



# GBP Plot B

Statement of Energy



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The energy strategy for the proposed Plot B development at Glasgow Business Park demonstrates compliance with Policy CDP 5 of the Glasgow Development Plan.

The installation of photovoltaics and an ASHP demonstrates compliance with both Section 6 of the Scottish Building Regulations and Policy CDP 5.

## EXECUTIVE SUMMARY

This Statement of Energy (SoE) provides a response to Policy CDP 5 Resource Management of the Glasgow City Development Plan (adopted 29<sup>th</sup> March 2017), for the proposed Plot B development at Glasgow Business Park (GBP).

The energy strategy outlined in this report demonstrates that the development complies with Section 6 (Energy) of the Scottish Technical Standards with a LZCGT, achieving Gold Active level of certification against Section 7 of the building regulations.

The opportunities for district heating have been investigated, however there are no heat networks within feasible distance of the development. The heat demand of the building is also insufficient to support the creation of a new heat network. As a result of this analysis, a district heating scheme will not be pursued further.

The proposals are to apply an all-electric heating strategy to the building using air source heat pump VRF technology to condition the office accommodation, with 110m<sup>2</sup> of photovoltaics generating 19MWh/annum of renewable electricity. This strategy allows the building to achieve compliance with carbon criteria of Policy CDP 5.

A completed copy of the SoE form is provided in Appendix A of this report and the BRUKL report provided in Appendix B.

## 1.0 INTRODUCTION

This report has been prepared to address the aims and objectives of Policy CDP 5 Resource Management of the Glasgow Development Plan (adopted 29<sup>th</sup> March 2017) for the proposed GBP Plot B Development.

The GBP Plot B development will be situated on Wardie Road just off the M8 motorway and will consist of a large warehouse distribution area along with an office, reception area and showers.

In response to Policy CDP 5, Atelier Ten have completed energy modelling to define the energy strategy that demonstrates compliance with Section 6 of the Scottish Technical Handbooks, as well as investigating the opportunity for district heating, and potential for renewable technologies.