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|--|---|-------|----------|
| Project ID                                     | DIP063  |       |          |
| Long Title                                     | Mull Access   |       |          |
| Short Title                                    | Access  |       |          |
| Keywords                                       | Single Site; Rural; Multi-sector/Grid; Electricity; Hydropower; Power Quality & Grid Integration; Social Impacts; Alternative Suppliers & Tariffs;  |       |          |
| Location 1 (Town, Region, Country)             | Cumbernauld   |       | Scotland |
| Latitude and Longitude                         | 55.97N  | 3.97W |          |
| OSGB code                                      | NS 769 772  |       |          |
| Location 2 (Town, Region, Country)             | Garmony   | Mull  | Scotland |
| Latitude and Longitude                         | 56.49N  | 5.79W |          |
| OSGB code                                      | NM 67 40  |       |          |
| Status   | Complete  |       |          |
| Start Date                                     | 2015  |       |          |
| End Date                                       | 2018  |       |          |
| Description                                    | <p>The ACCESS model will enable new community and locally owned generation that otherwise could not connect to the grid.</p> <p>ACCESS will create a new 'virtual district heating' option for customers who can't connect to gas or conventional district heating networks.</p> <p>ACCESS supports local and national economic development by creating new markets for locally generated electricity in grid constrained areas.</p> <p>The project will trial a new system for balancing local renewable energy generation with local energy demand.</p> <p>The field trial aspect of the project will be based on the Isle of Mull in Argyll and Bute.</p> <p>Additional demonstration testing was carried out at the University of Strathclyde's Power Networks Demonstration Centre in Cumbernauld.</p> |       |          |
| Sectors  | Domestic, non-domestic  |       |          |
| Funding Sources                                | Local Energy Challenge Fund   |       |          |
| Budget £                                       | £2.5 million  |       |          |
| Partners                                       | Community Energy Scotland, University of Strathclyde, VCharge   |       |          |
| Energy vectors                                 | Electricity, Heat   |       |          |
| Scale<br>(lab/small/community/region/national) | Community   |       |          |
| Technologies demonstrated                      | Smart controls, hydropower  |       |          |

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|-------------------------------|--|
| Economic models demonstrated  | Local renewable-linked tariff  |
| Other concepts demonstrated   | Demand response, DNO-consumer engagement, grid constraint mitigation, virtual district heating, generation-demand matching |
| Industry engagement           | Various (undefined)  |
| Consumer engagement           | Various (undefined)  |
| Project Reports (incl. links) | Paper: <a href="https://strathprints.strath.ac.uk/60812/">https://strathprints.strath.ac.uk/60812/</a>                     |
| Datasets (incl. links)        |  |
| Website/social media          | <a href="http://www.accessproject.org.uk/">http://www.accessproject.org.uk/</a>  |
| Information sources           | As above   |