



# Opportunities and Challenges - a farmer's perspective

Exploring Beyond Diesel Forum

James Jackson, President NSW Farmers

















**FOOD SOURCE**  
70-80% liquid waste product offers reliable food source

400-500 piglets move to the grower site twice a week

The pigs are fed waste, grains and pig feed



**CROPS FOR FOOD SOURCE**

Nutrient-rich solids offer fertiliser source for crops

PIG MANURE is flushed from grower site into methane digester dam



PIG SHED

Piglet waste



METHANE DIGESTER DAM

Anaerobic bacteria breaks down manure, producing rich biogas

Biogas is cleaned of impurities and chilled to remove condensation

Generator exhaust heats water pipes sent to both sites for underfloor heating, offering warmth to weaners and piglets

100kW BIOGAS GENERATOR



Converts gas into electricity



This electricity powers the farm



Excess electricity sold to the grid









+





