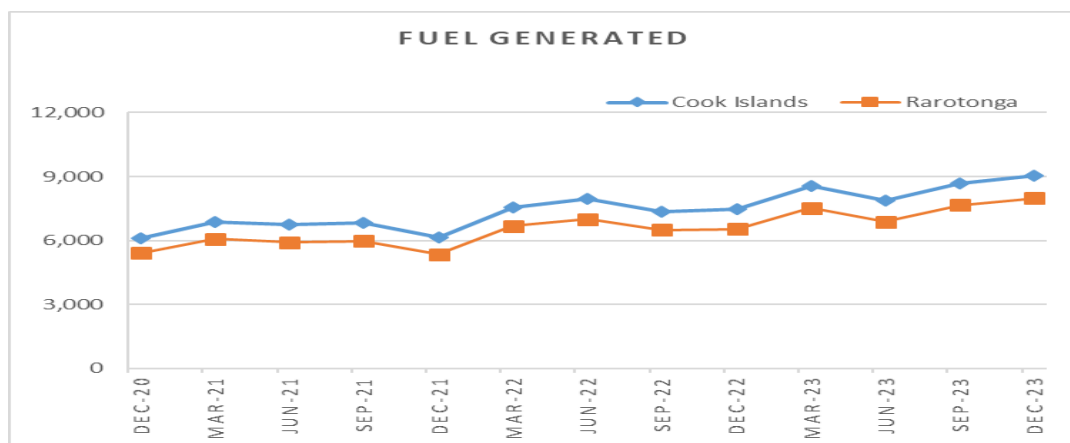


MINISTRY OF FINANCE AND ECONOMIC MANAGEMENT
GOVERNMENT OF THE COOK ISLANDS
COOK ISLANDS
STATISTICAL BULLETIN

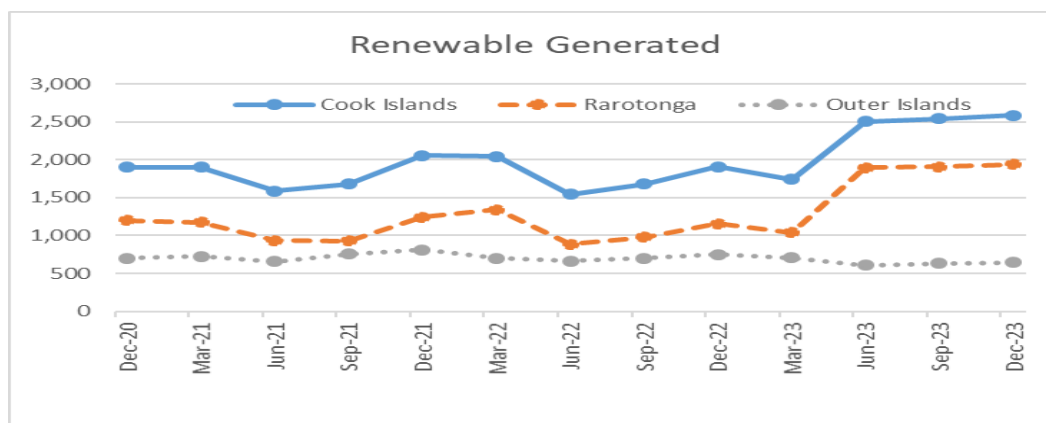
ENERGY STATISTICS
December Quarter 2023

Electricity Generated - Total electricity generated in the Cook Islands was recorded at 9.0 million kWh, and 2.6 million kWh were generated from renewable energy for the December quarter 2023.

Of the total electricity generated 88.4 per cent was consumed on Rarotonga, and the remaining 11.6 per cent consumed in the Outer Islands.



Of the total renewable energy generated 75.0 per cent was consumed on Rarotonga, and the remaining 25.0 per cent consumed in the outer islands.



Further information about this release can be obtained from the Statistics Office.

