

CAWARDEN SOLAR FARM

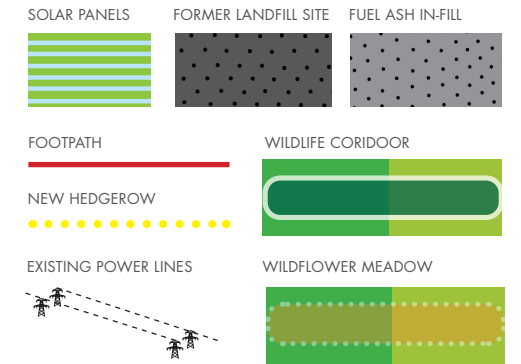
LANDSCAPE AND ECOLOGY MASTERPLAN

Our vision is to create a pioneering project that delivers new renewable energy, significant ecological benefits and where farming continues, providing a model of how agriculture, clean energy and wildlife can thrive side-by-side.

CAWARDEN SOLAR FARM STATS

- 50 megawatts installed capacity
- 60 hectares of land
- Provide enough locally-generated, clean renewable energy to more than 15,700 homes
- 10,000 tonnes of CO2 saved per year equivalent of taking 4,500 cars off the roads
- 11 HGV journeys per day on average during peak construction

KEY



• **A WILDLIFE CORRIDOR** will be created, connecting the areas of existing woodland through the planting of new woodland, hedgerows and species rich grassland.

• **CONNECTING TO THE GRID**
This will be made to the existing high voltage pylons that used to export electricity from the Rugeley power station.

• Areas of the site have previously been used for landfill and a significant area was restored by depositing 145,000m³ of power station fuel ash.

• **THE FOOTPATH** that crosses the site will be retained and its route clearly delineated by planting new hedgerows of native, broadleaf species.

Existing hedgerows in poor condition will be 'gapped-up' bringing them back to good health and providing improved landscape features.



• **AGRICULTURE CONTINUES**
The site is specifically designed to enable sheep to graze, helping to manage the land.



• **A NEW WILDFLOWER MEADOW** will be planted along the southern boundary of the site, significantly improving the biodiversity potential of the land, securing it as a haven for wildlife.



• Solar panels will stand on approx. 30% of the total site area, but less than 5% of the land is actually disturbed.



• **ECOLOGICAL GAINS** - The reduced intensity of farming, with less cultivation, fewer chemical inputs and improved hydrology will ease pressure and pollution within the River Trent catchment area.

• The embanked railway line provides a useful boundary feature to contain the site and minimise views of the solar farm from Rugeley.

