



AMERICAN RIVER COLLEGE

# Final Review

**Energy Instructor**

[www.energyinstructor.info](http://www.energyinstructor.info)



# Lesson Plan

- Performance, maintenance, troubleshooting – Any Questions?
- Final Exam Review

# Final Exam Review

- 50 questions
- Same format as the midterm
- 50% midterm material / 50% rest of material
- Open notes on specific problems only
- Bring a working calculator and NEC tables
- Understand the math, don't memorize the numbers
  - You may see same word problems with new numbers
  - Remember to follow the units
  - Read the question and then read again

# Final Exam Review

- **Topics**
  - All 10 of the NABCEP Learning Objectives
  - NABCEP practice exams
  - Watts Law, Ohm's Law, Energy/\$, series and parallel circuits
  - Four steps of designing off grid system
  - Conductors: Ampacity, derating, resistance, and voltage drop
  - Basic grounding concepts
  - Reading one-line diagrams