



11 March 2024

Byron Cummins



Dear Byron Cummins

Request for Information – Local Government Official Information and Meetings Act (the Act) 1987

We refer to your official information request dated 15 February 2024. We will answer each of your questions in turn.

Supplementary: The business case was modeled on HCC outlay of \$370,000.00, yet your original investment was then estimated to be \$7410,000.00, which then finished at \$1,180,628

SQ1 – please advise the actual numbers on why there was a 100% increase from the modelling to the estimation.

Answer:

Please find attached a spreadsheet that shows the total cost of the project for installation and purchase of the charging units.

The increase in estimated costs from \$740,000 (ex GST) at the time of the business case, to the finalised cost of \$1,180,628 ex GST, was as follows:

- At the time of the business case, all costs were estimates. A procurement process conducted in 2021 provided increased certainty on some costs (eg charging units). Other costs such as the installation costs could not be confirmed until detailed site assessments were completed.
- EECA's co-funding contribution is fixed, so once the project has commenced, any cost increases must be borne by Council.



- The main driver of the cost increase was the need to have new power connections set up and new transformers installed at both the Avalon Park and the Wainuiomata Hub site. Total additional costs amounted to \$292,106 for those two sites alone, about 66% of the total cost increase. The remainder of the cost increase was due to some variations regarding installation costs (site specific), and due to the purchase of two larger 75kW units (instead of four smaller 24kW units and pedestals).
- Regarding the latter, while this meant that the cost per charging bay increased from \$17,307 to \$28,395 (and total project costs increased by \$44,354 compared to using the slower 24kW units). This approach meant that the sites could be future proofed, and the long-term utility for EV drivers is significantly higher as the 75kW units enable much faster charging.

SQ2 - please provide the cost details on where the 320% increase from modeling numbers to actual outlay will be recovered.

Answer:

We are refusing this part of your request under section 17(e) of the Act, as the information requested does not exist.

This work has not yet been done. Any such analysis will need to be cognisant of the uncertainty around the future assumptions regarding EV charging station use by EV drivers (which will be subject to a range of factors, some of which are outside the control of HCC).

SQ3 - please provide the updated cost recovery on the actual capital outlay and how many charges at how long it will take to recover the funding and how this has affected the model numbers.

Answer:

We are refusing this part of your request under section 17(e) of the Act, as the information requested does not exist.

As noted above, a post-project evaluation has not yet been carried out. Any such analysis will need to be cognisant of the uncertainty around the future assumptions regarding EV charging station use by EV drivers (which will be subject to a range of factors, some of which are outside the control of HCC).

You have the right to seek an investigation and review by the Ombudsman of this decision. Information about how to make a complaint is available at www.ombudsman.parliament.nz or freephone 0800 802 602.

Please note that this response to your information request may be published on Hutt City Council's website. Please refer to the following link: www.huttcity.govt.nz/council/contactus/make-an-official-information-act-request/proactive-releases

Yours sincerely

Philip Rossiter

Senior Advisor, Official Information and Privacy

Site	ICP	Install Cost	OTHER - Zero	OTHER - Project Mgmt	TOTAL Cost Install	Unit Cost - 24/25kW DC
Avalon Park	\$143,430.00	\$80,356.14	\$245.00	\$25,000.00	\$249,031.14	\$14,547.00
Wainuiomata	\$148,676.00	\$70,468.49	\$196.00	\$20,000.00	\$239,340.49	\$14,547.00
Stokes Valley	\$0.00	\$39,186.00	\$98.00	\$10,000.00	\$49,284.00	\$18,089.00
WNS	\$3,876.85	\$82,591.24	\$147.00	\$15,000.00	\$101,615.09	\$14,547.00
Moera	\$11,194.52	\$77,807.55	\$98.00	\$10,000.00	\$99,100.07	\$14,547.00
Seaview	\$0.00	\$24,537.00	\$98.00	\$10,000.00	\$34,635.00	\$18,089.00
TOTAL	\$307,177.37	\$374,946.42	\$882.00	\$90,000.00	\$773,005.79	

Original cost estimate

\$370,000.00

Difference

\$403,005.79

RE: Install of EV chargers at Avalon Park – Road Side

We thank you for the opportunity to offer a quotation for the above project.

