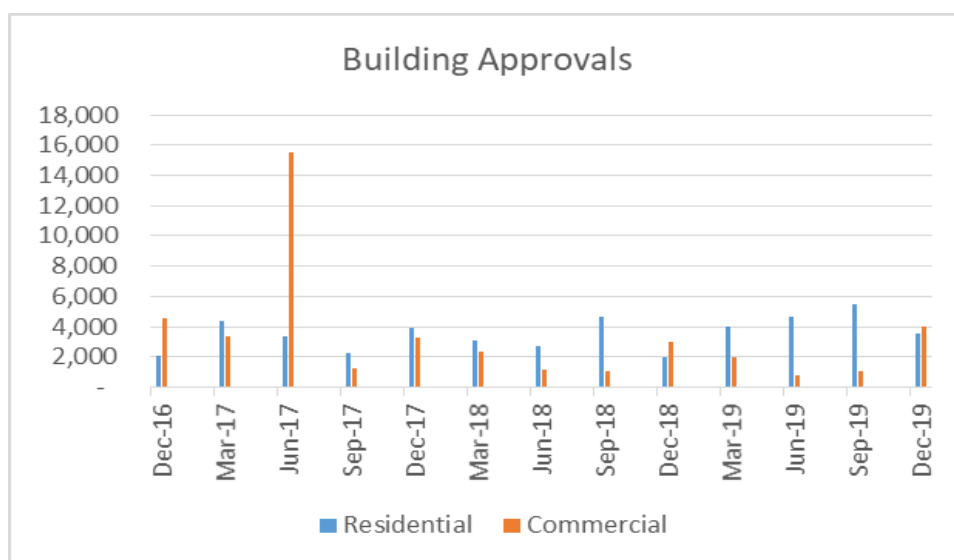


**MINISTRY OF FINANCE AND ECONOMIC MANAGEMENT**  
GOVERNMENT OF THE COOK ISLANDS  
**COOK ISLANDS**  
**STATISTICAL BULLETIN**

**MISCELLANEOUS STATISTICS**  
**December Quarter 2019**

The Miscellaneous Statistics is a compilation of statistics from various data sources, such as building approvals, energy consumption, aircraft movement, motor vehicle registration, air cargo and climate.

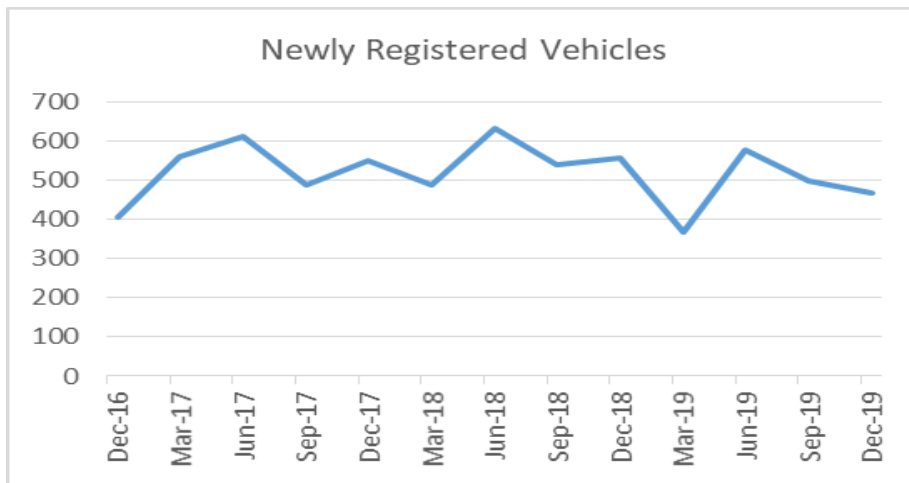
**Building Approvals** – The total value of buildings approved during the December quarter 2019 (7,597) increased by 16.3 per cent when compared to September quarter 2019 (6,534). Commercial buildings (Commercial (1,490), Tourist Accommodation (2,535)) contributed 53.0 per cent in the total value of building approvals and the Residential buildings contributed 47.0 per cent.



