RE-2: Energy – Educational Learning

Intent	To educate visitors on energy efficiency in relation to the cultural and climatic context of Abu Dhabi.
Credit Requirements	**GENERAL** Demonstrate that the project incorporates educational or interpretive elements that are interactive, and provide on-site examples of energy efficiency and conservation in relation to the cultural and climatic context of Abu Dhabi. These may include traditional and contemporary urban design and architectural strategies for outdoor and indoor thermal comfort, energy sources and energy conservation techniques. Demonstrate that the design features promote the connection to responsible behaviour, and help users and visitors understand how sustainability can be applied to off-site situations (e.g. homes, schools and workplaces). Provide activities and educational programs that welcome, encourage and expand sustainability learning on the site, and promote these by creating partnerships with local community groups and schools. **ADDITIONAL REQUIREMENT/CLARIFICATIONS** None
Credit Submission: Design Rating	☐ Narrative describing the proposed educational design features, documenting: ▫ Educational objectives; ▫ Location, design and (if applicable) operation of the features; ▫ Proposed activities and educational programs; and ▫ Strategy for forming connections to local community groups and schools. ☐ Site plans, and drawings indicating the location, arrangement and form of educational features.
Credit Submission: Construction Rating	☐ Updated narrative (where the proposed features have changed from the design stage documentation) describing how the intent is still achieved; and ☐ As-built site plans, drawings and photographs confirming the installation and programming of educational features.
Calculations and Methodology	Appropriate on-site examples of energy efficiency and conservation, could include: ▪ Energy efficient building design on the site; ▪ Energy monitoring results and recorded reductions in energy use, including comparisons to similar sites; ▪ Lighting design to minimise energy consumption and details on control systems; ▪ Details on materials selected, and the benefits that sustainable sourcing has on the environment, including regional materials, durable materials, and recycled materials; ▪ Renewable energy systems, including their benefits and metered energy generated; and ▪ Details on how the sites shading design contributes to reducing the urban heat island effect, and contributes to a more pleasant, usable environment.
References	None