

18 November 2021

By email: [REDACTED]

Dear [REDACTED]

Official Information Request Response

Thank you for your information request, raised through the Council's website on 13 October 2021, in which you ask for information about energy usages in the facilities owned or administered by the Council, with specific regard to fossil fuels, and the Council's plans for decarbonisation.

Specifically, you asked for information relating to the following points:

- A list of all facilities, as well as administrative & miscellaneous buildings owned or administered by your Council that burn fossil fuels or that are heated by fossil fuels burned offsite (for example, in an energy centre that supplies heat to your facility);
- With a breakdown for each such facility of fossil fuel type, region, size of heat plant (MW), carbon dioxide emissions, and any Discharge to Air consents held for this activity.
- An outline of any plans that your Council or the Energy Efficiency and Conservation Authority have to transition these institutions off fossil fuels, including the names of these institutions, the proposed timing of the transition, and the transition plan."

In response, the Council is able to provide you with the following information:

Energy Use Information

The Council manages 43 Natural Gas connections throughout Council operated facilities and leased facilities. The Council is also a tenant in five facilities which share a communal heating system that is supplied by Natural Gas. We are unable to provide information for these 5 sites as the information is not held by the Council.

The Council does not use any other hydrocarbon fuel source for space/water heating or cooking.

A full break down of the sites, consumption usage for the 2020/21 FY and CO2-e emissions are provided as below:

Wellington City Council - Gas Connections				
ICP	Site	Building Type	Gj 2020-21 FY	tCO2-e 2020-21 FY
0000073154NA0B6	Berhampore Nursery	Nursery	40.15	2.41687004
0002228791QT3D4	Botanic Gardens Begonia House	Rec Centre	599.56	36.09376312
0002321271QT4A7	Botanic Gardens Nursery Glasshouse	Nursery	1527.27	91.9415336
0002320611QT6F6	Karori Pool	Pool	7897.11	475.406022
0002320691QT3BC	Karori Crematorium	Crematorium	2057.94	123.8879828
0002273181QT3EB	Karori Recreation Centre	Rec Centre	28.63	1.72369628
0002320751QTD57	Khandallah Town Hall	Rec Centre	0.12	0.007224
0002320741QT7FA	Nairnville Recreation Centre	Rec Centre	74.87	4.507166475
0000073252NA23A	Tawa Pool	Pool	5167.51	311.084102
0000073255NAFF0	Thorndon Pool	Pool	3950.93	237.845685
0000073262NA5C2	CAB Building	Large Office	0.00	0
0000073265NA808	MOB Building	Large Office	1790.68	107.7991166
0002250961QT271	WRAC Main	Pool	16895.40	1017.10296
1000514666PG329	WRAC Shallow Pool	Pool	264.26	15.908452
0002233341QT596	Freyberg Pool	Pool	7328.06	441.1491518
0000073279NA1BB	Keith Spry Pool	Pool	6947.36	418.2308651
0000073579NAEB9	Te Poneke Arts - A	Rec Centre	542.07	32.6327344
0000073581NACBA	Te Poneke Arts - B	Rec Centre	0.04	0.0024682
0000073745NA058	Central Library (Removed)	Large Office	1208.22	72.734844
1000500423PG8A5	Wakefield Park Changing Facilities	Changing Room	17.90	1.0774596
0054230436PGD63	Linden Park Changing Facilities	Changing Room	0.12	0.0074648
0004227349NG0BC	Linden Park West Changing Facilities	Changing Room	0.00	0
1000514106PG3DB	Newtown Park Grandstand and Pavilion	Changing Room	292.20	17.59057244
0004224928NGBE3	Linden Social Centre	Rec Centre	16.26	0.978852

0004226067NGCD1	Redwood Park Upper Field Changing Facilities	Changing Room	25.50	1.5351
1000596438PGED8	Alex Moore Park Upper Field Changing Facilities	Changing Room	26.54	1.5975274
0002282001QTB99	Macallister Park Lower Field Pavilion	Changing Room	1.37	0.08218848
1000522051PGBF1	Poneke Rugby Club - Kilbirnie	Changing Room	95.38	5.74170056
1000525248PG16A	ASB Sports Centre	Event Centre	255.59	15.3863374
1000527883PG11B	ASB Sports Centre Café	Rec Centre	179.46	10.8032512
1000542175PGCF2	Evans Bay Park	Changing Room	0.68	0.0406436
0000073429NAFB5	Wellington Town Hall	Event Centre	0.00	0
0002265731QTA7E	Capital E	Event Centre	0.18	0.0109564
1000548349PGC53	Martin Luckie Park	Changing Room	58.82	3.5408694
1000561110PG560	Kelburn Park Pavilion	Changing Room	2.30	0.13874724
1000570824PG3DA	Ben Burn Park Pavilion	Changing Room	0.24	0.0146888
0000073264NA44D	City Gallery (Civic Estate)	Event Centre	2394.23	144.1328146
1000502414PG1D7	Wellington Museum	Event Centre	665.34	40.0535282
0000073270NAFEA	Michael Fowler Centre	Event Centre	2484.20	149.5487798
0002287031QTB41	TSB Arena	Event Centre	407.09	24.50655021
0002246401QT5A8	Opera House	Event Centre	977.39	58.83884038
Landlord Supply	113 The Terrace	Main Office	Unknown	Unknown
Landlord Supply	79 Boulcott Street	Secondary Office	Unknown	Unknown
Landlord Supply	Te Awe Library	Library	Unknown	Unknown
Landlord Supply	Arapaki	Library	Unknown	Unknown
Landlord Supply	Te Pataka	Library Warehouse	Unknown	Unknown
Tenant Supply	Embassy Theatre	Theatre/Retail	Unknown	Unknown
Tenant Supply	Waitohi Library	Retail (café)	Unknown	Unknown

