



LOCATION

**Block Island,
Rhode
Island**

Challenge

The challenge was to provide fresh air throughout an air-tight, earthen-built structure to improve breathing and comfort for occupants. The equipment used had to reliably withstand a variety of weather conditions, including extreme cold, high humidity, and salt-laden air.

Solutions

The problem was solved with a BPE-XE-MIR 200 and two fans using less power than a 40-watt light bulb. This high-performance energy recovery component converted the structure into a net-zero energy building despite the salt-laden air of a marine environment. The efficient unit will supply outdoor air without requiring additional heating and cooling. A limited life-time warranty against corrosion is another plus in coping with the ventilation challenges of this Block Island structure off the coast of Rhode Island.