



# A One-Stop Resource for Your Energy Efficiency Projects

**Jamie Ferro**

*Program Manager, The Energy Network*

**Doug O'Brien**

*Program Manager, The Energy Network*

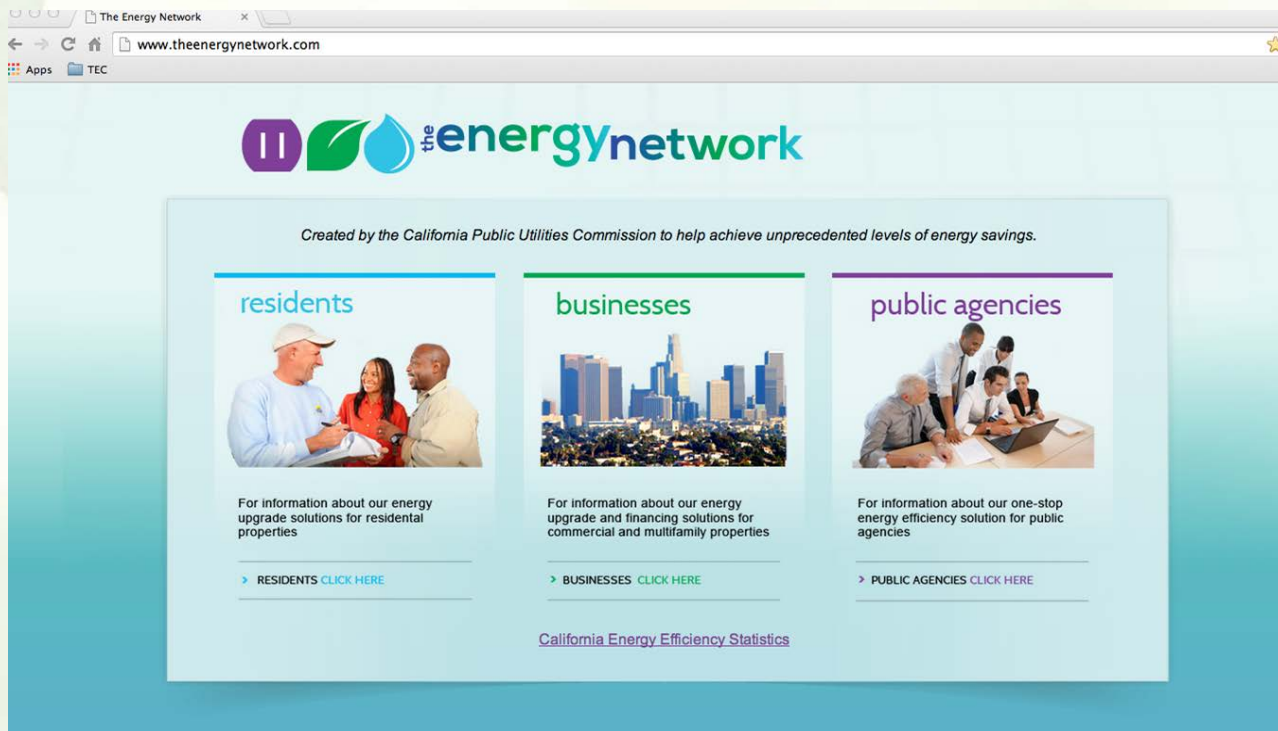
# What is The Energy Network?

Authorized by the CPUC to harness the collective power of residents, businesses, and public agencies to achieve unprecedented energy savings.



# What is The Energy Network?

Offers public agencies, businesses, and homeowners tools and resources that lead to energy efficiency.



# Who Is Eligible?

**Public agencies** in investor-owned utility territories in Southern California.

- More than 700 Agencies
  - 12 Counties
    - 200 Cities, Townships, Tribes
    - 100 Water/Waste Districts
    - 400 Education Agencies



# What is your Energy Bill Costing You?

- Municipalities spend about 35% percent of their energy budget on water use and treatment
- Water and wastewater facilities can reduce their electricity cost by **as much as 40 percent**
- Older buildings can waste **30 percent** or more of the energy they consume



# The Opportunities Are Many...

- Treatment plant process optimization projects
- District-wide pump optimization
- Pump and motor retrofit
- Boiler and chiller upgrades
- Building lighting and mechanical retrofits
- Variable speed drives
- Building and facility Retro commissioning



