

Project ID	DIP072		
Long Title	Outer Hebrides Local Energy Hub		
Short Title	OHLEH		
Keywords	Small-scale; Rural; Non-domestic; Wind; CHP; Anaerobic Digestion; Fuel Generation; Waste Management; Thermal Storage; Physical Storage; Alternative Fuel Vehicles;		
Location (Town, Region, Country)	Stornoway	Western Isles	Scotland
Latitude and Longitude	59N	3W	
OSGB code	NB 398 314		
Status	Ongoing		
Start Date	2016		
End Date	2018		
Description	<p>Outer Hebrides Local Energy Hub (OHLEH) is an innovative project that will demonstrate how different renewable energy technologies can be integrated to support local energy economies and circular supply chains.</p> <p>The project is taking place on the Isle of Lewis across two sites:</p> <ul style="list-style-type: none"> <li>• <b>Waste Management Facility:</b> The Creed Integrated Waste Management Facility (IWWMF), located just outside Stornoway, Isle of Lewis, is owned and operated by Comhairle nan Eilean Siar (CnES), the Local Authority for the Western Isles. Current features of the site include an anaerobic digester (AD), combined heat and power plant (CHP), electric boiler and thermal store, a wind turbine and a hydrogen system comprising electrolyser, storage and refuelling station.</li> <li>• <b>Fish Hatchery:</b> The Scottish Salmon Company (SSC) owns and operates four hatcheries, 12 marine fish farms and one processing facility on the Island of Lewis and Harris. The salmon hatchery at Barvas, Isle of Lewis, will be the main focus of this project, although fish waste from all SSC sites in Lewis and Harris will be able to be deposited at the Creed IWWMF.</li> </ul>		
Sectors	Non-domestic, waste management		
Funding Sources	Local Energy Challenge Fund		
Budget £	£600,000		
Partners	Comhairle nan Eilean Siar, Community Energy Scotland, Pure Energy Centre, The Scottish Salmon Company		
Energy vectors	Electricity, Heat, Transport		
Scale (lab/small/community/region/national)	Small		
Technologies demonstrated	Anaerobic digestion – waste feedstock, hydrogen generation,		

	hydrogen vehicles, thermal storage, CHP, wind
Economic models demonstrated	Hydrogen economy development, circular economy
Other concepts demonstrated	Waste-to-energy, grid constraint mitigation
Industry engagement	
Consumer engagement	
Project Reports (incl. links)	
Datasets (incl. links)	
Website/social media	<a href="http://www.communityenergyscotland.org.uk/ohleh.asp">http://www.communityenergyscotland.org.uk/ohleh.asp</a>
Information sources	As above