



# Emerging Energy Efficiency Technologies – Data Center Demonstration Project

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Critical Facilities Round Table

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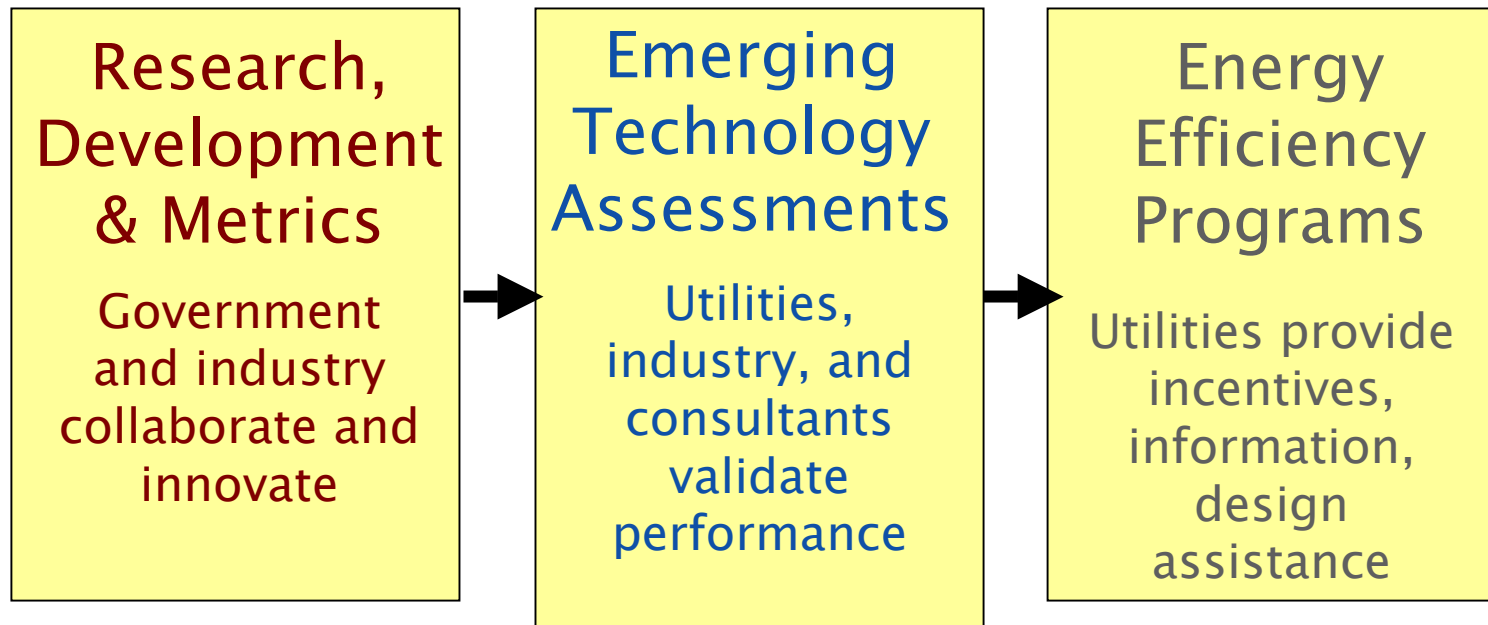
*Pacific Gas and  
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# E.T. Program Overview

- Industry and Government / Labs
  - Support R&D and technology performance metrics development
  - Participate in energy efficiency programs
- Utilities (with Industry input)
  - Select and manage Emerging Technologies assessment projects
  - Move promising technologies into energy efficiency programs

# E.T. Program Impacts

Together, industry, government R&D programs, and utility implementers move energy-efficient products to the market and produce sustainable energy savings



# Project Overview

- Demonstration Scoping & Feasibility Study on [http://snipurl.com/ET\\_DataCenters](http://snipurl.com/ET_DataCenters)
- Demonstration at 2 sites
- Start Dec 2004, End Dec 2005
- Energy Efficiency ET examples
  - ❑ Air Management
    - Hot/cold aisle
    - Air leakage/rack bypass control
  - ❑ Operational strategies
    - VSD air handling system
    - HVAC air-side economization

# Contacts

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