

## Appendix 10 Energy Efficiency Review

### Energy efficiency

Energy usage at Jesmond Farm is as follows:

| Energy source       | Use                                 |
|---------------------|-------------------------------------|
| Electricity (mains) | Lighting, feed augers, water pumps. |
| Diesel              | vehicles, pressure washing          |

### Basic energy requirements

The site has been designed with a strong focus on resource saving and efficiency.

- Low electricity requirements – for feed and water systems and lighting only when required in hours of darkness, for checking or handling stock.
- No fan ventilation or ACNV
- No heating

### Electricity

- Low energy light bulbs are used in the office and stores
- LED lights are used in the sheds
- We use well maintained machinery and equipment, on a rotating replacement policy looking for the most energy efficient models.

### Fuel oil

- Vehicles and tractors are serviced by a contractor at recommended service intervals
- All staff and contractors employed on site are trained in the efficient use of equipment, including driving techniques. Training needs are reviewed annually, and as new equipment or techniques are introduced
- Energy usage is recorded. In accordance with the permit, energy efficiency and usage will be reviewed every four years. Opportunities to improve energy efficiency will be implemented if suitable.
- We use well maintained machinery and equipment, on a rotating replacement policy looking for the most energy efficient models.

### Further potential improvement measures include:

- Installing more energy efficient equipment and controllers, as appropriate.

Reviewed August 2021