

Daily System Generation Summary on Tuesday

Tuesday, January 4, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,538 MW
Distillate	0 MW
Total TNB	2,538 MW
Total IPP	17,242 MW
Total Co-Gen	0 MW
Total System	23,223 MW

Generation Mix

Type	MWh	Percentage
Hydro	25,871	7.43 %
Gas	45,480	13.07 %
Total TNB	71,351	20.50 %
ST-Coal	196,608	56.49 %
LSS	2,719	0.78 %
Gas	74,907	21.52 %
Total IPP	274,234	78.79 %
Co-Gen	1,252	0.36 %
Total Co-Gen	1,252	0.36 %
Total Generation	346,837	99.65 %
PLTG	-522	-0.15 %
EGAT	6	0.00 %
HVDC	-699	-0.20 %
Interconnection	-1,215	-0.35 %
Net Energy	348,052	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:	16:00:00 Hour
Total Set On Bus	17,981 MW
TNB Generation	3,844 MW
IPP Generation	12,695 MW
Spinning Reserve	1,389 MW
Maximum Demand	16,671 MW
Net Energy	348,052 MWH
Load Factor	86.99 %

Fuel Cost

Total Cost:	79,481,926.60 RM
Cost per Unit	22.91 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	563
Hydro	395
Syncon	346
Thermal	441
Total	1,745

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	41
TJGS	108
Total TNB	149
CBPS	55
NPRI	152
PGLA	112
Total IPP	319
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	13424	12868	12399	12063	11887	11790	11908	12398	12968	14536	15288	15814	15772	15724	16286	16523	16671	16296	15349	15321	16141	15915	15221	14834

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, February 3, 2022 5:01:18 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Tuesday

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	HY03	22	23	22	23	23	33	34	34	34	34	34	34	34	34	34	34	34	34	34	21	22	21	21	21
KNYR	HY01	95	98	98	98	98	84	74	86	65	94	64	68	85	77	65	100	101	96	63	72	91	81	61	86
KNYR	HY02	95	99	98	99	99	99	100	60	-1	-1	-1	-1	-1	-1	101	101	99	99	99	101	101	97	99	101
KNYR	HY03	90	94	93	93	94	94	94	-1	-1	-1	-1	-1	-1	-1	-1	100	99	99	101	101	97	100	101	89
KNYR	HY04	58	86	64	99	99	93	98	99	73	85	64	84	60	70	90	78	65	93	97	85	59	73	85	87
LPIA	HY01	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	22	22	22	22	22	22
LPIA	HY02	24	24	24	22	22	22	22	22	22	22	22	22	22	22	22	22	22	23	23	23	21	21	21	21
MNOR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	3	3	4	4	4
PGAU	HY01	111	111	111	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	81	81	85	148	149	148	149	19
PGAU	HY03	110	111	111	22	0	0	0	0	0	0	0	0	0	21	21	21	81	82	82	82	149	148	148	111
PGAU	HY04	109	110	109	109	0	0	0	0	0	0	0	0	0	21	21	81	80	80	81	149	148	148	110	21
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	48	47	48
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	50	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	50	50
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17
TMGR	HY01	82	84	85	84	84	34	0	0	0	0	0	0	0	85	85	85	85	86	85	85	86	86	86	85
TMGR	HY02	43	44	44	83	50	56	72	72	54	65	44	36	0	0	0	87	87	87	87	86	87	87	87	86
TMGR	HY03	78	80	80	80	0	0	0	0	0	0	0	0	0	0	85	85	85	85	85	81	85	78	78	80
TMGR	HY04	40	42	41	78	47	54	69	80	50	61	41	69	40	43	64	55	41	74	84	72	45	89	64	56
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	92	93	89	93	93	93	81	92	92
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	5	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		1136	1177	1150	1060	786	742	756	684	570	554	481	550	453	415	473	444	494	892	915	1115	1018	1197	1224	1208
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	4	6	9	12	20	21	23	26	27	20
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	14	19	15	17	22	15	30	23
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	11	16	21	26	19	21	32	32	21
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	17	14	11	38	40	43	41	34	45
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	6	4	7	7	14	8	18	13	19	25
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	10	17	25	31	35	23	28	44	50	23	22
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	11	10	12	20	18	20	19	16
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	13	13	16	20	37	28	47	15
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	16	22	25	26	35	38	43	46	33
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	11	16	19	21	23	22	29	30	13
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	19	17	31	50	24	27	40	26	28
SSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	12	20	28	31	34	35	43	42	42
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	6	11	8	12	11	29	24	11	14
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5	7	4	10	14	22	16	30	30
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	1	22	74	154	199	239	323	325	370	428	410
PCUF	CUFG	25	27	26	27	28	25	29	27	27	28	27	28	23	25	26	23	23	27	23	22	26	25	24	24
PCUF	CUFK	27	26	27	27	28	25	26	25	26	26	28	27	26	26	25	27	26	26	25	27	26	26	27	27
Total Co-Gen		52	53	53	54	56	50	55	52	53	54	55	55	49	50	54	55	54	52	54	51	50	50	51	50
Total Gen		13360	13060	12834	12545	12293	12209	12004	11924	11819	11807	11741	11835	11904	12166	12315	12479	12886	13748	14423	14887	15257	15525	15750	15932

Daily MW Generation on Tuesday

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