

Daily System Generation Summary on Sunday

Sunday, May 03, 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	19,686 MW
Total Co-Gen	0 MW
Total System	25,031 MW

Generation Mix

Type	MWh	Percentage
Hydro	11,082	3.92 %
Gas	35,847	12.67 %
Total TNB	46,929	16.58 %
ST-Coal	183,856	64.97 %
LSS	2,418	0.85 %
Gas	48,571	17.16 %
Total IPP	234,845	82.99 %
Co-Gen	204	0.07 %
Total Co-Gen	204	0.07 %
Total Generation	281,978	99.65 %
PLTG	-307	-0.11 %
HVDC	-697	-0.25 %
Interconnection	-1,004	-0.35 %
Net Energy	282,982	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:	22:30:00 Hour
Total Set On Bus	15,131 MW
TNB Generation	2,750 MW
IPP Generation	10,633 MW
Spinning Reserve	1,741 MW
Maximum Demand	13,458 MW
Net Energy	282,982 MWH
Load Factor	87.61 %

Fuel Cost

Total Cost:	43,772,075.69 RM
Cost per Unit	15.53 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	223
Hydro	342
Syncon	964
Thermal	846
Total	2,375

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	201
Total TNB	251
CBPS	52
NPRI	151
SKSP	14
Total IPP	217
Total Gas	468
Total Gas Required	468

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	13201	12552	12040	11577	11324	11239	11037	10459	10031	10287	10598	10918	11119	11356	11685	11858	11899	11969	12106	12425	13117	13356	13399	13298

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 05, 2020 9:35:24 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
JMAH	U002	690	697	694	693	694	691	693	693	694	696	694	694	691	694	695	693	695	689	695	698	693	694	693	695	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	695	693	694	69

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
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	49	49	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	50	50	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
SIHY	HY03	50	50	30	50	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
SYPS	HY01	25	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	25	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	25	18	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
SYPS	HY04	25	25	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	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	-1
TMGR	HY03	29	30	30	28	30	30	28	30	30	28	29	30	26	29	30	35	35	35	35	35	35	35	35	35
TMGR	HY04	-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	HY01	87	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	98	148	102	97	97	-1	-1
UJLI	HY02	89	-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	0	0	0	0	0	0	3	3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
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		687	488	379	378	503	538	535	540	560	602	585	466	445	433	253	197	207	229	207	207	225	205	204	205
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	0	0	0	0	0	0	0	0	0	0	0
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total 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
PCUF	CUFG	3	5	3	3	3	3	4	4	3	3	4	4	3	5	4	4	4	4	4	4	4	4	4	4
PCUF	CUFK	5	6	6	4	5	6	5	4	4	6	4	5	4	5	4	5	5	4	5	5	6	8	5	6
Total Co-Gen		8	11	9	7	8	9	8	8	8	9	7	9	8	8	6	12	6	8	11	9	9	7	10	8
Total Gen		13117	12718	12514	12205	12000	11685	11541	11444	11287	11411	11229	11068	10992	10849	10444	9966	9978	10102	10189	10386	10567	10756	10853	11002
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	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-51	-68	-4	9	-7	4	-4	-13	-4	-16	23	9	-13	15	16	-30	-22	-9	-67	-21	2	-40	-32	-47
Interconnection		-80	-97	-34	-21	-37	-25	-33	-42	-33	-45	-6	-20	-42	-14	-12	-58	-50	-37	-95	-51	-27	-69	-61	-76
System Total		13201	12819	12552	12229	12040	11713	11577	11490	11324	11460	11239	11091	11037	10866	10459	10027	10031	10142	10287	10441	10598	10829	10918	11081
SRev ST-Coal		678	732	746	771	907	904	908	906	902	898	911	906	909	902	903	910	906	905	902	901	901	902	904	922
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		88	66	65	100	122	204	247	139	310	167	327	374	429	539	755	1204	1232	1171	1111	932	822	678	600	409
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 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
SRev Co-Gen		10	7	9	11	10	9	10	10	10	9	11	9	10	10	12	6	12	10	7	9	9	11	8	10
Syncon		829	1016	1153	1203	1102	1102	1102	1102	951	1102	1102	951	1102	1102	1203	1304	1304	1153	1304	1203	1052	1203	1203	1203
Hydro		501	513	485	337	313	278	281	275	406	213	230	351	216	228	307	262	252	388	259	259	397	266	267	267
S.Reserve Total		2106	2334	2458	2422	2454	2497	2548	2432	2579	2389	2581	2616	2671	2786	3210	3691	3711	3632	3588	3309	3181	3060	2982	2811