

## Energy Management Engineer

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**Department:** Infrastructure, Housing and Environment

**Division:** Property

**Reports to:** Property Strategy Asset Manager

**JE Reference:** IHE1058.1

**Grade:** 11

**JE Date:** 19/4/2021

### Job purpose

Creating and overseeing an Energy Management Strategy and Policy Framework across the Governmental property portfolio. The strategy will deliver a measurable framework for the incoming, utilisation and emissions of the energy usage and generation across the Governmental portfolio, create energy awareness and reduce the overall energy usage, to ensure best value and cost-effective operation of the properties, and enable them to conform to Government mandated environmental targets, minimise environmental footprint and to ensure a suitable environment to allow users to meet their objectives. .

### Job specific outcomes

Create and oversee an Energy Management Strategy and Framework based on industry standards (e.g. British Standards. ISO etc.) and good practice guidelines and incorporating existing Government policies and commitments for the existing and proposed property portfolio. Create an open protocol Framework to accept future changes in the short, medium and long-term plan of the Estate Strategy.

Review, adapt and propose policies on the use of energy across existing property assets, monitoring consumption and utility usage and recommending changes or energy efficiencies on the portfolio, ensuring that these operational policies are consistent with general Government policies and key objectives.

Monitor the energy performance of all the systems across public properties, establishing benchmarks for comparison with other properties within and outside the portfolio and utilising this information to prioritise future direction and expenditure.

Undertake utility analysis for tariff cost evaluation.

Rationalise specialist building management systems to achieve an appropriate level of commonality without compromise to competitive purchasing options. Provide performance monitoring and reporting capabilities.

Provide technical advice to contractors and oversee the Building Management Systems Network for existing systems and new projects. Provide operational, modifications and alterations based on technical analysis of the historic data.

Provide specialist technical advice as part of the design and delivery of cost effective and energy efficient buildings related to refurbishments, building extension and modernisation capital projects. Update the Energy Management Strategy and Framework to include alterations and additions to the Government property portfolio.

Liaise with property occupants, carrying out education and training to enable them to operate effectively the buildings which they utilise. Also, gather feedback from occupants on the usability of energy systems, liaising with Engineers and Maintenance Practitioners to address any issues and optimise energy usage.

Keep abreast of new developments, technologies, changes in standards and legislation that affect the use of energy and ensure integration of best practice and safety standards in the design and maintenance of energy systems across the Government property portfolio.

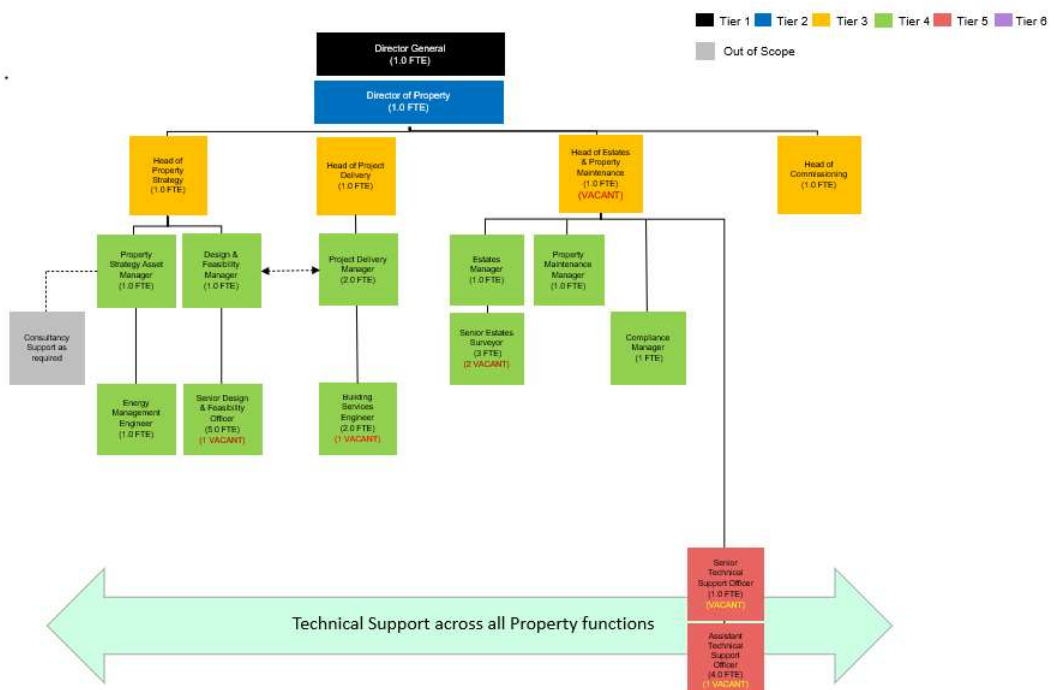
Liaise with other Government departments, in particular Strategic Policy, Planning and Performance, and external utility provider organisations to ensure the implications of policy or industry changes are tracked and do not disadvantage the public estate.

### Statutory responsibilities

Active engagement, participation and compliance with any other statutory responsibilities applicable to the role, as amended from time to time.

This role is politically restricted. The job holder is not permitted to undertake political activity involving standing for election to the Government or as a Parish Constable, or publicly supporting someone who is standing for election or playing a public part in any political manner.

### Organisational structure



## Person Specification

### Specific to the role

ATTRIBUTES	ESSENTIAL	DESIRABLE
<b>Qualifications</b>	<p>Degree in Building Services Engineering or equivalent gain through equivalent technical qualifications</p> <p>Membership of a relevant professional body e.g. Chartered Association of Building Engineers</p>	
<b>Knowledge</b>	<p>Extensive working knowledge of energy management and practices, renewable technologies, mechanical installations, electrical services and Building Management Control Systems.</p> <p>In-depth knowledge mechanical and electrical installations.</p> <p>Detailed knowledge of planning, legal and regulatory frameworks governing building works e.g. Jersey Building Regulations including Bye-laws, Codes of Practice, Health and Safety related to construction etc.</p> <p>Ongoing Continuing Professional Development to remain up-to-date with the latest methodologies and industry research and best practice.</p> <p>Knowledge of the Government of Jersey or a comparable organisation and its strategy and functions.</p>	<p>Knowledge of:</p> <p>The activity and processes of Government including interaction between politicians and officials.</p> <p>Management reporting as it relates to this role.</p> <p>The departmental priorities, key objectives, risks and issues relevant to the department division and the role.</p>
<b>Technical / Work-based Skills</b>	<p>Computer literate with ability to operate the Microsoft Office package.</p> <p>User of Computer Aided Design (CAD) and Building Management System and management reporting</p>	
<b>General Skills/Attributes</b>	<p>Strong relationship building skills.</p> <p>Good planning and organising skills.</p> <p>Excellent verbal and written communication skills.</p> <p>Ability to produce written materials (e.g. letters, reports, discussion papers, proposals) to a high level for presentation to a variety of audiences.</p> <p>Ability to communicate effectively to senior</p>	

	<p>stakeholders and deliver key messages at a suitable level.</p> <p>Ability to influence and persuade a wide range of stakeholders in and outside the department.</p>	
<b>Experience</b>	<p>Minimum 5 years' experience in Building Services Engineering.</p> <p>Experience in delivery against budgets.</p> <p>A proven track record of achieving objectives on time.</p>	

### Core Accountabilities, Attributes and Behaviour Indicators

Appointees to this role will be required to adhere to and perform their duties in line with the standards identified in the Government of Jersey tier 4 core accountabilities, attributes and behaviour indicators.

### Organisational structure

