

## **Datacenters EPC**

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**The Silicon Valley Leadership Group is organized to involve principal officers and senior managers of member companies in a cooperative effort with local, regional, state, and federal government officials to address major public policy issues affecting the economic health and quality of life in Silicon Valley.**



**The Leadership Group represents 260 member companies  
Members employ more than 250,000 people in Silicon Valley  
Member companies generate more than \$1 trillion in revenue**

**Issues: Economic Vitality  
Environment  
Tax Policy**

**Education  
Healthcare  
Transportation**

**Energy  
Housing**





# **BIG BOLD STRATEGIES**

**for energy efficiency  
in California**

## **Industrial Sector Goal**

**Achieve 100% of Electricity Economic Potential by 2015 by Voluntary Action**

**15% Reduction in Energy Use**



# **California Energy Action Plan**

**Aggressive energy efficiency, demand response, and renewable generation procurement by utilities**

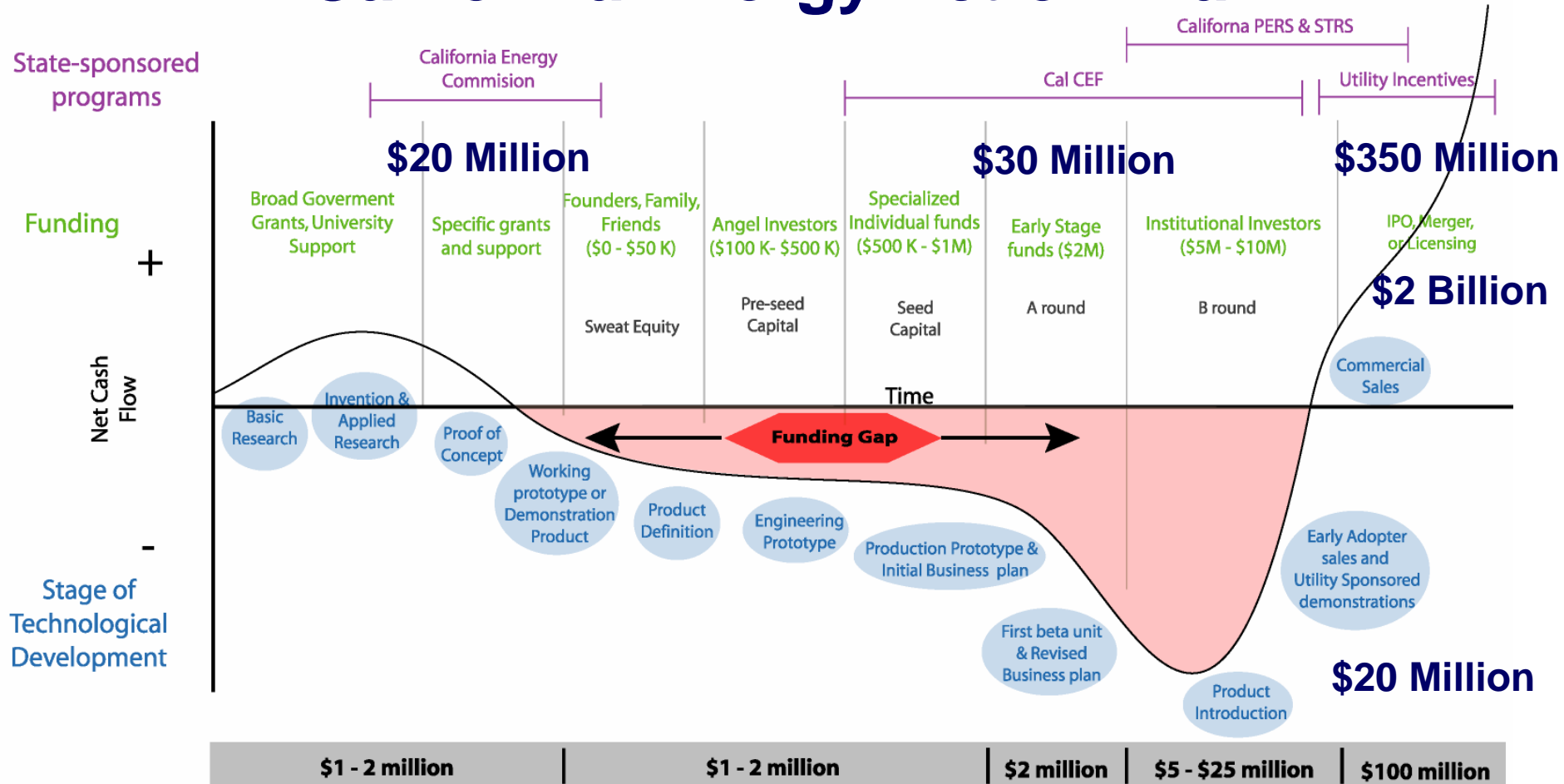
**Conservation & energy efficiency are top priorities**

**Utilities to deliver a “power plant per year” of new energy efficiency and a “power plant” of new demand response over the next 3 years**

**Green Building Executive Order imposes 20% energy use reduction in state buildings by 2015, with a similar private sector goal**



# California Energy Action Plan



# Data Centers EPC

## Why is this needed?

Marketplace void for datacenter specific green building tool

Bridge datacenter infrastructure design & IT computing needs

Spur private sector to remove barriers & advance action

## Project Goals

California Energy Commission Sponsored Project

Develop datacenter Environmental Performance Criteria

Core content transfer from existing tools (e.g., LEED®)

Collaboration & consensus with key industry groups

Voluntary, consensus-based standard for high performance energy efficient datacenter development

Industry group adoption & certification process for members

Submit to USGBC for LEED-Datacenters standard



# Data Centers EPC

## Who's involved?

Led by LBNL Environmental Energy Technologies Team

Industry Groups:

ASHRAE TC 90.1

ASHRAE TC 9.1

Critical Facilities Round Table

The Green Grid

The Uptime Institute

24X7

Silicon Valley Leadership Group

## Timing?

EPC will be completed and published in August, 2008



# EPC Format

If you would like to volunteer to assist in the development of the  
**Environmental Performance Criteria for Datacenters for the 21st Century**

Send an email with your contact information, indicating your interest in participating

Or for more information on the SVLG DCDP initiative please contact me at:

[rpfeifer@svlg.net](mailto:rpfeifer@svlg.net)

Thank you for attending  
The UpTime Institute Symposium

