



THE NORTON  
KNATCHBULL  
SCHOOL

## **Energy and Sustainability Management Policy.**

Reviewed by	Site Manager
Approved by Chair's action	16 <sup>th</sup> November 2021
Re-Approved by Finance & General Purposes Committee	22 <sup>nd</sup> November 2021
Date of Review	Autumn 2022

## **1. Aims**

Our school aims to ensure that it:

- Reduce its carbon emissions and impacts on the environment to protect our world for our pupils,
- create a comfortable learning environment
- and equip our pupils with knowledge and skills for their future.

## **2. Guide**

This document is based on the Department for Education's guidance on [good estate management for schools](#).

This policy complies with our funding agreement and articles of association.

## **3. Roles and responsibilities**

Academies have sole responsibility for the energy management and suitability of the premises.

The Governing board, Head Teacher, and Site Manager will ensure this energy and sustainability management policy is properly implemented, and that tests and inspections are carried out in accordance with this policy.

The overall aim of our energy management system is to reduce energy wastage, improve working conditions, enable us to use more of our funds for education, minimise environmental damage, reduce our dependence on fossil fuels and help raise awareness of sustainable energy issues.

We Will:

- Review this policy regularly
- Reduce our energy use by 5% each year
- Integrate this work with curriculum activities
- Communicate this work to all building users
- Provide training on energy management for our staff and pupils where needed

Roles and Responsibilities Our Energy Team is made up of:

- Our Head Teacher
- Our Site manager
- Our Class Reps
- Our Governor

## **4. Inspection and testing.**

The Energy Team will carry out the action plan and ensure resources are made available.

Our energy team will monitor our energy use and feedback to the rest of the school in assembly quarterly on the progress and changes to the date that has an environmental impact on the school.

The table below sets out the issues we inspect, the performance standard and inspection frequency, where appropriate, and engaging a suitably qualified person to carry out inspection, testing, or maintenance.

ISSUE TO INSPECT	PERFORMANCE	FREQUENCY
<b>Electricity</b> kWh/m <sup>2</sup> /annum	349,220kWh (last school year) Consumption will be monitored monthly using Systems Link energy management software.	<b>Quarterly</b>  <b>Site team</b>
<b>Gas</b> kWh/m <sup>2</sup> /annum	954.983 kWh (last school year) Consumption will be monitored monthly using Systems Link energy management software	<b>Quarterly</b>  <b>Site team</b>
<b>Water</b> m <sup>3</sup> /pupil/annum	8,949.80 m <sup>3</sup> (last school year) Consumption will be monitored monthly using Systems Link energy management software	<b>Quarterly</b>  <b>Site team</b>
<b>Energy Selection and Purchase</b>	The school will check energy invoices monthly against meter readings for gas, electricity, and water using Systems Link energy management software.	<b>Monthly</b>  <b>Site team</b>

ISSUE TO INSPECT	PERFORMANCE	FREQUENCY
<p><b>Investment in Energy Efficiency</b></p>	<p>Within devolved formula capital budget's the school aims to invest in energy-saving schemes of less than £10,000 with paybacks of less than three years. Savings achieved by good housekeeping measures will be reinvested in energy efficiency projects.</p> <p>Where available, grants will be sought to improve energy efficiency, including the Council's invest-to-save scheme for projects meeting the qualifying criteria.</p>	<p><b>Annually</b></p> <p><b>Board of Governors</b> <b>Head Teacher</b></p>
<p><b>Design</b></p>	<p>Energy efficiency will be taken into account in the design of new building projects and any refurbishment by the Local Development Framework and current building standards.</p> <p>Energy efficiency will be considered in the purchase of all new equipment, e.g. computers, catering equipment.</p>	<p><b>Annually</b></p> <p><b>Board of Governors</b> <b>Head Teacher</b></p>
<p><b>Maintenance</b></p>	<p>. Energy distribution systems and energy-using equipment will be correctly maintained to avoid energy and water wastage.</p>	<p><b>Annually</b></p> <p><b>Site Manager</b></p>

ISSUE TO INSPECT	PERFORMANCE	FREQUENCY
<b>Awareness</b>	<p>The school will adopt a Whole School Approach involving everyone associated with the school.</p> <p>Regular awareness initiatives for staff and pupils will emphasise the cost and environmental benefits of saving energy and water and how to avoid waste. Energy-saving information will be provided to catering and cleaning staff. Staff and pupils will also be provided with information on how to save energy at home.</p>	<p><b>Annually</b></p> <p><b>Head Teacher</b> <b>Senior Leadership Team</b> <b>Governors</b></p>

## 5. Our Action Plan

ACTION	DETAILS	TARGET DATE
Upgrade internal lighting	To convert all internal lighting to 100% Led	<p><b>Target dates.</b></p> <p><b>2021 30%</b></p> <p><b>2022 50%</b></p> <p><b>2023 75%</b></p> <p><b>2024 100%</b></p>
Upgrade external Lighting	To convert all external lighting to 100% Led or solar where appropriate	<p><b>Target dates.</b></p> <p><b>2021 40%</b></p> <p><b>2022 100%</b></p>
Reduce heating costs	To upgrade heating systems with new heat pumps or more eco-friendly boilers	<p><b>Target date</b></p> <p><b>2025</b></p>

ACTION	DETAILS	TARGET DATE
To improve thermal insulation on preexisting roof structures.	To update the list of the 1960's buildings on the estate This will address heat loss and reduce terminal movements within the structure.	<b>Target date</b> <b>2021 50%</b> <b>2022 75%</b> <b>2023 100%</b>
To update all non-compliant single-pane windows and structures	To update all windows situated in the ART/DT and Music block areas. To reduce heat loss and improve fire rating under the Regulatory Reform(Fire Safety) order 2005.	<b>Target</b> <b>2022 80%</b> <b>2023 20%</b>
Renewable energy. Solar Heat exchange	Explore the RE: Fit program to expand the use of solar panels over the estate.  To look at renewal energy solutions going forward to heat the school when required	<b>Target</b> <b>2024</b> <b>2025</b>

## 6. Reporting

An annual energy performance report will be prepared by the School Energy Team. This will be submitted to the Board of Governors and a summary will be incorporated into the school annual report and school development plan.

**Name:** Simon Hallam

**Signature:**

**(Chair of Governors)**



**Name:** Richard Hoyte

**Signature:**

**(Senior Assistant Headteacher)**



**Date:** 18<sup>th</sup> November 2021