# ...So Are the Challenges

- Lack of in-house technical expertise
- Lack of staffing for project management
- Onerous procurement process
- How to pay for the project
- How to obtain incentives and rebates
- How to ensure savings in the long-run



# Your One Stop Resource

A full range of energy efficiency services:

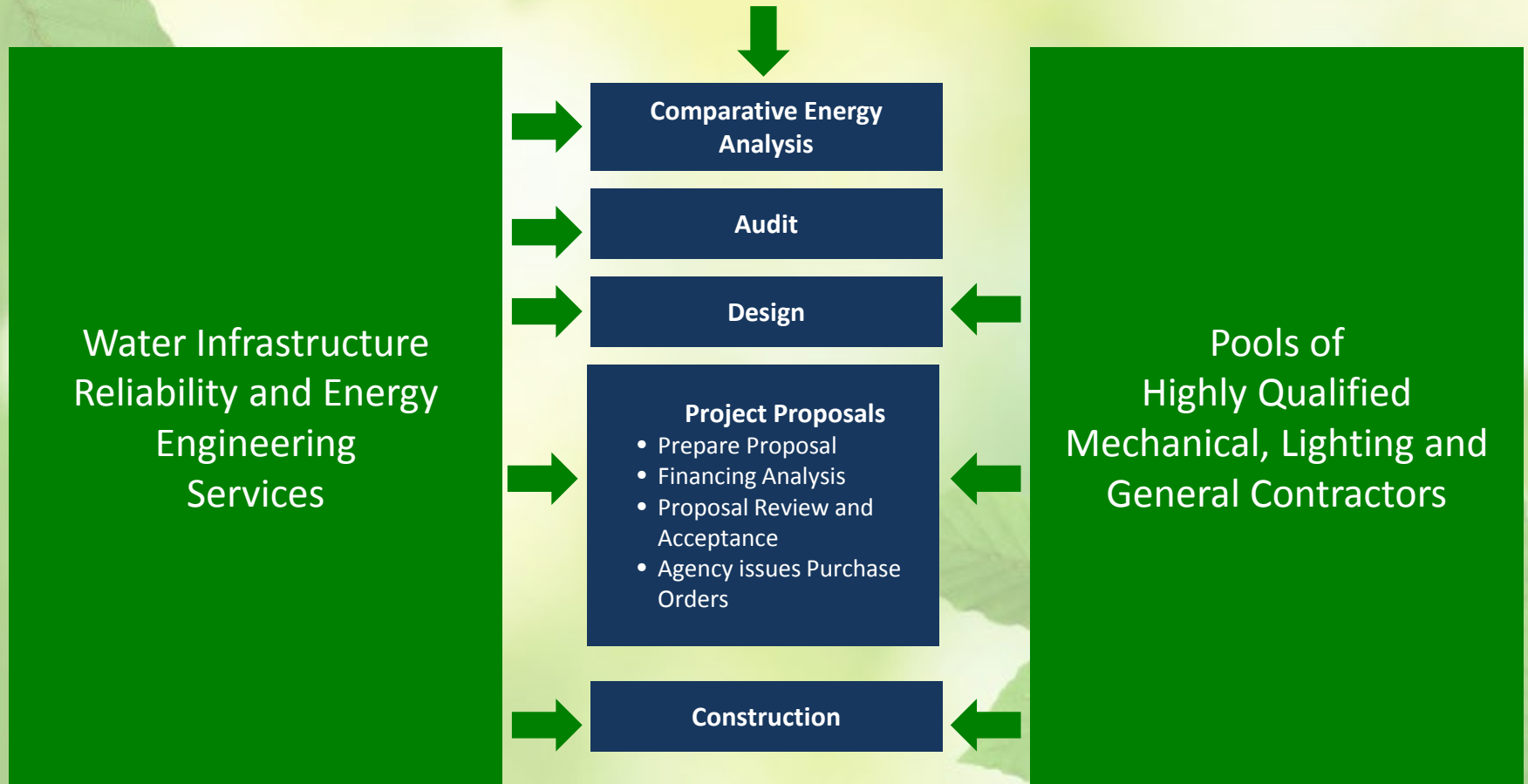
- Project management
- Comparative energy use analysis of facilities
- Energy audits
- Project design and specifications
- Construction management support services
- Expedited construction procurement services
- Financing and financial analysis
- Ongoing energy management tools
- Objective third party review





