

## **ENVIRONMENTAL & SUSTAINABILITY POLICY**

### **POLICY STATEMENT**

JTP aims to minimise the impact of our activities on the environment.

### **KEY OBJECTIVES**

- 1) We aim to provide clients with a high quality service in an environmentally responsible manner.
- 2) We will seek to incorporate the use of practices, materials and products that are compatible with our commitment to prevention of pollution.
- 3) We will comply with all relevant current environmental legislation.
- 4) We will ensure that proper managerial, technical and administrative controls operate in order to enable this policy to be maintained.
- 5) We will actively promote recycling both internally and amongst our suppliers.
- 6) We will ensure that all personnel involved in the organisation's operations are fully aware of the practice's approach to the environment and sustainability.
- 7) We will encourage the adoption of similar principles by its suppliers.

### **WORKPLACE CONSIDERATIONS**

We consider that our main causes of concern arise from use of energy, production and disposal of waste, printing activities and use of motor vehicles in our operations. We routinely assess the significance of these impacts, set targets for continuous improvement, and periodically review our performance towards meeting our objectives.

To reduce our environmental impact we:

1. Recycle all paper, cardboard, plastics, glass and cans through the First Mile Mixed recycling scheme.
2. Use recycled photocopier/printer paper.
3. Use secure printing and default all printers to duplex printing and black/white printing.
4. Have a pool car for company use.
5. Ensure staff use public transport for travel where possible and encourage cycling.
6. Use economy or premium economy air travel wherever feasible.
7. Utilise video conferencing facilities and encourage the use of Skype to reduce air miles.
8. Support local businesses.

In 2008 we undertook the fit-out of our new London Studio which incorporates measures to reduce our carbon footprint. These include; a secure cycle parking store, lockers and showers, specification of renewable, recycled or recyclable materials, use of phase change materials as heat sinks, installation of brise-soleil shading, use of natural ventilation and passive stack principles, on-site micro-generation of electricity and solar hot water, water conservation, low energy lights and A-rated fittings, and renewable electricity.

In late 2012 we began introducing a virtualised network reducing our servers from twelve to two, needing less energy to both operate and cool – estimated saving of approximately 50%.

## PROJECT CONSIDERATIONS

JTP utilises our own knowledge and experience in assessing each project for potential environmental design opportunities. These measures may range from the integration of passive solar design to the use of active energy saving technologies some of which have been showcased in the London Studio fit-out.

We have developed an in-house environmental assessment matrix whereby projects are reviewed under the following categories:

- Efficient use of resources,
- Energy Strategy,
- Waste Strategy,
- Green Infrastructure,
- Blue Infrastructure,
- Movement Strategy and
- Social Infrastructure

This assessment tool enables us to capture the degree to which our projects are embedding the principles of sustainable design and to better understand which clients have the appetite to explore and implement these measures. At the outset of a project we would discuss what is feasible and where there are constraints we will advise the most cost effective methods of achieving an environmentally responsive scheme. Some solutions are extremely simple, for example changing the orientation of a scheme to allow passive design principles.

JTP's approach to environmental design can be best demonstrated through the following projects:

- In 2016 JTP entered the British Homes Awards competition to design a resilient home for the future.

JTP and Ed Barsley's design, 'A Home for All Seasons', was one of five shortlisted for the competition, and was determined the winner through a public vote.

The house focuses on providing long-term protection, comfort and independence for residents through resilience, rather than resistance, to extreme weather conditions. The team's submission states that the proposal "encourages a change in how we perceive risk and live with uncertainty".

The home is designed to anticipate extreme weather events, through integrating simple, low-tech features with technology where appropriate. The living areas and power utilities are positioned on the first floor to allow water to flow through the ground level and drain away easily, and a smartphone app warns residents of approaching floods, enabling them to move their cars to designated safe spaces on higher ground.

JTP are now exploring a range of potential sites to see if the Home For All Seasons can be developed into a working prototype.

We have developed specialist expertise in resilient design through this project and are applying this knowledge to other projects across the practice.

- At St Clements Hospital in East London, the site will be served by an on-site energy centre housing a CHP partially powered by biomass. This will provide highly efficient and low carbon thermal energy to the development by a system of buried district heating mains. The proposals are anticipated to reduce CO2 emissions well in excess of the policy requirements. The apartments will be ventilated using a system of mechanical ventilation with heat recovery (MVHR). In addition, the development has been designed to Code for Sustainable Homes Level 4 for the new build residential dwellings and BREEAM Very Good for the refurbished residential dwellings.
- The Shirecliffe, Norfolk Park and Falstaff areas in Sheffield by The Sheffield Housing Company, comprise of 305 new homes across the three sites all of which have received BREEAM Communities 'Very Good' Certificates and are among the first residential schemes in the UK to receive this recognition. The schemes meet the requirements of Code 3 of the Code for Sustainable Homes and

three of the homes at Flagstaff were designed to meet Code 6 (zero carbon). These thermally efficient homes feature rainwater harvesting, photovoltaic panels and low impact locally sourced materials.

- At Graylingwell in Chichester, the environmental sustainability targets being met include Net Zero Carbon for the whole development, Code for Sustainable Homes Level 4, Code 6 for Energy, EcoHomes Excellent on all refurbished buildings, and BREEAM Excellent on all non-residential buildings. The masterplan has been designed to maximise southerly orientation whilst ensuring the creation of active and thriving new streets in a parkland setting.

## RESEARCH AND DEVELOPMENT

- Health and wellbeing: we have undertaken in-house research into the health benefits of good placemaking, exploring how walkable neighbourhoods can influence physical and mental wellbeing. Walking and cycling can contribute to the reduction in the incidence of cardio-vascular disease and type 2 Diabetes, several forms of cancer, respiratory illnesses, mental health problems and transport related accidents. As a result of this research Healthy Placemaking is becoming imbedded in all our projects as we deepen our understanding of the health benefits of well-designed walkable neighbourhoods.

## ENVIRONMENTAL SUSTAINABILITY CHAMPION

One of our partners, Rebecca Taylor, is responsible for championing the practice's approach to environmentally responsive design. She seeks to promote environmental sustainability across the practice and is available to assist in the review of project specific environmental considerations.

Furthermore, we have in-house expertise and experience in the following assessment methods:

1. BREEAM Communities
2. Leadership in Energy & Environmental Design (LEED)
3. BREEAM for Refurbishment and Fit out

## TRAINING

All employees will have appropriate training to ensure that each employee understands the environmental aspects and controls of their responsibilities.

## MEMBERSHIPS

UK Green Building Council  
The Green Register

## REVIEW & RESPONSIBILITY

The management of JTP undertakes to continually review the Environmental & Sustainability Policy and our performance towards meeting our objectives.



Signed (Managing Partner)

24/01/2018

Date

## REVIEW DATE

24/01/2018

## NEXT REVIEW DATE

31/01/2019 or sooner if required