

Wendy Collard

From: Jenny Lapham
Sent: Friday, 26 May 2023 01:44 p.m.
To: [REDACTED]
Subject: FW: Local Government Official Information and Meetings Act 1987 Request
Attachments: Copy of Motu Information request.xlsx

Kia Ora [REDACTED]

I refer to your e-mail below and advise it was forwarded to the Governance Team for consideration under the Local Government Official Information and Meetings Act.

Please find attached the information as requested. Please note that data confidence in residential consumption, and information derived using the data, is low due to the small sample size. The information relating to Dunedin's population can be sourced from Statistics New Zealand, however it is estimated to be around 130,000.

Kā mihi

Jennifer Lapham
Mana Whakahaere Kairuruku/Governance Support Officer
Governance Group
P 03 477 4000 | E Jenny.Lapham@dcc.govt.nz
Te Kaunihera a Rohe o Ōtepoti - Dunedin City Council
PO Box 5045, Dunedin 9054
New Zealand
www.dunedin.govt.nz

From: [REDACTED]
Sent: Thursday, 27 April 2023 9:08 a.m.
To: Water Services <Water.Services@dcc.govt.nz>
Subject: RE: Water Data

Hi India,

Thank you for reaching out to me.

I am a research analyst at Motu Economic and Public Policy Research. I am currently working on a project looking at the impact of urban water pricing on water use in New Zealand. I am trying to obtain data on water use from the 5 biggest councils to assess the patterns of water use across these major regions and to understand the potential impacts of pricing.

Specifically, the information I am after includes the following:

- Total volume of water produced
- Total volume of residential water consumed
- Total volume of non-residential (commercial) water consumed

- Estimate of total water leakage/loss
- Total population serviced
- Value of water charges/prices for residential use
- Information on restrictions (dates of restrictions, or number of restriction days)

I would like this data/information **over time**, i.e. for as many years as can be possibly provided. It would also be great if it was in monthly frequency, however I am happy to receive annual data.

Last year I made a similar request using the LGOIMA channel, but was told that you did not have the capacity to meet the request. I am hoping you might be able to provide this information now. Both Wellington and Tauranga have been able to provide such information with relative ease (please see attached the Tauranga data, which illustrates the information I am after), so this request for data doesn't seem unreasonable.

I am happy to discuss this further if there are any issues or if you need further clarification.

Thank you for your time and assistance.

Kind regards,

[REDACTED]

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[REDACTED]
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From: Water Services <Water.Services@dcc.govt.nz>

Sent: Wednesday, April 26, 2023 3:49 PM

To: [REDACTED]

Subject: Water Data

Hi [REDACTED]

I have been passed your enquiry regarding getting access to water data for research use. Are you able to let me know what information you require and I can pass this onto the right person?

