

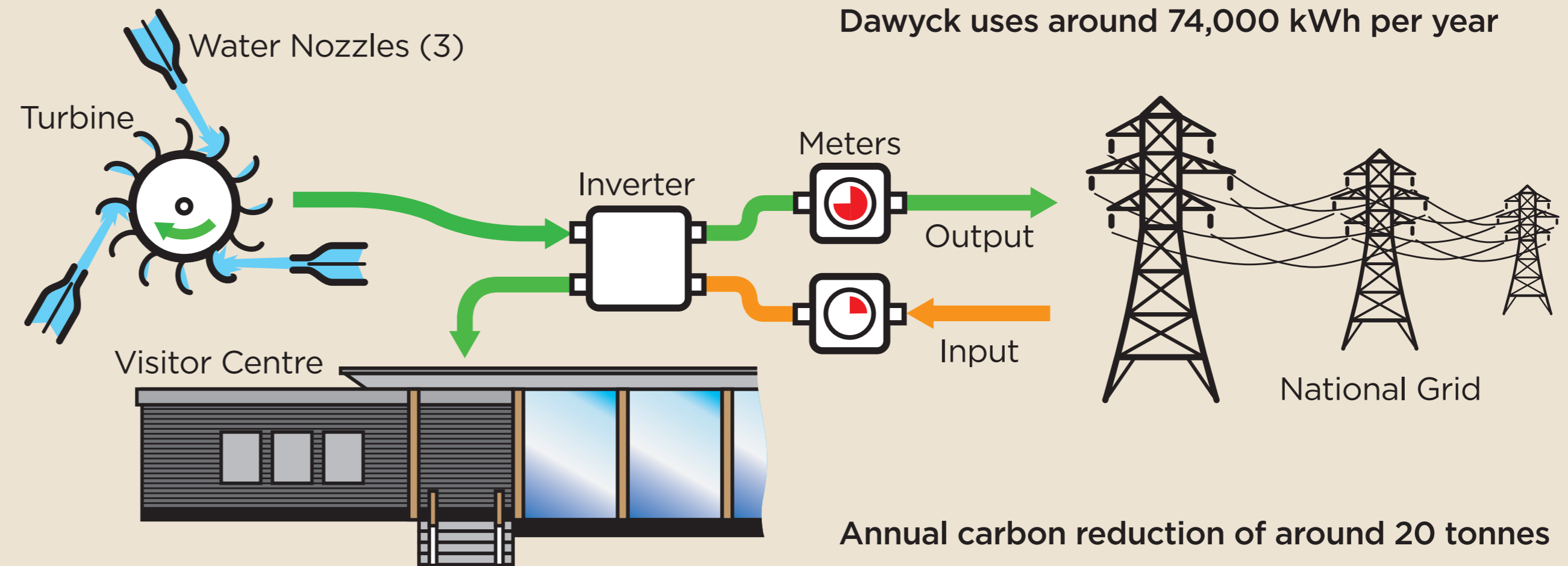
# Our Hydro Electric Scheme

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Dawyck House was one of the first houses in Scotland to have its own electricity supply. The early Victorian hydro-electric system used water from the Scrape Burn which runs through the Garden. The old Dynamo House was situated in the middle of the Garden not far from the house.

Water from the dynamo pond rotates the turbine, which drives a dynamo to generate electricity.



By the time RBGE acquired the Garden in 1978 the system had long since been replaced by a supply from the national grid. The remaining infrastructure had fallen into disrepair and been removed.

With increasing interest in sustainability and the need to reduce carbon emissions we decided to

reintroduce a hydro-electric system using new technology. Depending on the flow of the burn it can produce enough electricity to meet our demands plus surplus energy which we can sell to the grid.

Power output and carbon savings are displayed on a meter inside the Visitor Centre.



▲ The old Dynamo House