



ENERGY STAR
Residential Lighting Program

Energy Star Program Requirements



- Performance Criteria
- Test Procedures
- Communications/Marketing
- Program Administration

And

- Quality Assurance/Testing

Lighting



- **1997 Fixtures (Luminaires) program**
- **2000 Compact fluorescent lamps**

- **Why Lighting?**
 - **66% Energy Savings per unit**

The Lighting Industry is Unique



- **Thousands of manufacturers, global production (mainly China)**
- **Low cost product (\$1.50 - \$2.00) at factory**
- **Industry “standards” are weak, not enforced (compared with appliances)**

Lighting QA/QC Programs



- **Difficult to administer**
- **Expensive**
- **ESSENTIAL! For any government partner that wants to run a labeling program for lighting.**

Energy Star QA/QC



- **4 years of enforcement, removing products and partners**
- **Millions of \$\$ spent by program sponsors, electric utilities, less by EPA/DOE**
- **EPA/DOE developing an industry funded program, operational 2005**

Central Message



- **Lighting is a difficult product category**
- **Savings potential is high**
- **Risks are high - \$1.50 products with your label on it**
- **Do not start/continue a lighting program without a well funded, long term QA/QC program**

Lighting: International Harmonization



- **Mark Ellis, MEA, Australia**