Kind regards,

India Smith

Network Contract Support Technician

3 Waters

P 03 477 4000 | E water.services@dcc.govt.nz

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Year	Month	Number of days in reading	Production (m3)	Commercial(m3)	Domestic Sample (m3)	Properties in domestic sample	Number of Properties paying UAC	Unoccupied properties	Number of occupied properties	Total Domestic Consumption (m3)	Hydrant Consumption (m3)	Estimated Non-Revenue Water (m3)	Percentage Non-Revenue water	Residential l/conn/day	Personal Usage l/person/day
2012	July	31	1,220,176	320,319	1,668	101	44,545	2,556	41,989	693,442	1,219	205,196	17%	533	210
2012	August	31	1,232,347	352,002	1,595	100	44,545	2,556	41,989	669,725	868	209,753	17%	515	203
2012	September	30	1,211,374	328,831	1,509	101	44,546	2,557	41,989	627,341	949	254,254	21%	498	197
2012	October	31	1,230,572	373,694	2,173	139	44,546	2,557	41,989	656,418	1,134	199,326	16%	504	199
2012	November	30	1,220,741	369,943	1,509	102	44,546	2,557	41,989	621,190	462	229,146	19%	493	195
2012	December	31	1,298,436	353,059	1,659	105	44,546	2,557	41,989	663,426	1,350	280,601	22%	510	201
2013	January	31	1,323,081	362,872	1,659	105	44,546	2,557	41,989	663,426	1,280	295,503	22%	510	201
2013	February	28	1,333,225	318,006	1,912	103	44,546	2,557	41,989	779,446	973	234,799	18%	663	262
2013	March	31	1,380,628	311,590	1,816	104	44,546	2,557	41,989	733,193	1,001	334,845	24%	563	222
2013	April	30	1,241,674	320,643	1,721	101	44,546	2,557	41,989	715,476	1,503	204,052	16%	568	224
2013	May	31	1,259,500	329,856	1,635	102	44,546	2,557	41,989	673,059	274	256,311	20%	517	204
2013	June	30	1,167,377	304,886	1,448	101	44,546	2,557	41,989	601,981	1,718	258,792	22%	478	189
2013	July	31	1,207,410	314,953	1,746	103	44,545	2,556	41,989	711,775	876	179,806	15%	547	215
2013	August	31	1,222,254	312,803	1,564	103	44,545	2,556	41,989	637,581	479	271,391	22%	490	192
2013	September	30	1,188,754	296,796	1,425	103	44,546	2,557	41,989	580,916	981	310,061	26%	461	181
2013	October	31	1,243,645	354,986	1,696	102	44,546	2,557	41,989	698,170	1,219	189,270	15%	536	211
2013	November	30	1,260,075	356,937	1,693	103	44,546	2,557	41,989	690,169	769	212,200	17%	548	215
2013	December	31	1,227,731	370,381	1,415	105	44,546	2,557	41,989	565,852	887	290,611	24%	435	171
2014	January	31	1,196,850	282,713	1,943	104	44,546	2,557	41,989	784,468	68	129,602	11%	603	237
2014	February	28	1,209,529	275,921	1,422	100	44,546	2,557	41,989	597,084	-	336,524	28%	508	199
2014	March	31	1,265,349	273,600	1,577	100	44,546	2,557	41,989	662,167	106	329,477	26%	509	200
2014	April	30	1,162,529	263,687	1,577	100	44,546	2,557	41,989	662,167	-	236,676	20%	526	206
2014	May	31	1,209,969	311,288	1,577	100	44,546	2,557	41,989	662,167	145	236,370	20%	509	200
2014	June	30	1,122,813	305,364	1,577	100	44,546	2,557	41,989	662,167	145	155,138	14%	526	206
2014	July	31	1,164,260	322,631	1,634	107	42,655	1,029	41,626	635,672	207	205,750	18%	493	192
2014	August	31	1,171,442	346,348	1,440	96	42,655	1,029	41,626	624,390	1,474	199,230	17%	484	188
2014	September	30	1,169,180	343,525	1,598	105	42,655	1,029	41,626	633,508	449	191,698	16%	507	197
2014	October	31	1,222,338	369,495	1,811	107	42,655	1,029	41,626	704,530	2,397	145,917	12%	546	213
2014	November	30	1,160,694	339,495	1,499	105	42,655	1,029	41,626	594,261	456	226,483	20%	476	185
2014	December	31	1,273,768	322,593	2,081	110	42,655	1,029	41,626	787,488	205	163,481	13%	610	238
2015	January	31	1,406,505	359,319	2,081	105	42,655	1,029	41,626	824,988	1,832	220,366	16%	639	249
2015	February	28	1,210,864	340,623	1,227	104	42,655	1,029	41,626	491,107	2,403	376,732	31%	421	164
2015	March	31	1,294,335	345,876	1,578	102	42,655	1,029	41,626	643,979	679	303,802	23%	499	194
2015	April	30	1,167,794	345,015	1,269	100	42,655	1,029	41,626	528,234	276	294,269	25%	423	165
2015	May	31	1,201,863	340,725	1,207	103	42,655	1,029	41,626	487,792	89	373,257	31%	378	147
