



City of **HOBART**

Memorandum: Lord Mayor
Deputy Lord Mayor
Elected Members

Response to Question Without Notice

SOLAR PANELS

Meeting: Finance and Governance Committee Meeting date: 12 November 2019

Raised by: Councillor Dutta

Question:

Could the General Manager please advise of the number of Council owned buildings with solar panels installed and the total amount of energy expenditure savings the Council is benefiting from due to the use of the panels?

Response:

The Director advises that PV installations undertaken to date include the following 16 sites:

PV System	PV system power [kW]
HCC DKHAC	100.0
HCC Centrepont Carpark	30.8
HCC Resource Tip Shop	5.3
HCC Athletics Centre	15.0
HCC Cat Centre	5.3
HCC Mathers House	13.5
HCC Mornington Nursery	13.5
HCC Hobart Central Car Park	19.8
HCC City Hall	31.1
HCC Bushlands Depot	25.7
HCC Town Hall	25.0
HCC Waste Transfer Station	46.2
HCC North Hobart Oval	45.0
HCC Clearys Gates	46.0
HCC DKHAC 300kW	300.0
HCC Mawson Pavilion	25.0
Total	~ 747.0

The average energy production from 747 kW of PV in Hobart is approximately 863,796 kWh (this is NREL data adjusted down to account for degradation over 25 years – from <https://pwwatts.nrel.gov/>).

Analysis shows a cost saving (after accounting for all costs including cost of capital, maintenance, inverter replacement and panel disposal at end of life) of about 5.5 cents per kWh between PV and grid energy, therefore savings of \$43,189.80 per year.

As signatory to this report, I certify that, pursuant to Section 55(1) of the Local Government Act 1993, I hold no interest, as referred to in Section 49 of the Local Government Act 1993, in matters contained in this report.

A handwritten signature in black ink, appearing to read 'Peter Carr', with a stylized flourish at the end.

Peter Carr
DIRECTOR CITY INNOVATION

Date: 5 May 2020
File Reference: F19/149359; 13-1-10