

Daily System Generation Summary on Tuesday

Tuesday, October 31, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,194 MW
Distillate	0 MW
Total TNB	2,194 MW
Total IPP	17,513 MW
Total Co-Gen	0 MW
Total System	23,709 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,511	4.59 %
Gas	57,004	14.95 %
Total TNB	74,515	19.54 %
ST-Coal	218,392	57.28 %
LSS	7,134	1.87 %
Gas	81,165	21.29 %
Total IPP	306,691	80.44 %
Co-Gen	-424	-0.11 %
Total Co-Gen	-424	-0.11 %
Total Generation	380,782	99.87 %
PLTG	-4	0.00 %
HVDC	-499	-0.13 %
Interconnection	-503	-0.13 %
Net Energy	381,285	100.00 %

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,434 MW
TNB Generation	4,492 MW
IPP Generation	13,855 MW
Spinning Reserve	1,124 MW
Maximum Demand	18,331 MW
Net Energy	381,285 MWH
Load Factor	86.67 %

Fuel Cost

Total Cost:	86,676,157.15 RM
Cost per Unit	22.69 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	749
Hydro	449
Syncon	569
Thermal	202
Total	1,969

Time	Weather	Temperature
Afternoon	Thunder St	28
Morning	Rainy	26

Gas Usage

Station	(mmscfd)
GLGR	33
TJGS	169
Total TNB	202
CBPS	43
EMPP	265
NPRI	133
PCGP	81
SPGP	181
Total IPP	704
Total Gas	907
Total Gas Required	907

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	15318	14582	14044	13665	13238	13157	13539	13389	13838	15529	16321	16791	16792	16761	17427	18014	18269	17990	16927	17169	17544	17382	16806	16328

