

**SWYDDFA CYMORTH Y CABINET
CABINET SUPPORT OFFICE**

Fy Nghyf / My Ref: CM32382
Eich Cyf / Your ref: RDB/PM/RP/14.07.15

Dyddiad / Date: 16 November 2015



Councillor Paul Mitchell
Chair, Environmental Scrutiny Committee
Scrutiny Services
Room 263
County Hall
Cardiff
CF10 4UW

Annwyl / Dear Councillor Mitchell

Environmental Scrutiny Committee - 14 July 2015

Thank you for your letter from Acting Chairperson Councillor Elizabeth Clark in relation to the Environmental Scrutiny Committee Meeting held on 14 July 2015.

Please see information below on the Council's Energy Projects and Proposals for the Route to Market and the Implications of the Well-being of Future Generations (Wales) as requested.

Council's Energy Projects and Proposals for the Route to Market

It was explained at the meeting that Cardiff would soon be able to produce 40 Mega Watts (MW) of electricity per annum and that 30 MW of this would be provided by the Viridor energy from waste facility.

Please see a response to your following questions:

- ***By when it is anticipated that Cardiff will be able to produce 40 MW per annum of renewable electricity***

I can advise that Cardiff has 8.2MW of peak renewable electricity capacity installed from microgeneration sources

The Viridor Energy from Waste site is commissioned and has a capacity of 30MW.

Due to the recent consultation on Feed in Tariffs it is expected that there will be an increase in installations towards the end of this calendar year, as well as the Council's ambition to install a solar farm at Lamby Way. It is anticipated that this would result in 40MW being achieved in the City by April 2016.

ATEBWCH I / PLEASE REPLY TO: Swyddfa Cymorth Y Cabinet / Cabinet Support Office,
Ystafell / Room 514, Neuadd y Sir / County Hall,
Glanfa'r Iwerydd / Atlantic Wharf, Caerdydd / Cardiff,
CF10 4UW Ffon / Tel (029) 2087 2479

- ***An estimate of total annual electricity consumption in Cardiff (with residential and industrial values to be illustrated);***

It is difficult to accurately measure energy consumption within the city for two reasons. Firstly, the local distribution network does not conform to the authority's boundaries. Secondly, the local distribution network records power loads required as maximum at any one time and not the actual consumption minute by minute i.e. not the energy used.

Nevertheless, information has been provided by Western Power Distribution for power usage across all relevant city sub stations. Based on this data the city has a maximum demand of 308GW at any point in time.

Unfortunately, this data cannot yet be broken down by sector as it has been derived from substation data; we continue to work with relevant bodies to determine improved to better understand the City's longer term resilience.

- ***A breakdown of how much of the estimated 40 MW of electricity produced in Cardiff will be generated by Cardiff Council and other local partners respectively.***

Subject to the Solar Farm installation at Lamby Way it is anticipated that Cardiff Council's contribution will be as follows:

- Existing Council Operational Buildings – 320kW
- Existing Council Housing – 217kW
- Lamby Way Solar Farm – 5000kW
- A proportion of the Viridor facility is generated from Cardiff's waste and initiated by Cardiff's contractual management of Prosiect Gwyrdd. 50% is sourced from our Partner Authorities and the City. Cardiff will also facilitate the development of a District Heat Network.

Applying these figures to a total capacity of 42.67MW results in Cardiff Council's contribution to be approximately 13%.

Implications of the Well-being of Future Generations (Wales)

The Welsh Government consultation on the draft statutory guidance for the Well-Being of Future Generations (Wales) Act is currently open. The guidance has been split into two key parts: Core Guidance that introduces the reader to the Act, and further Technical Guidance on the actions public bodies, public services boards and community councils must follow in order to comply with the Act. The consultation closes on 16 November 2015.

A corporate response is being drafted to take into account views from the key areas affected by the proposed guidance, and to highlight areas where Cardiff is already undertaking good practice. We are keen to minimise any bureaucracy in implementing the Act and to embrace any positive opportunities that the legislation may offer. The key areas affected by the guidance are corporate planning, performance management, partnerships, finance, procurement, risk management, workforce planning and asset management.

As part of our ongoing work with the WLGA as an 'Early Adopter' of the legislation we are holding a workshop with officers from these key areas to further consider the impact of the legislation and to look at where change needs to occur across the Authority. Additionally Welsh Government are holding consultation events around Wales during October and officers will attend the Cardiff consultation event.

I note your comments that this will need to be reviewed by the Policy Review and Performance Scrutiny Committee and will be considered in their work programme.

Thank you again for your time, advice and support on these matters.

Yn gywir,
Yours sincerely,



Councillor / Y Cynghorydd Ramesh Patel
Cabinet Member for Transport, Planning & Sustainability
Aelod Cabinet dros Drafnidiaeth, Cynllunio a Chynladwyedd

Cc to: Andrew Gregory, Director for City Operations
Tara King, Assistant Director for the Environment
Gareth Harcombe, Operational Manager – Energy & Sustainability
Paul Keeping, Operational Manager, Scrutiny Services
Joanne Watkins, Cabinet Office Manager
Members of the Environmental Scrutiny Committee