

ARIZONA DEPARTMENT OF COMMERCE  
ENERGY OFFICE



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# The Arizona Department of Commerce Energy Office

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**Senior Director**

***Jim Arwood***

**Senior Director  
Energy Policy**

***Jessica Youle***

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# The Arizona Department of Commerce Energy Office

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To promote energy conservation and efficiency and reduce energy demand by developing and implementing comprehensive State energy conservation plans supported by Federal financial and technical assistance.

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# **Residential Technical Transfer**

***Charlie Gohman***

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## Residential Technical Transfer - Overview

- The residential program strives to increase the energy efficiency of Arizona's homes while ensuring they are safe, durable and comfortable.
- Incorporate the utilization of a more integrated approach to assisting, correcting and building residential structures based on the "House as a System" framework in Arizona's housing market.





## Residential Technical Transfer - Activities

- Provide workshops and trainings.
- Provide support for the Southwest Building Science Training Center.
- Provide technical assistance to the building industry.
- Provide inspection, training and technical assistance for the Arizona Department of Housing Tax Credit Program.
- Provide technical assistance and policy direction to HUD, Arizona Department of Housing and local affordable housing groups.
- Provide support for Home Performance with Energy Star in Arizona
- Provide support for Zero Energy Homes

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# Community Energy Program

*Robin Boudreau*

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# Community Energy Program - Overview

- To assist local municipalities (70,000 and less) to incorporate energy efficiency and environmental sustainability into their overall community planning process.
- To provide Building Energy Code support for all communities.





## Community Energy Program - Activities

- Provide technical consultations in regards to energy efficiency and renewable energy.
- Partnerships with Local Building Officials in providing Building Energy Code awareness.
- Establishment of Statewide Energy Champion Network.
- Promote National Energy and Sustainability Programs.



# **Energy Efficient Schools**

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# **Energy Savings Performance Contracting**

***Jim Westberg***

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# Energy Efficient Schools - Overview

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- Provide assistance and guidance to school districts in the development and implementation of their strategic energy plans.
- Provide policy direction to the School Facility Board that will facilitate the building and renovation of schools that are energy efficient and follow sustainable building practices.



## Energy Efficient Schools - Activities

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- Perform site visits and provide direction for new and existing building energy projects.
- Provide information to the districts with respect to available incentive programs.
- Develop strategic energy plans for districts.
- Implement action items from the energy plans by traditional or alternative funding mechanisms.
- Perform LEED EB analysis and scorecard for a school district.
- Provide workshops and training in partnership with the Energy Services Coalition.





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# State Building Energy Efficiency Program

*Jim Westberg*

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## State Building Energy Efficiency Program - Overview

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- “Lead By Example” initiatives to help state and local governments achieve substantial energy cost savings
- Promoting the adoption of energy efficiency and clean energy technologies by the public and private sectors.





## State Building Energy Efficiency Program - Activities

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- Assist agencies to develop energy plans to meet the statute and climate change goals.
- Conduct site visits & audits of state facilities.
- Assist benchmarking of state buildings to EPA Energy Star.
- Provide training on energy topics.
- Participate as a member of a green building design team.





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# SEP New Commercial Construction

*Jim Westberg*

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# SEP New Commercial Construction - Overview

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- The goal is having more commercial building owners adopt energy efficient measures and green building strategies to reduce energy consumption and achieve the associated emissions reductions.