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, November 1, 2023 8:47:05 AM
(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											
JMAH	U001	695	692	696	696	696	697	695	694	696	696	696	695	695	696	695	696	696	696	697	694	701	696	690	697	696	696	695	696	695	695	698	696	696		
JMAH	U002	688	696	698	694	690	695	695	696	696	695	695	695	695	695	699	696	696	695	696	695	696	695	699	698	696	699	693	693	696	692	695	698			
JMHE	U002	978	972	957	900	903	899	901	852	846	849	850	851	847	852	850	849	934	965	976	977	977	978	979	976	981	978	976	974	977	975	978	974	969	969	
JMJG	U001	604	596	593	623	623	629	631	632	629	626	633	629	629	626	623	600	596	596	602	593	601	604	594	594	596	598	596	604	596	649	670	664	668	666	
JMJG	U002	640	652	632	634	645	639	640	643	637	635	640	640	640	635	634	632	647	647	637	645	637	640	641	639	639	637	643	634	643	638	640	636	644	637	
JMJG	U003	686	678	673	678	674	677	676	684	679	674	675	679	677	673	678	677	673	673	678	673	680	679	675	677	677	678	677	681	679	681	679	677	675	679	677
JMJG	U004	881	881	883	843	849	849	849	849	846	848	847	848	851	846	848	848	847	848	847	845	848	848	850	850	846	846	845	847	848	846	849	846	846	848	848
JMJG	U005	980	977	977	899	901	898	902	847	853	853	853	849	854	853	850	849	901	978	975	979	980	979	979	979	979	978	977	979	979	978	980	978	981	979	978
PKLG	U003	276	276	277	278	275	277	274	277	221	204	206	209	257	272	276	275	275	274	277	276	275	275	274	276	276	273	275	277	275	255	249	249	250	249	250
PKLG	U004	276	276	276	275	274	274	273	274	232	204	203	204	240	279	277	275	275	272	274	275	280	272	277	276	275	273	273	272	273	272	276	278	278	259	230
PKLG	U005	470	470	470	470	470	470	470	258	224	256	246	236	261	229	304	348	450	450	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470
TBIN	U001	689	687	689	683	688	691	685	689	691	687	689	687	689	689	687	687	693	689	688	690	687	691	686	687	689	691	686	692	689	689	689	690	688	690	
TBIN	U002	689	689	689	688	689	689	689	688	688	689	689	688	689	688	689	689	688	689	688	689	688	688	688	688	689	685	688	688	689	691	688	687	687	689	
TBIN	U003	685	686	685	686	687	687	685	684	685	685	685	684	686	683	687	685	685	685	686	685	684	686	685	684	682	686	687	683	685	685	685	687	686	685	
Total ST-Coal		9237	9228	9195	9047	9064	9071	9065	8980	8657	8568	8617	8605	8682	8752	8720	8784	8959	9157	9167	9199	9190	9197	9199	9186	9190	9183	9190	9174	9202	9189	9243	9275	9243	9225	
Total ST-Oil		0	0	0	0	0	0	0	0	0	0	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 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	0	0	0	0	0	0	0	0	
CBPS	BLK2	210	209	204	210	211	205	210	211	208	212	211	214	218	217	210	212	212	212	211	211	210	212	211	206	212	211	219	221	372	371	372	373	371	367	
EMPP	BLK1	576	422	404	410	409	407	408	415	410	375	375	375	385	382	378	375	410	417	519	586	694	712	710	714	710	650	709	723	718	710	708	710	710	716	
EMPP	BLK2	574	428	403	410	409	406	409	415	410	380	380	380	389	388	382	380	410	418	521	585	694	713	710	710	711	650	711	723	717	711	708	710	699	716	
EMPP	BLK3	573	424	403	411	410	407	409	416	410	380	380	379	389	388	382	380	411	417	520	585	695	712	710	714	710	649	710	723	718	710	709	710	709	700	
GLGR	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GLGR	GT02	95	94	95	94	93	94	94	94	95	95	94	94	94	95	95	94	94	95	94	94	94	94	94	94	94	94	94	94	94	94	95	94	94	94	
GLGR	ST1C	42	41	41	41	42	41	41	42	42	42	42	41	41	40	41	40	41	42	42	42	42	42	42	42	42	42	42	42	42	42	42	43	42	42	
NPRI	BLK1	318	317	308	315	317	309	317	317	314	318	319	319	328	326	314	320	319	318	319	317	317	394	396	396	395	319	317	449	520	517	521	521	518	529	
NPRI	BLK2	329	328	319	328	329	323	329	329	326	329	329	331	351	348	325	329	329	335	331	331	331	334	409	444	338	320	320	497	513	529	529	529	530	538	523
PCGP	PGRG	600	599	582	447	398	397	403	398	397	401	402	405	418	418	400	401	402	453	607	601	602	600	604	602	600	603	602	624	617	602	601	603	605	618	
SPGP	BLK1	719	716	708	717	597	490	360	357	353	361	361	362	419	458	446	402	408	718	716	718	716	717	716	708	710	719	719	714	710	715	707	715	719	705	
SPGP	BLK2	716	713	705	713	598	492	361	362	363	361	362	403	451	451	402	399	678	712	715	712	710	711	709	699	703	719	714	705	704	706	701	708	714	699	
TJGS	GT1A	125	124	123	126	125	128	126	127	128	126	127	125	128	124	126	125	126	127	126	125	125	125	127	125	126	124	125	130	125	225	224	224	222	224	
TJGS	GT1B	115	116	113	119	113	119	114	120	120	117	115	109	118	117	112	120	112	116	114	114	114	119	118	115	115	112	110	120	118	213	211	206	209	208	
TJGS	ST1C	165	165	163	165	164	160	164	165	164	165	165	165	166	165	164	164	164	164	165	165	165	166	166	166	166	166	167	166	244	250	251	251	252	251	
TJGS	GT2A	131	132	132	132	131	132	131	131	132	133	132	132	132	131	131	131	131	131	131	131	131	130	131	131	132	132	132	132	132	132	147	176	217	216	
TJGS	GT2B	130	130	129	129	126	129	129	129	129	129	130	130	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	144	174	215	214	214	214	
TJGS	ST2C	190	190	190	189	190	190	190	190	189	189	189	189	189	189	189	189	189	189	189	190	190	190	190	190	190	190	190	190	190	195	216	250	250	250	
Total CCGT-Gas		5608	5148	5022	4956	4662	4429	4195	4218	4190	4114	4113	4112	4297	4367	4275	4193	4278	4959	5448	5639	5965	6094	6173	6208	6070	5805	6007	6395	6439	6869	6955	7062	7067	7121	
Total 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	
BSIA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17		
BSIA	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23		
BSIA	HY03	11	11	11	11	11	11	11	11	12	11	12	11	12	24	23	23	23	24	24	23	23	23	23	23	23	24	23	24	23	24	23	24	23	23	
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
HTRG	HY01	0	0	0</																																

