

Poultry Farm Water & Energy Audits

A reliable source of good quality water is essential for any poultry Farm. However, very few accurate measurements have ever been made of the water used in various activities at a poultry farm. This information is of vital importance in the current drought and climate change environment. Similarly, the energy used by these same activities within the poultry farm is also unknown.

FSA Consulting can undertake water and energy audits for water, electricity and diesel consumption. An audit allows poultry farm managers to reduce operating and maintenance costs, improve asset value and performance, raise awareness of energy issues amongst staff and document greenhouse gas reductions.

FSA Consulting offers two levels of audits.

Level 1 or "Walk-through" Audit.

This is a very simple exercise that provides an overview and some directions for further investigation. This type of evaluation provides a general guide to problem areas. It is a starting point for planning a more comprehensive evaluation.

Level 2 or Detailed Energy and Water Audit.

This is a very thorough survey that delivers clear recommendations for water and energy cost-saving measures, and identifies the costs and benefits associated with each. Detailed audits are able to provide a thorough analysis that could include a long-term review of energy and water usage, equipment performance and facility processes. In consultation with electrical contractors, this audit identifies the best tariff option, changes to processes and payback periods for capital investments that will achieve energy savings.



FSA Consulting offers:

- **Professional Service**
Our staff are professional agricultural and environmental engineers and scientists.
- **Experience**
FSA Consulting has been actively working with the Australian Poultry industry since 1994.
- **Independence**
FSA Consulting is not linked to any contractor or product.
- **Accreditation**
FSA Consulting staff hold appropriate accreditations, including RPEQ.

An independent water and energy audit of your poultry farm will save you money.

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Design, Integrity and Management of Facilities

FSA Consulting staff have a comprehensive understanding of the standards of design, structural integrity and management required of poultry accommodation, including water supply and delivery, and feed processing. We also have the practical skills to assess these.



Assessment of Water and Energy Use

Assessment of the water and energy use typically involves both desktop analysis and site investigations. An on-site review of procedures and processes would be undertaken along with the collection of water and energy use data. Water and energy use would be reviewed to ascertain long-term usage patterns, equipment performance and facility processes. An energy and/or water monitoring system could also be setup.



Recommendations for Improvement

FSA Consulting uses the information collected in all the preceding stages to recommend ways to reduce water and energy costs. This may include recommendations for best tariff options or changes to processes and practices. Benchmarking against other poultry farms can be undertaken with confidentiality.



In undertaking these audits, FSA Consulting:

- Quantifies water and energy use throughout the poultry farm
- Documents existing water and energy saving strategies
- Identifies areas of water and energy wastage
- Outlines water and energy saving goals and priorities
- Designs and setup energy/water monitoring systems



For further information contact the following staff:

Peter Watts:
0409 623 590

Peter.Watts@fsaconsulting.net

Rod Davis:
0428 668 879

Rod.Davis@fsaconsulting.net

Robyn Tucker:
0419 787 137

Robyn.Tucker@fsaconsulting.net



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www.fsaconsulting.net

Feedlot Services Australia Pty Ltd
ABN 96 062 958 758

Toowoomba Head Office
PO Box 2175 (11 Clifford St)
Toowoomba Qld 4350

P 07 4632 8230
F 07 4632 8057
E fsa@fsaconsulting.net

Horsham Office
2 Lewis St
Horsham Vic 3400

P 03 5381 0709
F 03 5381 0719
E Horsham@fsaconsulting.net