**Electricity Generated** - Total electricity and renewable energy generated in the Cook Islands for the December quarter 2019 was 9.5 million kWh, a 5.3 per cent increase when compared to September quarter 2019. Of the total electricity and renewable energy generated 84.1 per cent was consumed on Rarotonga, followed by 15.9 per cent from the selected outer islands.

**Aircraft Movement** - International flights out of Rarotonga decreased by 51 flights in December quarter 2019 when compared to September quarter 2019. New Zealand continued to be the main destination with 219 international flights.

**Newly Registered Motor Vehicle** - Newly registered vehicles for December quarter 2019 decreased by 6.2 per cent compared to September quarter 2019. Motor cycles continued to be the highest type of vehicles registered (60.8 per cent), followed by Cars, Jeeps and Station Wagons (25.3 per cent), Vans and Pickups (10.5 per cent).



**Air Cargo** - The total weight of 459,000 kilograms of air cargo was recorded in the December quarter 2019. Of the total weight recorded for air cargo this is a 4.7 per cent decrease when compared to September quarter 2019. Air cargo imports recorded a total weight of 435,000 kilograms and for exports recorded a total weight of 24,000 kilograms for December quarter 2019. The actual value and descriptions of the air cargo imports/exports is captured in the Overseas Trade Statistics publication.

**Climate** - Rarotonga and Aitutaki recorded an average temperature of 24.3 and 24.9 degrees Celsius, with a total rainfall of 552 millimeters for Rarotonga and 475 millimeters for Aitutaki. Penrhyn had an average temperature of 28.6 degrees Celsius with a total rainfall of 134 millimeters during December quarter 2019. A total of 518 hours of sunshine was recorded for Rarotonga.

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

Taggy Tangimetua  
 Government Statistician  
 April 2020

**Table 7.1 Building Approvals Statistics**

Period	Total		Residential		Commercial				Community <sup>3</sup>	
	No	Value ('000)	No	Value ('000)	Commercial <sup>1</sup>		Tourist Accomodation <sup>2</sup>		No	Value ('000)
Year					No	Value ('000)	No	Value ('000)		
2014	73	9,738	55	6,428	12	2,728	3	215	3	367
2015	72	13,598	58	9,208	5	1,064	4	2,221	5	1,105
2016	110	22,125	87	13,820	12	2,293	6	1,936	5	4,076
2017	129	37,259	95	13,913	13	1,871	13	6,468	8	15,007
2018	116	19,972	87	12,507	8	1,324	14	3,926	7	2,215
2019	152	25,557	117	17,757	9	1,860	23	5,013	3	927
<b>Quarterly</b>										
<b>2013</b>										
Mar	9	1,537	8	1,517	1	20	-	-	-	-
Jun	17	1,676	8	886	2	170	5	370	2	250
Sep	16	3,118	11	2,130	4	388	1	600	-	-
Dec	14	2,220	11	1,640	2	500	-	-	1	80
<b>2014</b>										
Mar	12	2,247	10	1,320	1	800	-	-	1	127
Jun	23	3,258	19	2,892	4	366	-	-	-	-
Sep	25	2,382	21	1,970	3	332	1	80	-	-
Dec	13	1,851	5	246	4	1,230	2	135	2	240
<b>2015</b>										
Mar	14	2,340	12	1,868	-	-	1	222	1	250
Jun	16	2,745	12	1,680	2	644	1	252	1	169
Sep	19	3,973	13	1,661	3	420	1	1,382	2	510
Dec	23	4,540	21	3,999	-	-	1	365	1	176
<b>2016</b>										
Mar	30	6,118	29	4,718	1	1,400	-	-	-	-
Jun	38	6,241	31	4,981	4	548	2	592	1	120
Sep	22	3,140	13	2,053	6	145	3	942	-	-
Dec	20	6,626	14	2,068	1	200	1	402	4	3,956
<b>2017</b>										
Mar	34	7,723	28	4,402	1	165	4	3,140	1	16
Jun	30	18,850	22	3,340	3	562	2	858	3	14,090
Sep	27	3,472	20	2,225	2	326	3	590	2	331
Dec	38	7,214	25	3,946	7	818	4	1,880	2	570
<b>2018</b>										
Mar	28	5,409	22	3,068	1	20	5	2,321	-	-
Jun	26	3,866	20	2,754	2	212	3	570	1	330
Sep	34	5,702	28	4,677	1	200	2	310	3	515
Dec	28	4,995	17	2,008	4	892	4	725	3	1,370
<b>2019</b>										
Mar	37	5,975	27	4,015	-	-	8	1,160	2	800
Jun	32	5,451	29	4,651	1	270	2	530	-	-
Sep	42	6,534	33	5,519	2	100	6	788	1	127
Dec	41	7,597	28	3,572	6	1,490	7	2,535	-	-