Taggy Tangimetua
Government Statistician
March 2024

Table 1
Electricity Generated

Quarterly		Cook Islands	Rarotonga	Aitutaki	Atiu	Mauke	Mangaia	Mitiaro	Penrhyn	Rakahanga	Manihiki	Palmerston ¹	Pukapuka ²
		Electricity (kwh '000)											
2014	Mar	8,335	6,976	935	116	57	106	23	31	16	60	11	4
	Jun	7,883	6,587	889	102	56	114	23	13	18	64	12	5
	Sep	7,503	6,213	876	96	63	111	25	15	17	74	10	3
	Dec	7,473	6,110	935	100	78	114	24	14	14	70	10	4
2015	Mar	7,980	6,556	985	97	62	115	20	32	18	68	13	14
	Jun	7,474	6,132	898	96	65	108	24	40	20	56	14	21
	Sep	6,999	5,734	845	87	56	113	22	37	19	56	11	19
	Dec	7,468	6,056	943	93	60	122	23	40	24	73	11	23
2016	Mar	7,727	6,304	968	99	58	124	22	31	22	63	11	25
	Jun	8,183	6,827	907	94	55	112	22	41	22	65	11	27
	Sep	8,477	7,066	948	117	55	110	20	36	24	68	11	22
	Dec	8,986	7,553	970	99	60	122	24	35	33	56	11	23
2017	Mar	8,271	6,885	1,084	101	59	127	-	-	...	-	15	-
	Jun	7,865	6,606	984	93	53	116	-	-	...	-	13	-
	Sep	7,128	5,943	907	88	51	122	-	-	...	-	17	-
	Dec	7,780	6,409	1,081	96	56	124	-	-	...	-	14	-
2018	Mar	7,674	7,078	296	109	56	135	-	-	...	-	-	-
	Jun	7,519	6,924	273	127	66	129	-	-	...	-	-	-
	Sep	7,807	7,353	270	53	49	82	-	-	...	-	-	-
	Dec	8,795	8,473	292	16	-	14	-	-	...	-	-	-
2019	Mar	7,700	7,259	301	11	60	69	-	-	...	-	-	-
	Jun	7,668	7,264	263	19	59	63	-	-	...	-	-	-
	Sep	6,882	6,592	204	7	56	23	-	-	...	-	-	-
	Dec	7,086	6,764	218	23	59	22	-	-	...	-	-	-
2020	Mar	7,911	7,785	24	14	61	27	-	-	...	-	-	-
	Jun	6,130	5,784	216	13	60	57	-	-	...	-	-	-
	Sep	5,837	5,124	587	15	61	50	-	-	...	-	-	-
	Dec	6,102	5,410	579	16	63	34	-	-	...	-	-	-
2021	Mar	6,884	6,077	678	17	68	44	-	-	...	-	-	-
	Jun	6,748	5,922	671	31	61	63	-	-	...	-	-	-
	Sep	6,827	5,982	708	30	64	43	-	-	...	-	-	-
	Dec	6,162	5,360	733	20	38	11	-	-	...	-	-	-
2022	Mar	7,557	6,673	787	27	28	37	-	-	5	-	-	-
	Jun	7,947	6,999	836	35	31	41	-	-	5	-	-	-
	Sep	7,350	6,502	742	43	34	29	-	-	-	-	-	-
	Dec	7,483	6,537	797	85	38	23	-	-	3	-	-	-
2023	Mar	8,562	7,513	896	69	51	30	-	-	3	-	-	-
	Jun	7,889	6,871	844	68	54	49	-	-	3	-	-	-
	Sep ⁽¹⁾	8,695	7,662	883	48	55	44	-	-	3	-	-	-
	Dec ⁽²⁾	9,038	7,993	955	30	43	14	-	-	3	-	-	-

