



Don't Break the Heart of Wales

BUTE ENERGY'S PLANNED "NANT MITHIL ENERGY PARK" IN RADNOR FOREST

Key Facts document 1 – technical

31 turbines: 3 x 220m, 24 x 205m, 4 x 180m, all heights to blade tip

Blades between 76m and 79.7m in length

Only 7 turbines lie within the Welsh Government's pre-assessed area for wind

Total installed capacity 205MW (onshore turbines operate at approx. 27.4% of capacity)

Site covers approx. 1,835.77 hectares (7 square miles) up to 660m high (Great Rhos)

27.45km (16 miles) of new roads built across the site, 5.5m wide, passing places upgraded junction with A44 at site access.

Crane hard standings adjacent to each turbine

408,000 tonnes of construction material required including 141,000 tonnes of concrete plus fill for bases, aggregate, sand, steel.

Turbine bases 25m diameter and 3.5m deep

Substation compound 150m by 150m with switching station, control building, gantry and transformer area.

Up to 100,000 trees could be felled onsite (52.6 hectares)

Permanent anemometer mast 120m high

Watercourse crossings and infrastructure

Construction of up to 3 borrow pits for extraction of stone

23-month construction period, 12hrs weekdays, 6 hrs weekend 2027-2029, up to 100 people on site.

93 excess-load deliveries of turbine blades from ports either at Birkenhead or Swansea

Operational life of energy park stated as 40 years, so will likely require new turbines and blades during lifetime.



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View from Cowlod across Radnor Forest



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