2015	June	30	1,160,479	317,547	994	75	42,655	1,029	41,626	551,683	984	290,265	25%	442	172
2015	July	31	1,333,406	302,126	1,604	86	42,655	1,029	41,626	776,373	133	254,774	19%	602	234
2015	August	31	1,329,181	379,253	1,431	92	42,655	1,029	41,626	647,465	842	301,621	23%	502	195
2015	September	30	1,257,803	293,721	1,206	93	42,655	1,029	41,626	539,795	242	424,045	34%	432	168
2015	October	31	1,338,904	353,824	830	88	42,655	1,029	41,626	392,609	165	592,306	44%	304	118
2015	November	30	1,284,380	346,384	1,032	88	42,655	1,029	41,626	488,159	618	449,219	35%	391	152
2015	December	31	1,471,678	249,595	1,985	103	42,655	1,029	41,626	802,210	216	419,657	29%	622	242
2016	January	31	1,435,704	257,529	2,200	103	42,655	1,029	41,626	889,099	375	288,701	20%	689	268
2016	February	29	1,430,862	295,229	805	75	42,655	1,029	41,626	446,786	2,903	685,944	48%	370	144
2016	March	31	1,456,723	297,422	1,463	103	42,655	1,029	41,626	591,251	434	567,616	39%	458	178
2016	April	30	1,352,313	304,999	1,764	102	42,655	1,029	41,626	719,885	205	327,224	24%	576	224
2016	May	31	1,331,023	229,784	1,136	103	42,655	1,029	41,626	459,098	409	641,732	48%	356	138
2016	June	30	1,239,868	87,669	1,100	103	42,655	1,029	41,626	444,550	891	706,758	57%	356	139
2016	July	31	1,246,808	465,964	1,267	102	42,655	1,029	41,626	517,060	133	263,651	21%	401	156
2016	August	31	1,297,268	439,878	1,446	102	42,655	1,029	41,626	590,110	842	266,438	21%	457	178
2016	September	30	1,236,912	393,896	1,967	103	42,655	1,029	41,626	794,935	981	47,100	4%	637	248
2016	October	31	1,299,655	310,157	2,152	103	42,655	1,029	41,626	869,701	603	119,194	9%	674	262
2016	November	30	1,231,433	386,155	1,902	116	42,655	1,029	41,626	682,523	113	162,642	13%	547	213
2016	December	31	1,319,898	201,605	2,711	115	42,655	1,029	41,626	981,288	219	136,786	10%	760	296
2017	January	31	1,280,884	242,455	1,880	115	42,655	1,029	41,626	680,495	510	357,424	28%	527	205
2017	February	28	1,257,625	306,035	2,247	115	42,655	1,029	41,626	813,336	487	137,767	11%	674	262
2017	March	31	1,372,292	223,126	2,005	106	42,655	1,029	41,626	787,360	281	361,525	26%	610	238
2017	April	30	1,253,566	277,618	2,119	116	42,655	1,029	41,626	760,392	1,851	213,705	17%	609	237
2017	May	31	1,291,978	356,074	1,882	110	42,655	1,029	41,626	712,183	1,223	222,498	17%	552	215
2017	June	30	1,190,002	213,063	1,830	114	42,655	1,029	41,626	668,207	1,422	307,310	26%	535	208
2017	July	31	1,224,497	316,164	1,792	114	42,655	1,029	41,626	654,332	279	253,722	21%	507	197
2017	August	31	1,272,778	397,400	2,085	113	42,655	1,029	41,626	768,055	1,180	106,143	8%	595	232
2017	September	30	1,237,489	239,559	1,832	114	42,655	1,029	41,626	668,937	279	328,714	27%	536	209
2017	October	31	1,334,148	267,618	1,994	114	42,655	1,029	41,626	728,090	2,322	336,118	25%	564	220
2017	November	30	1,369,881	368,391	3,392	152	42,655	1,029	41,626	928,917	775	71,798	5%	744	290
2017	December	31	1,480,385	279,361	2,418	132	42,655	1,029	41,626	762,513	1,277	437,234	30%	591	230
2018	January	31	1,551,006	254,183	2,923	135	42,655	1,029	41,626	901,280	475	395,068	25%	698	272
2018	February	28	1,220,277	286,658	2,286	135	42,655	1,029	41,626	704,867	40	228,712	19%	584	227
2018	March	31	1,347,868	254,697	2,285	135	42,655	1,029	41,626	704,559	31	388,581	29%	546	213
2018	April	30	1,266,091	256,428	2,256	127	42,655	1,029	41,626	739,435	-	270,228	21%	592	230
2018	May	31	1,278,456	288,527	2,399	127	42,655	1,029	41,626	786,305	204	203,420	16%	609	237
2018	June	30	1,172,177	291,726	2,359	131	42,655	1,029	41,626	749,586	51	130,814	11%	600	234
2018	July	31	1,209,763	270,350	1,983	131	43,897	1,074	43,897	664,487	266	274,660	23%	488	200
2018	August	31	1,236,009	204,803	1,983	131	43,897	1,074	43,897	664,487	2,385	364,334	29%	488	200
2018	September	30	1,248,114	280,719	2,421	131	43,897	1,074	43,897	811,257	597	155,541	12%	616	253
2018	October	31	1,305,418	313,719	2,083	135	43,897	1,074	43,897	677,314	362	314,023	24%	498	204