Source: Building Control - Ministry of Infrastructure and Planning

Note: (\*) - Commercial establishments including:

- (1) - Shops, Offices, Service Stations...
- (2) - Motels, Bungalows, Units, and Tourist Accommodation
- (3) - Churches, Comm, Halls, Schools, Factories, Workshops

**Table 7.2 Electricity and Renewable Energy Generated for Selected Islands**

Period	Cook Islands		Rarotonga		Atitaki		Atu		Mauike		Mangala		Mitiaro		Pentryn		Rakahanga		Manihiki		Palmerston <sup>1</sup>		Pukapuka <sup>2</sup>	
	Electricity Renewable <sup>3</sup>	Electricity Renewable <sup>3</sup>	Electricity Renewable <sup>3</sup>	Electricity Renewable <sup>3</sup>	Electricity Renewable <sup>3</sup>	Electricity Renewable <sup>3</sup>	Electricity Renewable <sup>3</sup>	Electricity Renewable <sup>3</sup>	Electricity Renewable <sup>3</sup>	Electricity Renewable <sup>3</sup>	Electricity Renewable <sup>3</sup>	Electricity Renewable <sup>3</sup>	Electricity Renewable <sup>3</sup>	Electricity Renewable <sup>3</sup>	Electricity Renewable <sup>3</sup>	Electricity Renewable <sup>3</sup>	Electricity Renewable <sup>3</sup>	Electricity Renewable <sup>3</sup>	Electricity Renewable <sup>3</sup>	Electricity Renewable <sup>3</sup>	Electricity Renewable <sup>3</sup>	Electricity Renewable <sup>3</sup>	Electricity Renewable <sup>3</sup>	
<b>YEAR</b>	(kwh '000)																							
2014	31,194	1,373	25,886	1,373	3,635	...	414	...	254	...	445	...	95	...	73	-	65	-	268	-	43	-	16	-
2015	29,330	3,398	23,927	3,398	3,631	...	373	...	243	...	458	...	89	...	149	-	81	-	253	-	49	-	77	-
2016	29,888	4,605	23,993	4,605	3,754	...	413	...	228	...	475	...	88	...	143	-	101	-	252	-	44	-	97	-
2017	30,767	5,858	25,843	4,708	4,056	...	433	...	109	...	159	...	29	...	...	152	...	83	...	70	...	59	...	
2018	30,929	10,522	29,378	4,618	1,131	...	80	...	79	...	107	...	14	...	28	174	...	91	...	86	...	20	...	
2019	28,819	9,918	27,467	4,473	986	...	67	...	101	...	53	...	12	...	26	174	...	91	...	72	...	11	...	
<b>QUARTER</b>																								
<b>2014</b>																								
Mar	8,335	258	6,976	258	935	...	116	...	57	...	106	...	23	...	31	-	16	-	60	-	11	-	4	-
Jun	7,883	214	6,587	214	889	...	102	...	56	...	114	...	23	...	13	-	18	-	64	-	12	-	5	-
Sep	7,503	255	6,213	255	876	...	96	...	63	...	111	...	25	...	15	-	17	-	74	-	10	-	3	-
Dec	7,473	646	6,110	646	935	...	100	...	78	...	114	...	24	...	14	-	14	-	70	-	10	-	4	-
<b>2015</b>																								
