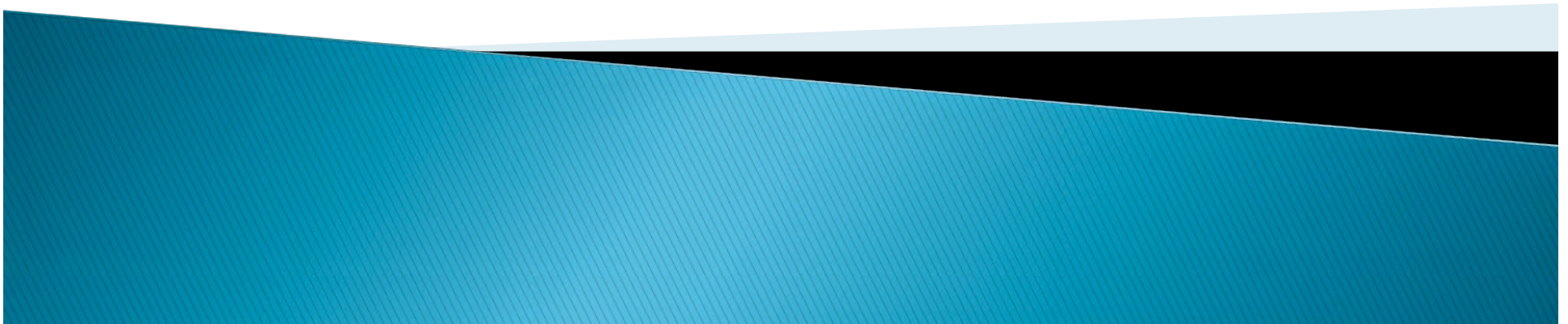


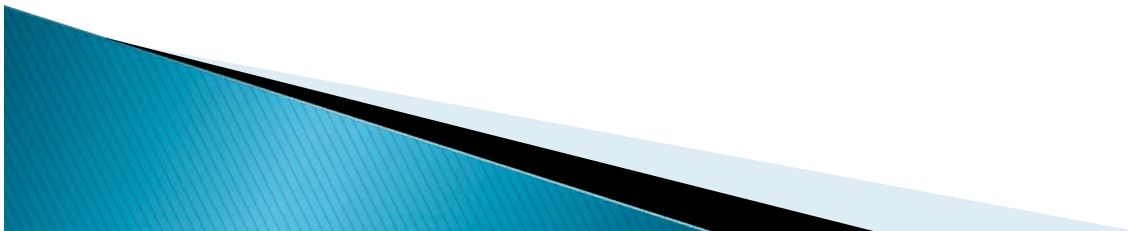
Utility External Disconnect Switch Practical, Legal and Technical Reasons to Eliminate the Requirement

Michael T. Sheehan, P.E.
Solar ABCs
March 24th 2008



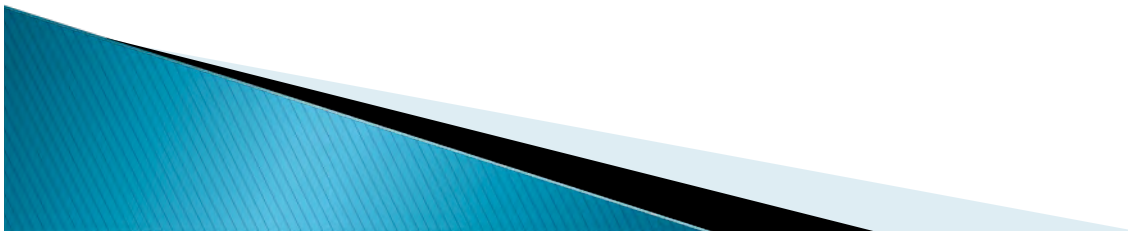
Background

- ▶ What is UEDS
- ▶ Historical Background
- ▶ NEC Requirements
- ▶ Current status of controversy
- ▶ UEDS is not used for emergency and maintenance switching



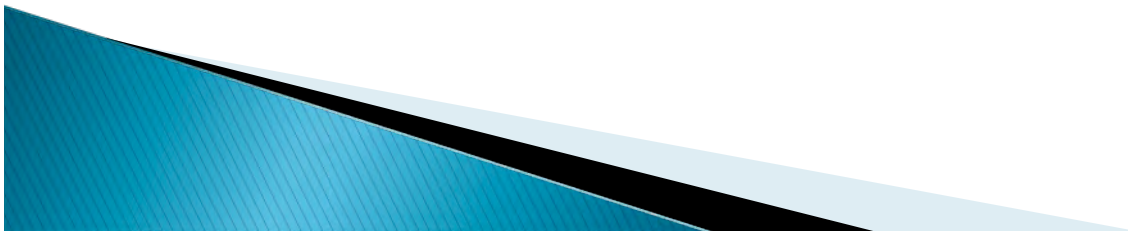
Safety and UEDS

- ▶ OSHA and lockout/tagout rules
- ▶ UL 1741
- ▶ Practical Reasons to dismiss the requirement of the UEDS



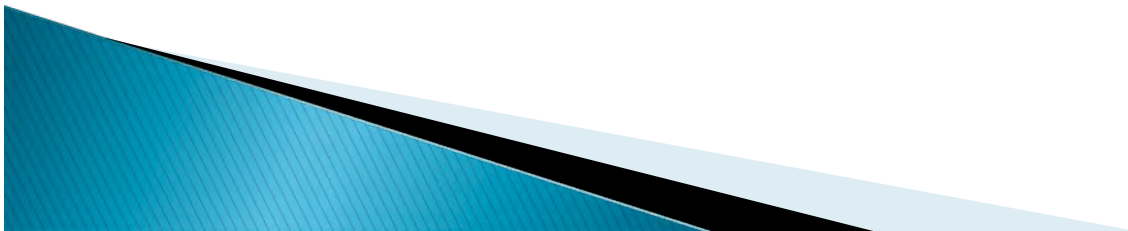
Other Issues

- ▶ Legal and jurisdictional issues
- ▶ Cost of the UEDS
- ▶ IEEE 1547
- ▶ Technical Description of the UEDS



Conclusions and Recommendations

- ▶ Solar ABCs should focus on state interconnection rule makings
- ▶ Long cycle time for state rule making procedures results in cost impacts to PV industry
- ▶ Cost reduction for small PV systems for a device that is never used



Questions and Comments

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