2018 November	30	1,251,657	218,953	2,434	135	43,897	1,074	43,897	791,447	463	240,794	19%	601	247
2018 December	31	1,335,371	242,816	2,350	135	43,897	1,074	43,897	764,133	2,352	326,070	24%	562	231
2019 January	31	1,386,598	279,878	2,350	130	43,897	1,074	43,897	793,523	1,090	312,107	23%	583	239
2019 February	28	1,393,268	268,242	2,707	130	43,897	1,074	43,897	914,071	1,878	209,077	15%	718	295
2019 March	31	1,494,394	248,855	2,701	130	43,897	1,074	43,897	912,045	1,093	332,401	22%	670	275
2019 April	30	1,301,043	299,288	2,162	135	43,897	1,074	43,897	703,002	1,093	297,660	23%	534	219
2019 May	31	1,343,536	242,583	2,702	135	43,897	1,074	43,897	878,590	437	221,926	17%	646	265
2019 June	30	1,280,993	255,381	1,860	134	43,897	1,074	43,897	609,317	968	415,327	32%	463	190
2019 July	31	1,315,767	268,001	2,038	128	43,897	1,074	43,897	698,923	1,220	347,623	26%	514	211
2019 August	31	1,297,051	197,772	2,094	130	43,897	1,074	43,897	707,079	1,993	390,207	30%	520	213
2019 September	30	1,278,539	224,050	1,734	130	43,897	1,074	43,897	585,518	1,071	467,900	37%	445	183
2019 October	31	1,304,927	279,279	1,842	130	43,897	1,074	43,897	621,987	583	403,078	31%	457	188
2019 November	30	1,315,868	207,910	2,193	126	43,897	1,074	43,897	764,017	725	343,216	26%	580	238
2019 December	31	1,313,846	290,039	2,085	126	43,897	1,074	43,897	726,391	1,096	296,320	23%	534	219
2020 January	31	1,435,466	442,101	2,085	129	43,897	1,074	43,897	709,498	369	283,498	20%	521	214
2020 February	28	1,360,737	304,499	2,269	128	43,897	1,074	43,897	778,143	1,144	276,951	20%	611	251
2020 March	31	1,423,389	229,450	2,011	128	43,897	1,074	43,897	689,663	1,873	502,403	35%	507	208
2020 April	30	1,217,670	157,636	2,011	128	43,897	1,074	43,897	689,663	1,586	368,785	30%	524	215
2020 May	31	1,236,287	354,302	2,011	128	43,897	1,074	43,897	689,663	1,993	190,329	15%	507	208
2020 June	30	1,096,097	245,561	2,086	130	43,897	1,074	43,897	704,378	2,471	143,687	13%	535	220
2020 July	31	1,313,209	381,054	1,906	122	44,223	1,074	44,223	690,894	1,414	239,847	18%	504	208
2020 August	31	1,299,995	284,620	2,054	120	44,223	1,074	44,223	756,950	1,186	257,239	20%	552	228
2020 September	30	1,289,616	212,014	2,216	121	44,223	1,074	44,223	809,902	1,155	266,545	21%	610	252
2020 October	31	1,242,481	249,377	2,058	130	44,223	1,074	44,223	700,084	1,856	291,164	23%	511	211
2020 November	30	1,399,224	312,859	2,383	127	44,223	1,074	44,223	829,791	1,933	254,641	18%	625	259
2020 December	31	1,342,796	192,170	2,033	128	44,223	1,074	44,223	702,386	1,290	446,950	33%	512	212
