LED Lighting in Poultry Barns
Conventional Lighting
Problems with Conventional lighting

• Not Dimmable
• Ballasts life shortened with light schedules
• Not suitable to wet locations
• Not efficient
• Light quality poor------”flicker”
LED lighting

Once Innovations  Agri-shift PL
12w replacement for 100w incandescent
Kwh before and after LED installation of 48 LEDs replacing 48 100 w incandescents

![Graph showing Kwh usage comparison before and after LED installation]
Economics

• Saving roughly 1200 KW/month ($120/month)
• Payback in 2 years (48 fixtures at $50ea)
• Fixture price is now around $30 without rebates.
Other benefits???
• Less “flicker” equals calmer birds?
• Dimmable to blue spectrum......birds can still see in a lower light level
• Increased egg production in the blue or red spectrum????