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	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY02	38	38	38	38	38	37	38	38	38	38	24	24	23	23	23	23	24	23	38	24	23	38	37	38	37
KNRG	HY03	38	38	38	38	38	38	38	38	38	38	20	20	21	21	21	21	21	21	38	20	20	38	38	38	38
KNYR	HY01	58	58	57	59	57	55	58	58	57	60	58	59	94	94	94	94	94	94	93	93	93	93	93	93	93
KNYR	HY02	60	60	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	94	93	93	93	93	93	93	93
KNYR	HY03	53	0	0	0	0	0	55	52	51	50	50	98	98	54	49	50	51	51	52	52	51	51	51	49	50
KNYR	HY04	58	59	57	59	58	56	58	58	57	61	59	59	62	62	60	59	60	61	61	61	61	60	60	60	59
LPIA	HY01	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	21	21	21	21	21	21	21	21	21
LPIA	HY02	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY01	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	24	23	
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	110	110	151	151	151	
PGAU	HY04	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	18	27	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	
TMGR	HY01	-1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	79	79	42	
TMGR	HY02	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	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	35	35	
TMGR	HY04	42	41	40	41	46	41	56	42	42	44	63	82	82	43	42	53	42	43	41	42	43	42	42	82	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	183	183	184	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	102	185	184	186	186	
UPIA	HY02	5	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		431	380	335	319	322	312	333	374	368	377	368	392	499	499	356	350	352	367	356	358	401	509	529	618	
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	1	3	6	11	16	18	21	22	24	24	26	25	
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	3	8	12	13	20	19	20	14	19	15	15	15	
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	16	17	18	25	29	32	34	35	34	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	15	23	23	33	27	14	12	8	35	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	18	24	29	34	23	25	42	21	25	8	
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	7	10	14	18	21	14	9	23	30	30	29	26	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	9	20	24	28	38	36	42	49	50	15	50	
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	3	7	10	20	20	21	26	29	30	32	16	17	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	10	18	17	28	34	31	48	35	43	46	
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	7	25	40	48	43	51	83	79	87	91	91	87	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	5	15	21	27	23	36	38	28	45	45	42	44	
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	3	9	14	17	15	19	29	27	30	31	31	30	
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	4	24	37	53	67	77	79	71	89	63	100	100	
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	1	4	12	15	19	18	23	27	30	19	30	30	
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	10	20	25	15	22	25	17	16	16	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	4	11	18	24	27	33	38	46	48	50	34	51	
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	19	51	75	82	86	77	88	89	91	93	76	95	
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	15	46	61	87	69	89	55	64	105	105	60	107	
SNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	3	9	21	25	32	31	37	47	39	41	40	40	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	16	23	29	36	41	43	46	35	49	43	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	1	8	16	22	28	34	38	39	39	29	48	44	29	