Mar	7,894	756	6,470	756	985	...	97	...	62	...	115	...	20	...	32	-	18	-	88	-	13	-	14	-
Jun	7,352	697	6,010	697	898	...	96	...	65	...	108	...	24	...	40	-	20	-	56	-	14	-	21	-
Sep	6,834	867	5,569	867	845	...	87	...	56	...	113	...	22	...	37	-	19	-	56	-	11	-	19	-
Dec	7,250	1,078	5,878	1,078	903	...	93	...	60	...	122	...	23	...	40	-	24	-	73	-	11	-	23	-
<b>2016</b>																								
Mar	7,584	1,117	6,161	1,117	968	...	99	...	58	...	124	...	22	...	31	-	22	-	63	-	11	-	25	-
Jun	7,043	1,014	5,687	1,014	907	...	94	...	55	...	112	...	22	...	41	-	22	-	65	-	11	-	27	-
Sep	7,339	1,106	5,960	1,106	909	...	117	...	55	...	117	...	20	...	36	-	24	-	68	-	11	-	22	-
Dec	7,622	1,368	6,185	1,368	970	...	103	...	60	...	122	...	24	...	35	-	33	-	56	-	11	-	23	-
<b>2017</b>																								
Mar	8,183	5,858	6,885	1,370	1,084	...	110	...	29	...	40	...	5	...	36	-	...	-	19	...	15	-	4	-
Jun	7,797	1,391	6,606	1,120	984	...	107	...	27	...	37	...	8	...	38	-	...	-	15	...	13	-	-	-
Sep	7,079	1,438	5,943	1,139	907	...	108	...	26	...	39	...	9	...	39	-	...	-	25	...	17	-	5	-
Dec	7,708	1,394	6,409	1,079	1,081	...	108	...	27	...	43	...	7	...	39	-	...	-	19	...	14	-	-	-
<b>2018</b>																								
Mar	7,512	2,647	7,078	1,195	296	...	30	...	26	...	42	...	10	...	40	-	...	-	21	...	2	-	1	-
Jun	7,332	2,379	6,924	966	273	...	32	...	22	...	38	...	4	...	45	-	...	-	25	...	6	-	3	-
Sep	7,713	2,484	7,353	1,086	270	...	13	...	22	...	22	...	-	...	39	-	...	-	17	...	6	-	1	-
Dec	8,372	3,012	8,023	1,381	292	...	5	...	9	...	5	...	-	...	50	-	...	-	23	...	6	-	1	-
<b>2019</b>																								
Mar	7,756	2,850	7,259	1,255	301	...	31	...	91	...	22	...	-	...	45	-	...	-	19	...	6	-	14	-
Jun	7,188	2,490	6,862	1,012	263	...	6	...	6	...	17	...	2	...	46	-	...	-	18	...	1	-	1	-
Sep <sup>(1)</sup>	6,841	2,156	6,592	1,002	204	...	7	...	2	...	7	...	2	...	46	-	3	-	14	...	1	-	2	-
Dec	7,054	2,422	6,764	1,204	218	...	23	...	2	...	7	...	8	...	37	-	2	-	21	...	3	-	2	-

Source: Energy Division of the Ministry of Infrastructure and Planning and Te Apōngia Uta, Rarotonga and the Outer Islands Admin Office.

- Note:
- (1) Electricity generated on Rarotonga & Atitaki are actual numbers and some of the islands are estimated.
  - (2) Statistics Office just started collecting electricity generated from Palmerston Island.
  - (3) Statistics Office started collecting Renewable energy data for Rarotonga in 2014, and for most of the outer islands started in 2017.

