The potential savings in CO2 emissions due to the proposed Development replacing other electricity sources over the lifetime of the windfarm are approximately:

• 165,375 tonnes of CO2 avoided annually, from the wind turbines only, compared with a fossil fuel mix of electricity generation.

• The development is promoted as ‘in perpetuity’ but for an assumed 40 year operational life of the turbines, the turbines only, would save around 6m tonnes of CO2 compared to a fossil fuel mix of electricity, and will repay the carbon emissions related to its construction in around 1.6 years.

• The UK Government announced in June 2019 that it will commit to a new plan to cut greenhouse gas emissions to net zero by 2050, with Scotland’s target set at 2040, to tackle climate change. A further amendment to up the Scottish Government’s interim target to a 75% reduction by 2030, passed through Scottish Parliament in September 2019.

Construction & Operation

Construction Phase:
• Local contractors and suppliers in the local area could secure initial contracts contracts worth around £24 million.
• Contracts worth around £35 million could be available to the wider Scottish market.
• Creation of up to 117 person years of employment in Argyll and Bute and up to 315 in Scotland as a whole during construction.

Operational Phase:
• Positive operational impact of over £50 million GVA locally.
• Positive operational impact of over £170 million GVA in Scotland.
• Between 3 - 5 FTE jobs in the area during operation, further FTE jobs are expected to be supported directly and indirectly elsewhere in Scotland.

Climate Change & Carbon Reduction

Construction & Operation Economic Impact:

Powering the Future

Onshore wind is the lowest-cost form of new power generation available.

UK Public Support for Onshore Wind has reached a record high of 79% according to the BEIS Public Attitudes Tracker report published May 2019.

Voluntary Site Enhancements

• The project will facilitate the construction of a hide where various interesting species and habitats in the area can be observed and enjoyed.

• A viewpoint will be installed at the highest point of Cruach nam Fiadh giving views over the landscape.

• Hydrological improvements will be made in various locations which will assist with flooding concerns over Clachan burn.

• Archaeological features identified during site visits will be preserved and enhanced.

• Footpaths linking the Kintyre Way to the Site will be constructed to open access into and through the Site.

A Habitat Management Plan (HMP) is proposed as part of the Development, which will enhance the nature conservation value of the renewable energy site. The Habitat Management Area (HMA) encompasses a total area of 84 hectares of land, and will support the conservation of peatland and bog habitat.
ScottishPower Renewables is part of the ScottishPower group of companies operating in the UK under the Iberdrola Group, one of the world’s largest integrated utility companies and a world leader in wind energy.

ScottishPower now only produces 100% green electricity – focusing on wind energy, smart grids and driving the change to a cleaner, electric future. The company is investing over £4m every working day in 2019 to make this happen and is committed to speeding up the transition to decarbonise transport, improving air quality and over time, driving down bills to deliver a better future, quicker for everyone.

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**About ScottishPower Renewables**

**Economic Benefits**

- **Once operational the renewable energy development will** contribute £6.9 million of gross revenue per annum, and is a significant sum of gross business rates to the local economy.
- **Education**
  - Meet-the-buyer events to allow local contractors to learn about and tender for local opportunities.
  - They have implemented a Community Benefit Fund and Shared Ownership of nearby local communities.
- **Community benefits**
  - 17 community facilities and service projects totalling £339,025.60
  - 47 community or local events projects totalling £39,089.33
  - 16 environmental projects totalling £30,224.45
  - 11 heritage projects totalling £11,036
  - 26 skills and employment projects totalling £26,344.48
  - 73 sport and recreation projects totalling £79,290.17
  - 129 youth and education projects totalling £102,981.21
- **Energy storage capabilities** providing ancillary services to the grid network.
- **Training and education**
- **References**
  - BiGGAR Economics (2016); Wind Farms and Tourism Trends in Scotland.
  - Scottish Government Carbon Calculator for windfarms v1.6.0
  - BEIS; Electricity Generation Costs, 2016
  - BEIS; Sub-National Electricity and Gas Consumption Statistics, Jan 2018 (based on average household consumption of 3781 KWh)

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**Benefits to the Community**

- Community facilities and services projects totalling £339,025.60
- Community or local events projects totalling £39,089.33
- Environmental projects totalling £30,224.45
- Heritage projects totalling £11,036
- Skills and employment projects totalling £26,344.48
- Sport and recreation projects totalling £79,290.17
- Youth and education projects totalling £102,981.21

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**What is a Renewable Energy Development?**

A RED maximises the potential of a site through the use of renewable energy technologies able to co-exist with each other including Wind, Solar and Energy Storage technologies including Battery.

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**Site Summary - Key Facts**

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<tr>
<th>Economic Benefits</th>
<th>Community and social projects</th>
<th>Local projects</th>
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</thead>
<tbody>
<tr>
<td>£0.6 billion wholesale energy cost savings</td>
<td>17 community facilities and service projects totalling £339,025.60</td>
<td>Local youth group and education projects</td>
</tr>
<tr>
<td>£72,000GW of fossil fuel avoided of 47 million tonnes</td>
<td>47 community or local events projects totalling £39,089.33</td>
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