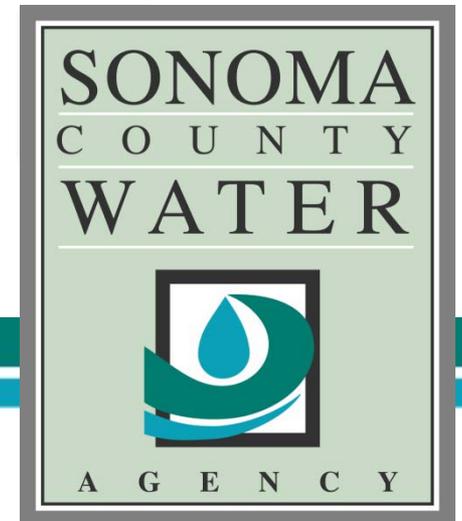


# Local Government Innovation in Sonoma County

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# Carbon Free Water and Applied Solutions

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## Carbon Free Water

Sonoma County Water Agency - 2<sup>nd</sup> largest energy user in the county

Carbon Free Water by 2015 initiative - expect to reach goal in 2012

- Hydro from Warm Springs Dam
- 2 MW solar
- Landfill gas

## Applied Solutions

Non-Profit Network of 109 counties and cities across the country

- Focus on emerging technical and financial tools to develop local clean energy and water systems
- Broad network allows “mining” of best practices and distribution for common good

# Countywide Renewable Energy

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## Farms to Fuel

- 2 million chickens
- 1.26 million cu/ft biogas & 1.4 MW electricity a day
- Construction to start late summer 2012

## Snoopy Solar (5-20 MW at airport)

- RFP going out this week

## County Fuel Cell

- 1.4 MW in operation

## Landfill Energy Park

- - Wind gauges and solar irradiation meters installed this week to determine potential wind and solar energy generation

# Community Choice Aggregation and Sustainable Energy Utility Financing Model

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## Community Choice Aggregation

- Completed feasibility study and public surveys
- Next step is to perform implementation study

## Sustainable Energy Utility financing model

- Mechanism to implement large energy/water efficiency projects
- Initial market are schools, Sonoma State University and Santa Rosa Junior College
- Working with Dr. John Byrne, Nobel laureate (IPCC), to model Delaware States Sustainable Energy Utility

# Sonoma County Energy Independence Program and Regional Climate Protection Authority

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## Sonoma County Energy Independence Program

- 2,855 residential projects, 87 commercial projects
- \$55.6M in projects funded
- 682 jobs created or retained using Department of Energy's ARRA formula
- 79% of projects completed by local contractors

## Regional Climate Protection Authority

- First of a kind entity to allow regional coordination of climate protection programs