



California Partnership for the  
**San Joaquin Valley**

2009 Annual Summit

*Serving the Valley. Shaping Our Future.*

# Sponsorship Spotlight



*Presents*

“Greening Arvin”



# "GREENING ARVIN"

*A Potential Model for Small Valley Jurisdictions*

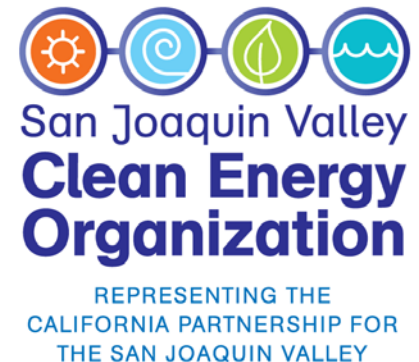
Paul Johnson

Executive Director | San Joaquin Valley Clean Energy Organization

Alan Christensen

City Manager | City of Arvin

October 23, 2009



# Background

- Valley CAN provided funding in two stages in 2007 and 2008
- City and SJVCEO designed Project in 2008
- Project meshes well with city's interest in greening its operation
- Project concluded in September 2009
- ***Greening Arvin Team:***
  - City of Arvin municipal staff
  - SJVCEO and Strategic Energy Innovations
  - Stockton REACON small business assessment team
  - Kern County Council of Government
  - Pacific Gas & Electric and Southern California Gas



# Purpose

Demonstrate the role that increased use of clean energy can play in improving quality of life and air quality challenges in Arvin



## Tasks



1. Conduct one clean energy pilot project - with a business in the Façade Upgrade Program
2. Identify resource savings opportunities in a sample of Arvin businesses – using the REACON model
3. Provide targeted technical assistance to help city develop green policies and actions
4. Market and report on the work being done

# Clean Energy Pilot Project

- Selected Bear Mountain Pizza
- Identified energy efficiency measures – windows, lighting, wall insulation
  - 5 windows - energy efficient, double-paned models
  - LED linear tubes
  - Removal of nonfunctioning back door and filling the open space with high efficiency rated wall insulation
- Worked with vendor to size a solar electric (PV) system:
  - 2.5-3.5 kW solar electric system installation (9-11% of pizzeria's peak electricity demand.)
  - Electronic display monitor to show solar generation
- Leveraged federal/state/utility incentives
- Grand re-opening on September 9, 2009



# Identify Resource Savings Opportunities in a Sample of Arvin Businesses

- Used REACON model developed by Stockton Chamber
- Walk-through energy, water and waste assessments provided in Fall 2008
- Strong city interest in doing more assessments and developing green businesses certification program
- Pursuing funding to continue business assessments in smaller cities throughout Kern County through Kern County EECSBG



# Help Arvin Develop Green Policies and Actions

SJVCEO team provided City with the following green policy support:

1. *Revolving Loan Fund*
  - Benefits, guidelines for development, and sample resolution
2. *Solar/Renewable Energy Systems Power Purchasing Agreements*
  - Third-party financing structures and potential benefits for solar/onsite renewable energy
3. *General Plan*
  - Guidelines and case studies and related language for “greening” City’s General Plan
4. *Expedited solar permitting*
  - Research, translate and seek to implement streamlined commercial solar project & permitting process





# "Greening Arvin"

## Why Does it Make Sense?

- Air Quality Issues
  - Worst Air Quality of Any US City (2008)
- Community Concerns about Environmental Issues
  - EPA is managing a Superfund Clean-up Site
  - Water District has not met new Arsenic standards
  - County Landfill Closure Nearby
- City Organization Able to Make Things Happen
  - Few staff but very little bureaucracy and willingness to try





# "Greening Arvin"

## How does it Benefit Arvin?

- New Standards
  - All Downtown Façade Projects have Green Standards
  - General Plan update includes a conservation element
- New Projects
  - Park n' Ride Project (Air District, JARC Funding)
  - Grant Application for a Park Nearby with Trails Intertwined
- Community Pride and "Can Do" Attitudes





# “Greening Arvin”

## What else has Resulted?

- Leadership has Encouraged Others to “Go Green”
  - Two (2) Low-Moderate Income Housing Developers
  - Green Arts Festival in Arvin sponsored by our Solid Waste Hauler
- Reputation Has Grown—More Opportunities
  - Approached by PG&E, The Gas Company, and Valley Air District
  - Non-profit providing “Solar Technician” training in Arvin
- City Council, Staff and Community are Committed
  - Realize that “Green” projects make sense economically and can be done.



# California Needs a Water Plan NOW!

*Moderator / **Fritz Grupe**, The Grupe Company*

**Assembly Member Juan Arambula**,  
*1st Assembly District*

**Secretary Mike Chrisman**,  
*California Natural Resources Agency*

**Senator Dave Cogdill**,  
*14th District of California*

**Phillip Isenberg**,  
*Chair, Delta Vision Blue Ribbon Task Force*

**Sunne McPeak**,  
*Executive Director, California Emerging Technology Fund*



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