# Turnkey Project Delivery

## Project Management



# Simplified Procurement

Competitive Procurement on behalf of Public Agencies



Indefinite Quantity Construction Contracts



eziQC System

- Transparent and firm pricing
- Contractors on call to Perform Energy Retrofits



# Start Construction in Half the Time



# Treatment Facilities Projects

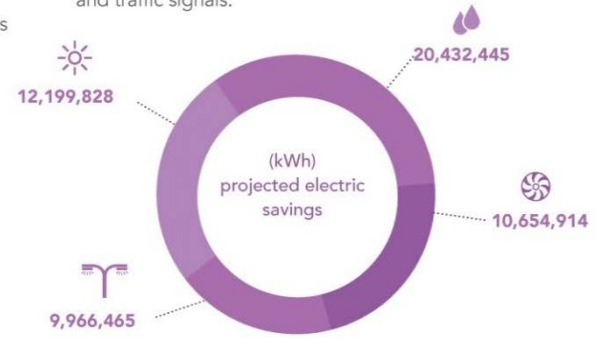
- Pump and booster optimization
- Aeration and blower optimization
- High efficiency mechanical and electrical equipment retrofit
- Improved monitoring, controls & instrumentation
- Building and area lighting upgrades
- Comprehensive process optimization measures



## Projected Savings as of September 2014 based on identified projects to date

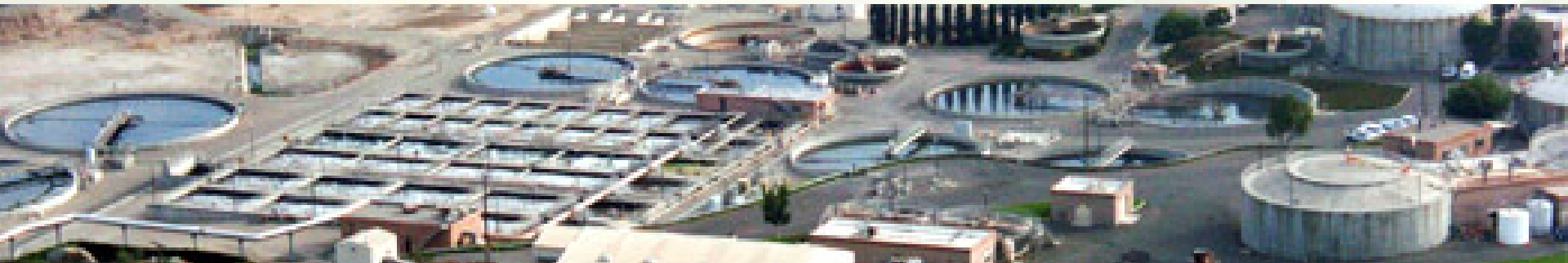


### The Energy Network Projects



# Enrolled Agencies with Water Projects

- Western Municipal Water District
- Western Riverside County Regional Wastewater Authority
- Running Springs Water District
- Eastern Municipal Water District
- Yucaipa Valley Water District
- City of Ventura
- City of Oxnard
- City of Barstow
- City of Downey
- City of Santa Barbara
- Orange County Sanitation District
- Cucamonga Valley Water District
- Conejo Valley Unified School District\*
- Ventura Unified School District\*



# Access to Financing

- Utility On-Bill Financing
- Energy Project Lease Financing
- Other financing options

# Utility Coordination

- The Energy Network was designed to supplement and complement IOU EE programs and help achieve maximum savings





# The Energy Network

- Partnerships
- New Model
- Transparency
- Simple, Turnkey
- Flexible and customized solutions
- Limited time



# Water-Energy Nexus Pilot Project

- Ten Comprehensive Water and Energy Efficiency Retrofit Projects
  - 10 Schools in Ventura and Conejo Valley Unified School Districts
- Opportunity Cost Analysis Report
  - Evaluation of energy savings potential of 2010-2012 Metropolitan Water District water rebates utilizing energy intensity of regional water supplies.
- Individual-level Targeted Marketing Initiative
  - Predictive analytics to increase customer participation in High Efficiency Clothes Washers and turf removal rebate programs



## Questions?

### Jamie Ferro

*Program Manager, The Energy Network*  
*[jferro@energycoalition.org](mailto:jferro@energycoalition.org)*

### Doug O'Brien

*Program Manager, The Energy Network*  
*[dobrien@energycoalition.org](mailto:dobrien@energycoalition.org)*