Table 2
Renewable Energy Generated

Quarterly		Cook Islands	Rarotonga	Aitutaki	Atiu	Mauke	Mangaia	Mitiaro	Penrhyn	Rakahanga	Manihiki	Palmerston ¹	Pukapuka ²
Electricity (kwh '000)													
2014	Mar	258	258	...	...	...	...	...	-	-	-	-	-
	Jun	214	214	...	...	...	...	...	-	-	-	-	-
	Sep	255	255	...	...	...	...	...	-	-	-	-	-
	Dec	646	646	...	...	...	...	...	-	-	-	-	-
2015	Mar	756	756	...	...	...	...	...	-	-	-	-	-
	Jun	697	697	...	...	...	...	...	-	-	-	-	-
	Sep	867	867	...	...	...	...	...	-	-	-	-	-
	Dec	1,078	1,078	...	...	...	...	...	-	-	-	-	-
2016	Mar	1,117	1,117	...	...	...	...	...	-	-	-	-	-
	Jun	1,014	1,014	...	...	...	...	...	-	-	-	-	-
	Sep	1,106	1,106	...	...	...	...	...	-	-	-	-	-
	Dec	1,368	1,368	...	...	...	...	...	-	-	-	-	-
2017	Mar	1,543	1,370	...	...	...	...	23	36	19	66	-	29
	Jun	1,307	1,120	...	...	...	...	25	38	22	67	-	35
	Sep	1,316	1,139	...	...	...	...	25	39	20	62	-	31
	Dec	1,270	1,079	...	...	...	...	34	39	22	64	-	32
2018	Mar	2,514	1,195	1,115	...	...	...	27	40	24	70	14	29
	Jun	2,254	956	1,080	...	...	...	26	45	26	74	15	32
	Sep	2,405	1,086	1,003	71	...	46	25	39	22	66	15	32
	Dec	2,995	1,381	1,089	115	59	132	29	50	16	74	15	35
2019	Mar	2,849	1,255	1,139	93	63	69	32	45	24	78	15	36
	Jun	2,435	1,012	949	114	63	70	33	46	25	71	15	37
	Sep	2,149	1,002	642	98	72	115	31	46	21	71	13	38
	Dec	2,380	1,204	723	98	53	115	32	37	12	54	14	38
2020	Mar	2,552	1,117	906	103	74	122	38	45	24	66	14	43
	Jun	2,029	958	610	93	67	76	35	43	25	66	12	44
	Sep	1,693	1,000	224	91	67	81	37	46	26	65	11	45
	Dec	1,900	1,201	220	97	75	101	36	33	16	61	13	47
2021	Mar	1,905	1,177	251	99	72	74	40	51	26	61	12	42
	Jun	1,589	933	223	82	59	51	39	49	26	72	12	43
	Sep	1,683	927	259	94	70	84	35	54	26	78	12	44
	Dec	2,056	1,242	263	93	71	125	35	58	26	80	13	50
2022	Mar	2,042	1,340	256	84	41	81	37	53	20	79	12	39
	Jun	1,548	887	180	89	51	95	36	53	26	73	13	45
	Sep	1,679	977	253	66	51	107	29	54	17	74	12	39
	Dec	1,911	1,159	272	91	39	120	37	45	19	71	14	44
2023	Mar	1,745	1,039	258	76	28	122	35	52	19	61	16	39
	Jun	2,507	1,897	208	44	24	83	35	64	19	69	14	50
	Sep ^(r)	2,546	1,911	187	70	25	103	36	61	19	69	14	51
	Dec ^(b)	2,589	1,942	226	53	32	96	36	53	19	73	14	45

Table 3
Electricity Generated

Year end 31 December	Electricity (kwh '000)											
	Cook Islands	Rarotonga	Aitutaki	Atiu	Mauke	Mangaia	Mitiaro	Penrhyn	Rakahanga	Manihiki	Palmerston ¹	Pukapuka ²
2014	31,194	25,886	3,635	414	254	445	95	73	65	268	43	16
2015	29,921	24,478	3,671	373	243	458	89	149	81	253	49	77
2016	33,373	27,750	3,793	409	228	468	88	143	101	252	44	97
2017	31,044	25,843	4,056	378	219	489	-	...	...	-	59	-
2018	31,795	29,828	1,131	305	171	360	-	-	...	-	-	-
2019	29,336	27,879	986	60	234	177	-	-	-	-	-	-
2020	25,980	24,103	1,406	58	245	168	-	-	-	-	-	-
2021	26,621	23,341	2,790	98	231	161	-	-	-	-	-	-
2022	30,337	26,711	3,162	190	131	130	-	-	13	-	-	-
2023	34,184	30,039	3,578	215	203	137	-	-	12	-	-	-

Table 4
Renewable Energy Generated

Year end 31 December	Renewable energy (kwh '000)											
	Cook Islands	Rarotonga	Aitutaki	Atiu	Mauke	Mangaia	Mitiaro	Penrhyn	Rakahanga	Manihiki	Palmerston ¹	Pukapuka ²
2014	1,373	1,373	...	...	...	...	...	-	-	-	-	-
2015	3,398	3,398	...	...	...	...	...	-	-	-	-	-
2016	4,605	4,605	...	...	...	...	...	-	-	-	-	-
2017	5,436	4,708	...	...	...	-	107	152	83	259	-	127
2018	10,168	4,618	4,287	186	59	178	107	174	88	284	59	128
2019	9,813	4,473	3,453	403	251	369	128	174	82	274	57	149
2020	8,174	4,276	1,960	384	283	380	146	167	91	258	50	179
2021	7,233	4,279	996	368	272	334	149	212	104	291	49	179
2022	7,180	4,363	961	330	182	403	139	205	82	297	51	167
2023	9,387	6,789	879	243	109	404	142	230	76	272	58	185