CALIFORNIA INFRASTRUCTURE AND ECONOMIC DEVELOPMENT BANK SUMMIT ON WATER TECHNOLOGY & LEVERAGING THE CALIFORNIA DROUGHT TO BUILD A DROUGHT RESILIENT CALIFORNIA JULY 10, 2015, SACRAMENTO
COMMERCIALIZING WATER TECHNOLOGY AND ECONOMIC DEVELOPMENT OPPORTUNITIES

1. What are the current barriers for introduction and scaling-up of new technologies?

2. What strategies have successfully supported commercialization of water technologies?

3. Who implements these strategies and what roles do water agencies and local and state governments play in these strategies?

4. What strategies should be considered to address the large disparity in the demand and cost of water in different parts of the State?

5. Are the programs and resources available from water agencies and local and state governments adequate? How can existing programs (NGOs, Universities, Incubators) play a role?
COMMERCIALIZING WATER TECHNOLOGY AND ECONOMIC DEVELOPMENT OPPORTUNITIES

6. Are there programs or incentives in other states or countries that we should be considering for California?

7. Are there programs or incentives in other industries (like power, biotech) that we should consider applying to water?

8. Does access to financing for new water technologies present any barriers? What strategies have successfully assured that a new water technology is proven before it is rolled out for purposes of financing?

9. What are lessons learned from the past that we can consider as we try to move the water industry forward in California?
California Lending for Energy and Environmental Needs Center (CLEEN Center)

To help meet the State's Goals for:

- Greenhouse gas emissions reduction
- Water conservation
- Strategic environmental goals
PRIMARY CLEEN CENTER FOCUS: THE MUSH MARKET

Municipalities
Universities
Schools
Hospitals
ELIGIBLE “MUNICIPALITIES”

Cities
Counties
Special Districts
Assessment Districts
Joint Powers Authorities
Other State and Local Governmental Entities
CLEEN PROJECTS (PARTIAL LIST)

- Advanced metering systems for conversion of master-metered buildings to sub-metering
- Data center, information technology, communications
- Energy management and/or control systems
- Demand response programs
- Water/wastewater, pipeline, mining/extraction, and similar end-use processes, facilities, buildings, and infrastructure
- Lighting and control systems
- Converting incandescent to CFL
- LED repairs, replacements and upgrades
- Heating, ventilation and air conditioning systems (HVAC)
- Building envelope
- Occupant plug load management systems
- Load reduction
- Thermal and electric energy storage
CLEEN CENTER FINANCING

VARIETY OF FINANCING MECHANISMS

• Low-cost Direct Loans
• Tax Exempt Bonds
• Green Bonds
CITY OF PITTSBURG WATER TREATMENT PLANT

$11.4 million
- Construct and renovate modifications to existing plant
- Resulting in improved water quality production and reliability
- Will help City meet fire flow requirements

Ensures water distributed by the City is of the Highest Quality
CITY OF IONE’S WASTEWATER COMPLIANCE PROJECT

$3.25 million Funds helped Ione meet regulatory deadlines

- Avoided future non-compliance fines
- Accommodates planned growth for waste water requirements
PHELAN PIÑON HILLS COMMUNITY SERVICES DISTRICT (DISTRICT) WATER RESOURCES ACQUISITION PROJECT

$7.5 million
Funds used to:
• Purchase 157 acres
• Construct a water well
• Finance a portion of the water rights
• Will save $16 million over the next 30 years, keeping rates low for customers

Reduces cost to purchase water to meet current demand
CLEEN CENTER APPLICATIONS TAKEN CONTINUOUSLY

Call us!

We want to give you personal attention and hear about your project.

• Call us and discuss CLEEN Projects
• IBank representative works with you throughout the process
• Applicant determines and certifies projects consistent with The State Environmental Goals and Policy Report
• Applicant resolution to certify project meets criteria and goals of the State
• Final approval by IBank Board of Directors
CONTACT US:

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