**Table 7.3 Aircraft Movement**

Period	Total Flights	From Rarotonga to:						
		New Zealand	Tahiti	Fiji	Honolulu	Australia	Los Angeles	Other
<b>YEAR</b>								
2014	858	682	67	-	-	52	52	5
2015	799	620	67	-	2	52	53	5
2016	959	779	66	-	-	56	53	5
2017	963	776	65	-	2	52	56	12
2018	1,046	860	68	-	2	52	52	12
2019	1,045	857	68	2	2	53	52	11
<b>QUARTER</b>								
<b>2013</b>								
Mar	189	148	14	-	-	13	13	1
Jun	222	177	17	-	-	14	13	1
Sep	258	210	20	-	-	13	13	2
Dec	222	177	18	-	-	13	13	1
<b>2014</b>								
Mar	196	151	16	-	-	14	14	1
Jun	209	168	15	-	-	12	12	2
Sep	247	202	19	-	-	13	13	-
Dec	206	161	17	-	-	13	13	2
<b>2015</b>								
Mar	173	129	15	-	2	13	14	-
Jun	192	149	15	-	-	13	13	2
Sep	226	177	20	-	-	13	13	3
Dec	208	165	17	-	-	13	13	-
<b>2016</b>								
Mar	175	133	15	-	-	14	13	-
Jun	241	203	12	-	-	13	13	-
Sep	290	239	21	-	-	15	13	2
Dec	253	204	18	-	-	14	14	3
<b>2017</b>								
Mar	206	159	13	-	1	13	16	4
Jun	231	188	14	-	-	13	13	3
Sep	277	226	21	-	-	13	13	4
Dec	249	203	17	-	1	13	14	1
<b>2018</b>								
Mar	193	160	16	-	-	13	13	1
Jun	276	232	14	-	-	13	13	4
Sep	308	256	20	-	2	13	13	4
Dec	259	212	18	-	-	13	13	3
<b>2019</b>								
Mar	207	162	16	1	-	13	13	2
Jun	257	215	13	-	1	13	13	2
Sep	316	261	23	1	1	14	13	3
Dec	265	219	16	-	-	13	13	4

Source: Air New Zealand and Air Rarotonga

**Table 7.4 Newly Registered Vehicles**

Period	Newly Registered Vehicles					
	Total	Motor Cycles	Cars, Jeeps and Station Wagons	Trucks and Buses	Vans and Pickups	Other Vehicles
<b>YEAR</b>						
2014	1,843	1,293	313	77	146	14
2015	2,225	1,516	387	82	155	85
2016	1,963	1,247	436	43	200	37
2017	2,216	1,192	691	71	225	37
2018	2,219	1,297	491	121	266	44
2019	1,910	1,183	405	74	214	34
<b>QUARTER</b>						
<b>2013</b>						
Mar	394	299	49	5	39	2
Jun	435	284	110	6	25	10
Sep	403	281	72	11	39	-
Dec	534	396	92	10	34	2
<b>2014</b>						
Mar	374	232	74	8	58	2
Jun	530	391	93	11	32	3
Sep	500	382	56	27	30	5
Dec	439	288	90	31	26	4
<b>2015</b>						
Mar	531	374	53	12	35	57
Jun	630	471	77	28	48	6
Sep	531	348	125	18	34	6
Dec	533	323	132	24	38	16
<b>2016</b>						
Mar	420	268	94	8	36	14
Jun	548	310	152	12	67	7
Sep	588	395	117	11	53	12
Dec	407	274	73	12	44	4
<b>2017</b>						
Mar	561	311	163	13	69	5
Jun	613	339	197	13	51	13
Sep	490	254	147	26	51	12
Dec	552	288	184	19	54	7
<b>2018</b>						
Mar	488	291	94	39	56	8
Jun	634	332	188	21	77	16
Sep	540	336	102	32	58	12
Dec	557	338	107	29	75	8
<b>2019</b>						
Mar	368	237	65	13	37	16
Jun	577	343	129	29	63	13
Sep	498	319	93	17	65	4
Dec	467	284	118	15	49	1

Source: The Bank of the Cook Islands (BCI), Rarotonga.