Our price is based on the following information;

- Site visit by Ray Lynch and Michael Nand
- Documentation supplied by Meridian

Install of 2 x 25kW DC ABB chargers, 2 x 22kW dual AC charger and 1 x 75kW D Tritium charger

The price is made up of the following:

- Fencing of work zone
- Scanning of services in area
- Trenching to charger locations – Grass
- Reinstatement of top surfaces
- Install of 5 x plinths as per Meridian spec
- Supply and install 500A stainless steel switchboard
- Install of plinth for switchboard
- Install of 1 x 120mm² cable from transformer to DB
- Install of 2 x 16mm 4C+ E cable from DB to AC chargers
- Install of 3 x 16mm 4C +E cable from DB to DC chargers
- Installation of Meridian blades
- Installation, testing and commissioning of 2 x 25kW DC and 2 x 22kW dual AC and 1 x 75Kw D chargers
- Bump stops, signage on poles in concrete (2) and car park marking
- Minor traffic management
- As-built documentation supplied to site post install
- Documentation provided as per Meridian requirements

All work is done as per Worksafe EV guidelines and a completed Electrical Safety Certificate will be supplied at the completion of the project.

Exclusions:

- Rollards

- Dollars
- Security
- No Supply of EV chargers
- Removal of cars

- Connection costs (if any)
- Load monitoring if required
- Out of hours work

Total price for DC chargers: \$70,512.00 (Seventy thousand, Five Hundred and Tw
GST

Total price for AC chargers: \$18,792.00 (Eighteen thousand, Seven Hundred and
dollars) + **GST**

Our Quotation is open for acceptance for a period of thirty days and subject to ANSL

Qty.	Total Cost 24/25kW	Unit Cost - 75kW DC	Qty.	Total Cost - 75kW DC	Unit Cost - Blade	Qty.	Total Cost - Blade	Total cost charging units
4	\$58,188.00	\$56,791.00	1	\$56,791.00	\$2,760.00	4	\$11,040.00	\$126,019.00
3	\$43,641.00	\$56,791.00	1	\$56,791.00	\$2,760.00	3	\$8,280.00	\$108,712.00
2	\$36,178.00		0	\$0.00	\$3,500.00	2	\$7,000.00	\$43,178.00
3	\$43,641.00		0	\$0.00	\$2,760.00	3	\$8,280.00	\$51,921.00
2	\$29,094.00		0	\$0.00	\$2,760.00	2	\$5,520.00	\$34,614.00
2	\$36,178.00		0	\$0.00	\$3,500.00	2	\$7,000.00	\$43,178.00
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16	\$246,920.00		4	\$113,582.00			\$47,120.00	\$407,622.00

\$370,000.00
\$37,622.00

RE: Install of EV chargers at Stokes Valley Hub

We thank you for the opportunity to offer a quotation for the above project.

Our price is based on the following information;

- Site visit by Ray Lynch
- Documentation supplied by Meridian

C Option A - Install of 2 x 25kw DC Delta charger and 1 x 24kw ABB Terra

The price is made up of the following:

- Fencing of work zone
- Scanning of services in area
- Trenching to charger locations along pavement
- Reinstatement of Asphalt and Concrete
- Install of 3 x plinths as per Meridian spec
- Modifications to existing switchboard to allow additional 2 x 50A MCBs, 3 x B type RCDs
- Install of cable pit for access to cables
- Install of 3 x 16mm cables from DB approx. 35m to charger locations, cables will be in ducts to minimise visual impact when exiting building
- Installation of Meridian blades
- Installation, testing and commissioning of 3 x DC EV chargers
- Bump stops, signage on poles in concrete (2) and car park marking
- Traffic Management and CAR application
- As-built documentation supplied to site post install
- Documentation provided as per Meridian requirements

All work is done as per Worksafe EV guidelines and a completed Electrical Safety Certificate is supplied at the completion of the project.

Cabling will be run within the building and then cored out of the concrete base and installation enclosure over the ducts.

Exclusions:

- Bollards
- Security
- No Supply of EV chargers

RE: Install of EV

We thank you for the opportunity to offer a quotation for the above project.

Our price is based on the following information;

- Site visit by Ray Lynch
- Documentation supplied by Meridian

Option B - Install of 2 x 25kw DC Delta charger and 1 x 24kw ABB Terra

The price is made up of the following:

- Fencing of work zone
- Scanning of services in area
- Trenching to charger locations along pavement
- Reinstatement of Asphalt and Concrete
- Relocation of 1 bollard
- Install of 4 x plinths as per Meridian spec
- Supply and installation of 3 x DC EV chargers
- Install of plinth for 24kw ABB Terra charger
- Install of 1 x 95mm duct to DB
- Install of 2 x 16mm cables from DB approx. 35m to charger locations, cables will be in ducts to minimise visual impact when exiting building
- Installation of Meridian blades
- Installation, testing and commissioning of 3 x DC EV chargers
- Bump stops, signage on poles in concrete (2) and car park marking
- Traffic Management and CAR application
- As-built documentation supplied to site post install
- Documentation provided as per Meridian requirements

- The supply of EV chargers
- Removal of cars
- Connection costs (if any)

All work is done as per W supplied at the completior

Exclusions:

- Load monitoring if required
- Out of hours work

- Bollards
- Security

Total price for 3 x DC chargers: \$45,306.00 (Forty Five thousand, Three Hundred ar
GST

Our Quotation is open for acceptance for a period of thirty days and subject to ANSL te

- Load monitoring if re
- Out of hours work

Ninety Two

**Total price for DC chargers
 GST**

. terms of trade.

