**SOLAR ENERGY EDUCATION FOR COOPERATIVE EXTENSION**

**WORKSHOP AGENDA – AUG 14, 2015, MARICOPA AG CENTER**

8:30–9:00 AM Refreshments

9:00 AM Welcome, Introductions, Expectations Workshop Overview

9:20 AM Energy, PV Systems, Solar Cells, and PV Modules

10:15 AM Break

10:30 AM Complete Solar PV Presentation

11:00 AM Activity - Using the Solar Power Monitor

* Measuring PV module output
* Series Connection
* Parallel Connection
* Series-Parallel Connect

Activity – Using the Digital Clamp On Meter

* Measuring Module Isc
* Measuring Module Voc
* Measuring Module Pmp

12:00 PM Lunch - Provided

1:00 PM Activity – Solar Tools

* Measuring Solar Irradiance
* Measuring Cell Temperature
* Measuring Effect of Tilt & Orientation
* Solar Fountain Operation

2:30 PM Building and Testing Your Own Systems

* Measuring, Cutting, and Assembling Components for your Solar Fountain
* Making Home Run Leads
* Wiring Your PV Panel with PV Cable and MC3 Connectors
* Testing Your Solar Fountain

4:45 PM Wrap up workshop

* What is Next?
* Workshop Evaluation

**THANK YOU FOR YOUR ATTENDANCE AND PARTICIPATION!**