2021 January	31	1,323,417	267,460	2,387	116	44,223	1,074	44,223	910,003	750	145,204	11%	664	275
2021 February	28	1,352,264	265,365	2,462	122	44,223	1,074	44,223	892,435	1,850	192,614	14%	721	298
2021 March	31	1,476,110	221,536	2,726	122	44,223	1,074	44,223	988,130	1,426	265,018	18%	721	298
2021 April	30	1,345,473	288,009	1,894	124	44,223	1,074	44,223	675,471	2,131	379,862	28%	509	211
2021 May	31	1,377,858	317,348	1,957	124	44,223	1,074	44,223	697,939	1,771	360,800	26%	509	211
2021 June	30	1,272,298	233,903	1,894	124	44,223	1,074	44,223	675,471	1,170	361,754	28%	509	211
2021 July	31	1,315,329	357,999	2,077	124	44,223	1,074	44,223	740,557	1,009	215,764	16%	540	223
2021 August	31	1,272,715	291,893	2,077	126	44,223	1,074	44,223	728,802	197	251,823	20%	532	220
2021 September	30	1,351,239	216,436	2,304	126	44,223	1,074	44,223	808,649	1,800	324,354	24%	610	252
2021 October	31	1,339,884	259,247	1,994	132	44,223	1,074	44,223	668,035	710	411,892	31%	487	202
2021 November	30	1,345,540	289,763	2,337	129	44,223	1,074	44,223	801,156	805	253,816	19%	604	250
2021 December	31	1,333,122	252,628	2,059	130	44,223	1,074	44,223	700,424	1,105	378,965	28%	511	211
2022 January	31	1,371,461	327,855	2,868	140	44,223	1,074	44,223	905,940	984	136,682	10%	661	273
2022 February	28	1,290,682	270,708	2,868	140	44,223	1,074	44,223	905,940	3,017	111,017	9%	732	303
2022 March	31	1,461,826	251,790	2,383	140	44,223	1,074	44,223	752,739	2,719	454,578	31%	549	227
2022 April	30	1,369,253	259,116	2,222	118	44,223	1,074	44,223	832,742	2,636	274,759	20%	628	260
2022 May	31	1,360,665	312,016	2,177	120	44,223	1,074	44,223	802,279	1,628	244,742	18%	585	242
2022 June	30	1,345,085	226,073	1,680	122	44,223	1,074	44,223	608,972	1,942	508,098	38%	459	190
2022 July	31	1,326,680	237,502	1,553	81	45,039	1,074	44,223	847,880	2,041	239,257	18%	618	256
2022 August	31	1,368,881	320,971	1,391	81	45,039	1,074	44,223	759,434	794	287,682	21%	554	229
2022 September	30	1,310,967	208,020	1,746	83	45,039	1,074	44,223	930,281	973	171,693	13%	701	290
2022 October	31	1,383,965	170,788	2,111	96	45,039	1,074	44,223	972,445	1,862	238,870	17%	709	293
2022 November	30	1,361,313	370,634	1,796	96	45,039	1,074	44,223	827,339	696	162,644	12%	624	258
2022 December	31	1,421,059	195,674	1,229	75	45,039	1,074	44,223	724,668	2,196	498,521	35%	529	219
2023 January	31	1,586,804	264,640	2,701	113	45,039	1,074	44,223	1,057,047	1,463	263,654	17%	771	319
2023 February	28	1,520,437	373,117	2,002	94	45,039	1,074	44,223	941,856	4,500	200,964	13%	761	315
2023 March	31	1,495,548	373,117	2,861	121	45,039	1,074	44,223	1,045,636	1,126	75,669	5%	763	315