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																								
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	13	17	20	16	20	14	28	10	13	13	16	10	24	11	15	14	10	5	2	0	0	0	0	0	0	0	0						
TBLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	16	29	32	18	38	37	39	38	37	39	37	37	38	36	35	25	20	11	3	1	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	45	199	399	559	710	743	816	872	924	935	977	918	989	943	939	707	590	580	442	368	234	155	86	75	75	0	0	0	0	0	0	0	0	0	0	
ESTL	ESTL	-2	0	-4	0	0	0	-3	0	-7	0	0	0	0	0	0	0	-1	0	0	-1	0	-2	0	0	0	0	-2	-3	-6	-4	-6	-11	0	0	-1	0	-6	0	-8	-12	0	-12	-2	-9	-16			
KHTC	BLK1	-33	-33	-28	-32	-30	-30	-28	-27	-30	-27	-26	-25	-27	-28	-29	-31	-34	-39	-42	-42	-44	-47	-48	-52	-51	-54	-55	-56	-59	-60	-65	-60	-57	-50	-47	-44	-47	-43	-39	-38	-51	-87	-86	-85	-85	-88		
PCUF	CUFG	25	22	22	23	22	23	23	23	22	22	23	22	22	23	22	20	20	17	18	16	15	17	16	17	18	17	17	17	19	19	18	18	18	19	18	19	18	18	16	16	15	17	16	17	17	18		
PCUF	CUFK	4	2	3	3	0	2	28	30	29	30	29	28	29	29	30	4	3	3	4	3	2	2	4	4	4	2	3	3	1	3	2	3	3	2	1	2	3	3	3	1	2	2	3	1	0	3		
PFTZ	PFTZ	0	0	0	2	2	2	2	2	2	2	2	3	4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
Total Co-Gen		-6	-9	-7	-4	-6	-3	22	28	16	27	27	26	28	27	27	22	23	-9	-14	-20	-19	-20	-26	-25	-30	-26	-28	-32	-32	-37	-39	-45	-39	-37	-35	-21	-20	-22	-17	-19	-14	-37	-77	-62	-73	-64	-72	-78
Total Gen		15270	14747	14545	14318	14042	13809	13615	13600	13231	13086	13125	13135	13506	13645	13378	13394	13811	14873	15516	15886	16280	16596	16747	16911	16780	16630	16744	17360	17433	17888	17976	18142	18217	18310	18004	17447	16932	16665	17089	17633	17514	17500	17356	17162	16782	16574	16301	15863
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	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	-28	-31	-30	-29	-28	-29	-29	-31	-28	-30	-29	-29	-31	-30	-29	-29	-28	-29	-29	-31	-28	292	29	-31	-31	0	-29	-29	-29	-29	-29	-29	-27	-31	-28	-28	-31	-30	-28	-29	-31	-31			
TIE-PLTG		-19	4	-7	4	29	-3	-21	0	21	-6	-1	-28	-3	-1	19	-18	2	27	18	4	-12	-12	-16	23	16	6	12	-19	-24	16	-8	-45	-24	8	43	42	34	-28	-52	-6	-2	3	4	6	5	-5	4	3
Interconnection		-48	-25	-37	-24	-2	-33	-50	-28	-7	-34	-32	-57	-33	-29	-11	-48	-27	-2	-13	-27	-41	-41	-44	-6	-12	-24	-17	273	6	-14	-38	-45	-52	-21	14	13	5	-57	-80	-37	-30	-25	-26	-24	-24	-34	-27	-28
System Total		15318	14772	14582	14342	14044	13842	13665	13628	13238	13120	13157	13192	13539	13674	13389	13442	13838	14875	15529	15913	16321	16637	16791	16917	16792	16654	16761	17087	17427	17902	18014	18187	18269	18331	17990	17434	16927	16722	17169	17670	17544	17525	17382	17186	16806	16608	16328	15891
SRev ST-Coal		234	243	276	423	357	347	356	340	498	556	541	539	450	412	407	416	387	264	254	222	231	224	222	235	231	238	231	247	219	232	178	146	178	196	246	243	234	240	220	230	194	146	170	169	162	165	165	150
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	
SRev CCGT-Gas		1701	2161	2287	2353	2647	2880	3114	3091	3119	3195	3196	3197	3012	2942	3034	3116	3031	2350	1861	1670	1344	1215	1136	1101	1239	1504	1302	914	870	440	354	247	242	188	336	700	443	783	257	337	333	218	340	409	704	933	1205	1378
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	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		1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	-1	0	-1	-1	0	0	0	0	-1	0	0	0	0	0	-2	0	0	0	2	-1	0	0	0	0	0	0	0	0	0	-3	-1	1
Syncon		890	802	840	991	991	991	991	991	991	991	991	991	840	840	991	991	991	991	991	991	840	890	890	890	890	890	890	703	703	703	516	365	390	302	302	151	390	516	516	0	214	126	88	365	365	365	277	890
Hydro		262	214	308	173	170	180	159	220	226	217	226	202	246	246	238	244	242	227	238	236	369	211	211	252	255	179	213	223	176	129	261	262	331	351	387	614	638	517	633	498	813	756	839	615	459	444	438	101
S.Reserve Total		3175	3595	3798	4027	4252	4485	4707	4729	4922	5046	5041	5016	4635	4527	4757	4854	4737	3919	3430	3205	2871	2627	2546	2565	2701	2898	2723	2174	2055	1591	1394	1107	1228	1124	1360	1794	1792	2143	1713	1065	1554	1333	1437	1558	1777	1991	2258	2607