

# Arizona Western College

## Solar Array Installation



AWC and PPA Partners have partnered to install a solar array second to none in the United States on the main campus of Arizona Western College. Primarily designed as a testing and educational array, the installation will allow AWC to harness the area's climatologically unique features to generate its own energy.

AWC is poised to become a leader in renewable energy technology and education, with support from corporate partners.

Get ready to turn the page on history in the sunniest place on earth: Yuma, Arizona\*.

### AWC Solar Array

- 5 megawatts makes this the single biggest solar installation at a U.S. college or university
  - 4.995 megawatts—new installation
  - 105.6 kilowatts—existing rooftop array at AWC
- Will test 5 different photovoltaic technologies
- No water consumption requirement
- Most participating technologies boast small cradle to grave footprint – 97% recyclable components
- Most participating technologies use existing materials, no toxic or rare items making manufacture both economically supportable and sustainable
- 3rd Party Solar Monitoring will control data feed
- Planned deployment: eastern and southern areas of main campus

### Green Clean Renewable Energy

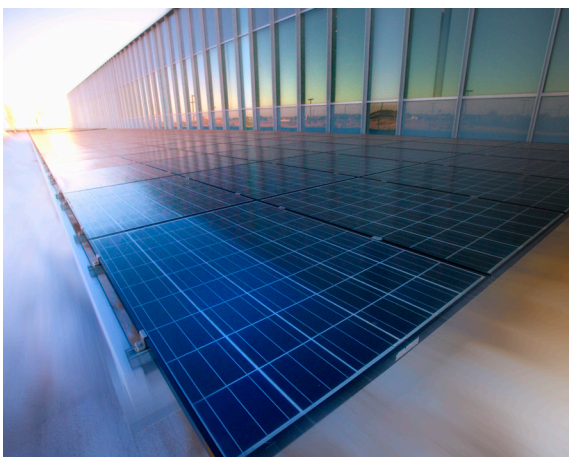
- Will cover 100% of the college's daytime energy needs, reducing district costs

### State-of-the-Art Workforce Development and Curriculum

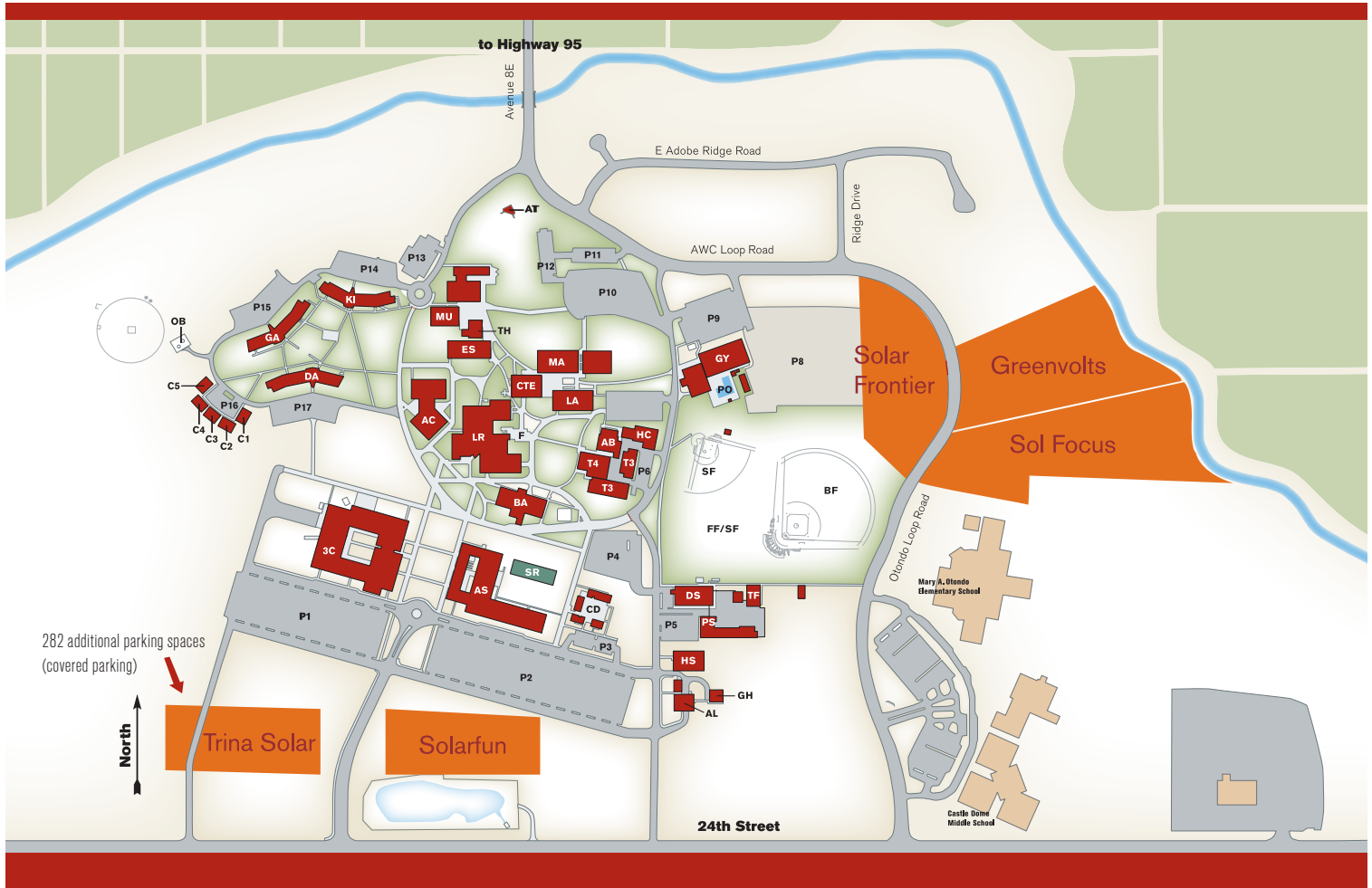
- Student and faculty access to cutting-edge technologies
- Curriculum in development, including
  - Occupational certificate
  - Workforce training
  - Associate's of Applied Science
  - University Partnerships for articulated Bachelor, Master's
- First Installer Class started Fall 2010

### Powerful Partnerships Nationally and Globally

- Arizona Public Service is supporting the installation
- Partner companies include
  - Solar Frontier
  - Trina Solar
  - Solarfun
  - Greenvolts
  - SolFocus
  - Ray Tracker
  - Satcon



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## Puts Yuma on the Map

- Yuma offers the most beneficial Solar Days in the world – 354 generating days a year
- \*Guinness Book of World Records named Yuma, Arizona the sunniest city on earth
- Yuma's access to west coast, transportation and ample land make this a superior site for solar development
- Creates world-class site for research and testing at the corporate and government levels



**Arizona Western College**  
*The Brightest Place on Earth*