**Table 7.5 Air Cargo Imports and Exports**

Period	Total	Air Cargo Imports	Air Cargo Exports
<b>YEAR</b>		(kg '000)	
2014	1,337	1,255	81
2015	1,364	1,266	98
2016	1,650	1,558	92
2017	1,915	1,822	93
2018	1,934	1,839	95
2019	1,854	1,760	94
<b>QUARTER</b>			
<b>2013</b>			
Mar	279	262	17
Jun	368	346	22
Sep	315	286	29
Dec	390	349	41
<b>2014</b>			
Mar	321	296	25
Jun	317	305	12
Sep	349	330	19
Dec	350	324	25
<b>2015</b>			
Mar	336	312	24
Jun	344	319	25
Sep	340	315	25
Dec	343	319	24
<b>2016</b>			
Mar	329	307	22
Jun	335	313	22
Sep	496	473	23
Dec	489	465	24
<b>2017</b>			
Mar	478	454	24
Jun	384	362	22
Sep	543	520	23
Dec	510	486	24
<b>2018</b>			
Mar	419	395	24
Jun	486	463	23
Sep	540	516	24
Dec	489	465	24
<b>2019</b>			
Mar	436	413	23
Jun	477	454	23
Sep	482	458	24
Dec	459	435	24

Source: Air Cargo Manifest - Cargo Division, Air New Zealand, Rar

**Table 7.6 Average Temperature, Total Rainfall and  
Total Sunshine Hours for Selected Islands**

Period	Average Temperature (celsius)			Total Rainfall (mm)			Total Hours of Sunshine
	Rarotonga	Aitutaki	Penrhyn	Rarotonga	Aitutaki	Penrhyn	Rarotonga
	<b>YEAR</b>						
2014	23.9	24.9	28.9	1,662	1,372	1,249	2,283
2015	23.6	25.2	29.0	1,441	1,349	1,920	2,189
2016	24.8	24.7	28.9	1,421	1,366	2,600	2,183
2017	25.0	24.9	28.7	1,568	1,362	1,686 0	2,232
2018	25.4	25.0	28.6	2,122	1,359	1,021	2,143
2019	24.7	24.9	28.9	2,002	1,476	1,236 0	2,045
<b>QUARTER</b>							
<b>2013</b>							
Mar	26.2	26.3	29.0	486	479	425	609
Jun	24.3	25.5	28.6	344	208	310	483
Sep	22.1	23.4	28.2	337	196	749	364
Dec	24.9	24.8	28.1	238	493	753	549
<b>2014</b>							
Mar	26.5	26.5	28.8	511	493	440	575
Jun	23.5	24.7	29.0	325	211	227	530
Sep	21.5	23.2	28.9	304	189	108	602
Dec	24.2	25.1	28.9	522	479	474	576
<b>2015</b>							
Mar	25.7	26.2	28.5	771	481	1,031	546
Jun	22.9	25.1	29.1	367	209	139	485
Sep	21.6	24.9	29.0	83	195	94	547
Dec	24.2	24.8	29.4	220	464	656	611
<b>2016</b>							
Mar	26.1	25.6	29.1	246	484	940	552
Jun	23.8	24.5	28.9	159	209	883	546
Sep	23.6	24.9	28.8	508	193	470	579
Dec	25.6	24.9	28.8	508	479	307	506
<b>2017</b>							
Mar	27.5	26.1	28.7	492	486	691	593
Jun	25.0	24.8	29.0	436	210	518	500
Sep	22.9	24.0	28.6	111	193	125	631
Dec	24.6	24.9	28.4	529	474	352	508
<b>2018</b>							
Mar	26.6	26.0	28.5	886	484	418	539
Jun	25.1	24.8	29.0	535	209	110	487
Sep	23.0	24.6	28.1	362	194	258	576
Dec	27.0	24.9	28.9	339	472	235	541
<b>2019</b>							
Mar	26.9	25.9	29.2	762	598	513	497
Jun	24.3	24.7	29.5	445	209	269	481
Sep	23.3	24.0	28.3	243	193	320	549
Dec	24.3	24.9	28.6	552	475	134	518

Sources: Meteorological Office, Rarotonga.