Natural Gas Assets

The Council has a register of the assets which use fossil fuels for space heating/water heating for 11 of the facilities that use the most natural gas. We do not have a detailed register of the natural gas assets for our smaller sites.

The register does not detail the rating in MW, but it does provide the asset model details.

The 15 sites that we hold this information for accounts for 93.6% of the Council's stationary energy fossil fuel use. A breakdown of these gas assets is:

Wellington City Council - Largest 15 Gas Assets				
BU	Area	Building	Asset ID	Asset
PSR	Pools	WRAC	Top Boiler	Aquatherm
			Bottom Boiler	Aquatherm
		Karori Pool	Top Plantroom	Baxi Slim 1.620iN
			Bottom Plantroom	Aquaheat PTL Series PTL410
		Keith Spry Pool	Plantroom	Unical Modulex EXT770E8
		Freyberg Pool	Plantroom	Unical Modulex EXT 440 E8
			Rooftop Air Heater	Tecnoclima Energy 320 O/K5
	Tawa Pool	Plantroom	Unical Modulex EXT 770 E8	
	Thorndon Pool	Plantroom	Aquatherm A590	
	Other	Botanic Gardens Glasshouse	GH2	Brivis Climatic System ME3 EV3
			GH3	Braemar Ecostar TH435NG
			GH6	Aircon V150
			GH7	Aircon V150
		Botanic Gardens Begonia House	B1	Unical - Alkon 70
			B2	Unical - Alkon 70
B3			Unical - Alkon 70	
Karori Crematorium		Afterburner	Eclipse Thermjet TJ27.0150-A1	
	Main Burner	Eclipse Thermjet TJ27.0150-A1		

Property	General	City Gallery	B1	Ygnis EM315
		Central Library	B1	Aquatherm AY750
			B2	Aquatherm AY750
		TSB Arena	RH1	Horizon HR.130 (38kW)
			RH3	Horizon HR.130 (38kW)
			RH4	Horizon HR.130 (38kW)
			RH5	Horizon HR.130 (38kW)
			RH7	Horizon HR.130 (38kW)
			RH9	Horizon HR.130 (38kW)
			RH10	Horizon HR.130 (38kW)
			RH11	Horizon HR.130 (38kW)
			RH12	Horizon HR.130 (38kW)
			RH13	Horizon HR.130 (38kW)
			RH14	Horizon HR.130 (38kW)
			RH16	Horizon HR.130 (38kW)
			AHU1-Plim.Arc	Aquatherm Clever AC120
		Opera House	B1	Hoval
		Wellington Museum	B1	Hygromatik HyLine 70 steam electrode
			B2	Hygromatik HyLine 70 steam electrode
			B3	Gael Modular
			B4	Baxi Model Luna Duo-TEC MP 1.110
		Michael Fowler Centre		Hoval ST1600 with Baltur BGN50 Burner
				Hoval ST1600

Air Discharge Consents

We do not have a streamlined process to determine if any Discharge to Air consents are held for these assets. It would require substantial officer time to investigate and locate documentation relating to this.

The Council is going to have to refuse this part of your request, under LGOIMA s17(f), as the information cannot be made available without substantial collation and research.

Gas Displacement Plans

We are investigating transitioning away from natural gas, as part of our Te Atakura First to Zero goal for the Council to be net zero carbon by 2050. This work is most advanced for 11 of our top users (87.5% of the Council's stationary energy emissions from natural gas use) and seeks to understand when the current assets will reach the end of their useful life, and the benefit of transition to an electric fuel source. Depending on the outcomes of the Council's emissions reduction plan (also under development) we may decide to replace natural gas supplies sooner than at the end of their useful life. No decisions on natural gas use have yet been made operationally or by Council, other than an assumption that natural gas will not be in alignment with our Te Atakura goals.

Currently we are working through the design stages of installing electricity fuel space heating for the City Gallery, Wellington Town Hall and Michael Fowler Centre. Assuming all consents are obtained, this installation will take place end of 2022. The Council is carrying out a design to transition the TSB arena to a full electric facility with this design being used as a part of the building's Asset Renewal Programme.

The Council is also installing electric space heating at Tākina (Wellington Convention and Exhibition Centre) and designing a 100% electric system at Te Matapihi ki te Ao Nui (Wellington Central Library) as a part of the strengthening project.

If you disagree with the decision to refuse part of your request (Air Discharge Consent question), you can apply in writing to the Ombudsman to have the decision investigated and reviewed under section 27 (3) of the Local Government Official Information and Meetings Act 1987.

Please contact me if you have any questions.

Yours sincerely



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