

ANAHEIM CENTER FOR NEW ENERGY TECHNOLOGIES

TECHNOLOGY TESTING UPDATE

March 2010

2010 Business Plan Competition
\$40,000 in Prize Money
 Enter by **April 12, 2010**
www.acnet-anaheim.net

2009 AC-NET COMPETITION FINALIST PRODUCT TESTING



Enovative Group – Demand controlled water circulation pumps

Seven energy saving D'MAND CIRC® demand controlled hot water circulation pumps will be tested at seven Anaheim city facilities.

Global Eco Soil Solutions -- Underground micro jet irrigation system

Global Eco Soil Solution's patented subsurface irrigation systems that could lower water use by 50-75% will be installed at Anaheim High School, Heritage Park and Colony Park.



APU ADVANTAGE SERVICES PRODUCT TESTING



ENERGY EFFICIENCY PROJECTS

iCel - Energy storage system

Anaheim's Energy Field features the iCel system that can store energy from a solar system or the local utility grid and deliver it on-demand.



KP Energy - Lighting controllers

Lighting in two Anaheim parking structures have been retrofitted with KP Energy devices that deliver lighting with less power.

CREE - LED indoor lighting

CREE LED light fixtures are being evaluated at various city locations.



Visual Dimension/See Smart - LED indoor lighting

Visual Dimension and See Smart LED light fixtures have been installed at the Convention Center, City Hall, and other city field offices.



Geolights/Ecogreen - LED outdoor lighting

Geolights and Ecogreen energy efficient light fixtures will be tested at the Anaheim Stadium Amtrak Station at in city streetlights.

American Induction Technologies

- Induction lighting

Two Anaheim neighborhoods feature streetlights with induction lamps from American Induction Technologies that could lower energy use 50-70% and lasting 5x longer than other lamps.

Visual Dimension - Bus shelter lighting

The energy savings potential of Visual Dimension's Cold Cathode Fluorescent Lamps are being tested at two Anaheim bus shelters.



CH2M Hill /Critigen - Solar Map

The Solar Map is an online tool that helps customers find the ideal solar system



location on their property. CH2M Hill completed a pilot version and Critigen will build a full version covering the entire city.

Solar Bee - Water circulation pumps

Nine water storage facilities in Anaheim use Solar Bee's solar powered water circulating pumps that maintain water quality using renewable energy.



American Grid - Real time energy monitoring

Six Anaheim residences are testing American Grid's real-time monitoring system that could lower energy use by using plug-in appliance controllers tied to a home broadband network.



Big Belly Solar - Solar powered trash compactors

Several Big Belly solar powered trash compactors with the same footprint of an ordinary receptacle, but with five times the capacity, have been deployed in Anaheim to quantify their trash collection fuel and emissions reducing potential.

Wattstopper - Power strip

Wattstopper's Isole power strip eliminates phantom loads from devices plugged into traditional power strips that continue to draw power even when not in use.



TRANSPORTATION

T3Motion - Plug-in Electric Security Vehicles

Two Anaheim city departments are testing T3Motion's rechargeable High Mobility One Officer Patrol Electric Vehicle that provide a cleaner transport option to and from work sites.

A123/Hymotion - Plug-in Hybrid Vehicles

Two Toyota Prius hybrid vehicles were converted to plug-in electric using Hymotion after-market kits from A123 Systems.



Anaheim: A Living Clean Technology Laboratory

As part of AC-NET's mission to establish Anaheim as a center for clean technology development, we conduct dozens of product demonstrations using Anaheim city facilities and Anaheim Public Utilities' (APU) water and power systems as a living laboratory.

Building on our 2009 Business Plan Competition we continue to work with competition finalists to demonstrate the value of their products.

Also, APU's Advantage Services Research, Development and Demonstration programs put to the test the latest solutions to deliver clean, reliable, and affordable water and power.

To learn more about AC-NET, please visit: www.acnet-anaheim.net

To learn more about Advantage Services, please visit: www.anaheim.net/utilities

2009 AC-NET CLEAN TECH WINNER STARTS PRODUCT TESTING IN ANAHEIM



(Above) A Hadronex device installation in Anaheim.

Hadronex - Sewer monitoring system

Five SmartCover® devices that provide real-time sewer system monitoring to prevent spills, illegal dumping, and vandalism are currently being tested in Anaheim.