**Total price for AC chargers
 GST**

Our Quotation is open for acc

Kind regards



TOTAL
\$375,050.14
\$348,052.49
\$92,462.00
\$153,536.09
\$133,714.07
\$77,813.00
<u>\$1,180,627.79</u>

\$740,000.00

\$440,627.79

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Lynch and Michael T

supplied by Meridian

2 x 25kw DC ch

the following:

zone

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RE: Install of EV chargers at Wainuiomata

We thank you for the opportunity to offer a quotation for the above project.

Our price is based on the following information;

- Documentation supplied by Meridian

Install of 2 x 22Kw Dual Businessline, 3 x 25kW DC ABB chargers and Tritium EV chargers – Option B

The price is made up of the following:

- Fencing of work zone
- Scanning of services in area
- Trenching to charger locations – Asphalt and Grass
- Reinstatement of top surfaces
- Install of 6 x plinths as per Meridian spec
- Supply and install 100A stainless steel switchboard - LVDB
- Install of 1 x 120mm² cable from transformer to DB
- Install of 2 x 16mm 4C+ E cable from DB to AC chargers
- Install of 4 x 16mm 4C +E cable from DB to DC chargers
- Installation of Meridian blades (6)
- Installation, testing and commissioning of 2 x 22Kw Dual Businessline, 3 x 25kW DC Tritium EV chargers
- Bump stops, signage on poles in concrete (2) and car park marking
- Minor traffic management
- As-built documentation supplied to site post install
- Documentation provided as per Meridian requirements

All work is done as per Worksafe EV guidelines and a completed Electrical Safety Certificate supplied at the completion of the project.

worksafe EV guidelines
of the project.

Exclusions:

- Bollards
- Security
- No Supply of EV chargers
- Removal of cars
- Connection costs (if any)

required

- Out of hours work

Price: **\$69,509.00** (Sixty Total price for DC chargers: **\$72,240.00** (Seventy Two thousand, Two Hundred and Forty
GST

Price: **\$31,230.00** (Thirty Total price for AC chargers: **\$26,752.00** (Twenty Six thousand, Seven Hundred and Fifty
dollars) + GST

Our Quotation is open for acceptance for a period of thirty days and subject to ANSL terms
acceptance for a period

Kind regards



RE: Install of EV chargers at Moera

We thank you for the opportunity to offer a quotation for the above project.

Our price is based on the following information;

- Site visit by Ray Lynch and Michael Nand
- Documentation supplied by Meridian

Install of 2 x 25kW DC ABB chargers EV chargers

The price is made up of the following:

- Fencing of work zone
- Scanning of services in area
- Trenching to charger locations – Grass, asphalt and concrete
- Reinstatement of top surfaces
- Install of 2 x plinths as per Meridian spec
- Supply and install 100A stainless steel switchboard - LVDF
- Install of 1 x 25mm cable from transformer to DB
- Install of 2 x 25mm 4C +E cable from DB to DC chargers -
- Installation of Meridian blades
- Installation, testing and commissioning of 2 x 25kW DC
- Bump stops, signage on poles in concrete (2) and car park
- Minor traffic management
- As-built documentation supplied to site post install
- Documentation provided as per Meridian requirements

and 1 x 75Kw DC

DC ABB chargers and

rate will be

All work is done as per Worksafe EV guidelines and a completed E supplied at the completion of the project.

Pricing is based off running the cable feed around the Moera Council then trenching from the nearest open point to the charging location:

Exclusions:

- Bollards
- Security
- No Supply of EV chargers

y dollars) +

Two

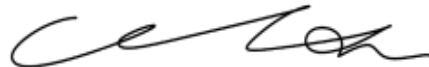
- Out of hours work

of trade.

Total price: \$53,106.00 (Fifty Three Nine thousand, One Hundred

Our Quotation is open for acceptance for a period of thirty days a

Kind regards



Craig Chiverton | Key Accounts and Project Manager



project.

ete cutting

B

- 65m and 70m runs

◁ marking

Electrical Safety Certificate will be

oil building using white conduit and
s.

ed and Six dollars) + **GST**

and subject to ANSL terms of trade