215	238	214	214	237	
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	1	1	2	1	1	2	23	9	7	4	2	1	0	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	4	11	18	19	30	35	34	28	13	17	25	11	7	4	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	4	5	16	34	24	23	30	16	28	37	29	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	3	9	11	13	7	14	26	18	22	23	10	15	21	8	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	1	3	6	10	15	24	31	28	28	28	19	26	39	12	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	2	10	22	28	28	29	38	25	33	26	38	21	17	9	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	1	5	5	10	20	23	18	34	28	19	17	19	35	14	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	4	9	16	17	26	20	9	25	14	14	14	14	35	22	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	9	10	5	4	4	5	7	16	18	19	18	27	8	10	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	1	5	7	15	18	29	32	35	38	34	26	34	41	34	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	23	54	84	117	158	196	211	230	222	207	196	204	210	164	
PCUF	CUFG	3	3	3	3	3	5	4	4	3	3	4	4	3	4	3	2	4	4	3	4	3	4	3	4	3	4
PCUF	CUFK	5	4	5	5	5	6	7	5	5	6	4	5	5	4	6	5	5	5	6	6	6	5	4	5	4	5
Total Co-Gen		8	7	8	8	8	9	12	9	9	7	8	9	7	6	7	6	7	9	7	9	7	6	9	9	10	9
Total Gen		14603	14243	14036	13747	13430	13174	13001	12818	12754	12741	12644	12348	12334	12105	11681	11082	11049	11259	11541	11680	11929	12136	12301	12305	12435	
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
TIE-HVDC		31	31	31	31	31	31	31	30	30	30	30	29	29	30	30	30	30	30	30	30	30	30	31	31	31	
TIE-PLTG		94	83	51	104	24	29	38	43	76	-5	50	17	24	32	54	-20	23	49	76	59	51	28	29	-7	34	
Interconnection		125	114	82	135	55	60	69	73	106	26	80	47	54	61	84	10	53	79	106	90	80	57	59	23	65	
System Total		14481	14132	13957	13615	13379	13118	12936	12749	12652	12719	12568	12305	12284	12048	11601	11076	10999	11183	11438	11593	11852	12082	12245	12285	12374	
SRev ST-Coal		608	611	696	720	665	749	734	758	749	760	781	793	797	798	790	979	978	886	826	796	789	798	794	801	772	
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
SRev CCGT-Gas		77	79	58	105	131	83	89	100	119	58	105	92	91	188	299	578	664	640	555	530	328	298	390	366	302	
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
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	0
SRev Co-Gen		10	11	10	10	10	9	6	9	9	9	11	10	9	10	11	8	9	11	10	11	12	11	9	9	11	12
Syncon		741	928	878	552	952	952	1305	1305	1305	1305	1204	1154	1305	1154	1305	1305	1305	1305	1305	1305	1305	1305	1305	1305	1305	1305

Daily MW Generation on Sunday

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	
Hydro		446	366	390	422	386	451	248	247	248	211	249	282	352	288	416	282	282	268	276	272	270	399	272	272	399	272	264	270	254	334	465	337	299	429	299	296	295	336	335	456	336	270	610	331	301	300	297	404
S.Reserve Total		1882	1995	2032	1809	2144	2244	2382	2419	2430	2343	2451	2381	2403	2589	2670	3152	3238	3110	2972	2914	2704	2473	2583	2566	2451	2397	2545	2411	2327	2266	2245	2151	2501	2509	2531	2483	2793	2669	2671	2643	2320	2124	1873	1913	2115	2132	2130	2253