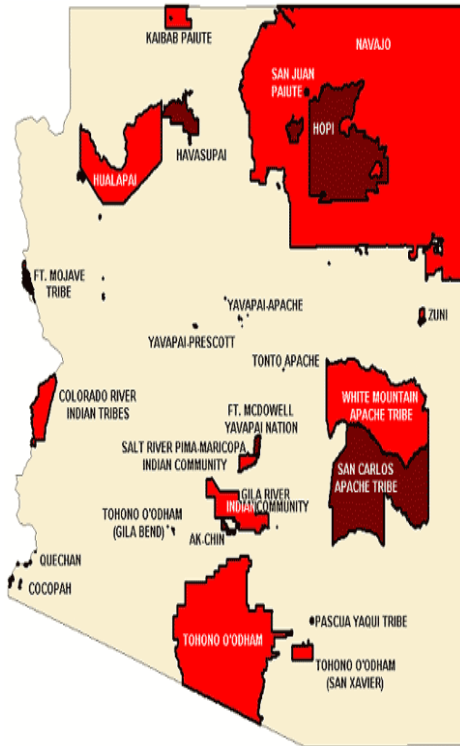


## **SEP New Commercial Construction - Activities**

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- **Provide technical assistance to designers of commercial building projects.**
- **Provide presentations on Green Building Standards.**
- **Participate as a design team member for a govt. or commercial building project.**

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# Renewable & Tribal Energy

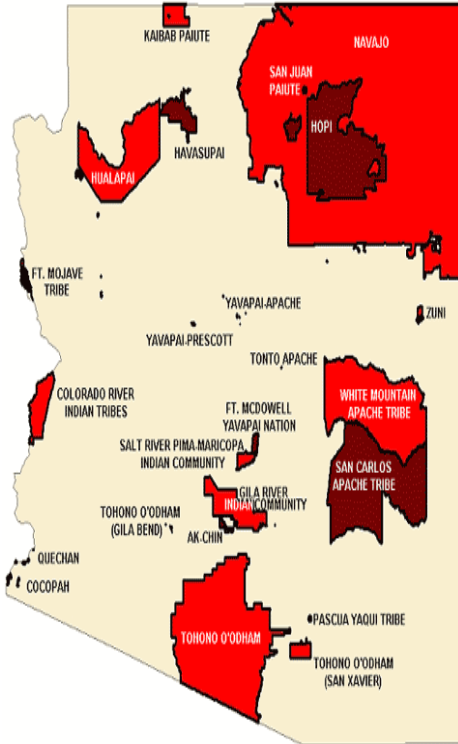
*Debby Tewa*



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# Renewable Energy Education & Outreach

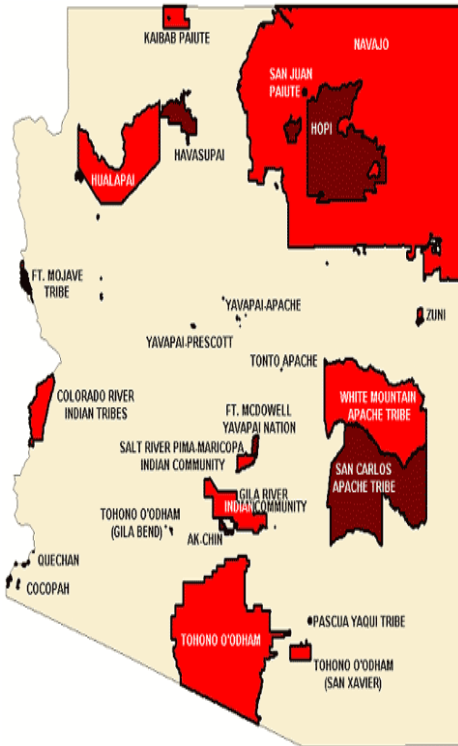
- The Energy Office promotes the development and utilization of renewable energy.





# Renewable & Tribal Energy - Activities

- Develop materials promoting renewable energy incentives in Arizona.
- Facilitate lectures, workshops and presentations to educate the housing industry.
- Facilitate lectures, workshops and presentations for government agencies including state, cities, towns, counties and tribes.
- Tribal renewable electrification through technical assistance.





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# Alternative Fuels

*Jack Haenichen*



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# Alternative Fuels - Overview

- Make Arizona a State known for production and use of alternate fuels.
- Reduce vehicle emissions, including greenhouse gases, encourage and promote fuel diversification to enhance air quality.





# Alternative Fuels - Activities



- Provide support to clean city partners in Arizona.
- Provide information on Alternative Fuel issues to interested parties
- Apply Arizona Department of Commerce assistance programs to emerging AZ alternate fuel production facilities
- Facilitate location of E-85 stations in Arizona (Principally Tucson and Phoenix)





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**Education**

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**Community Outreach**

***Gloria Castro***

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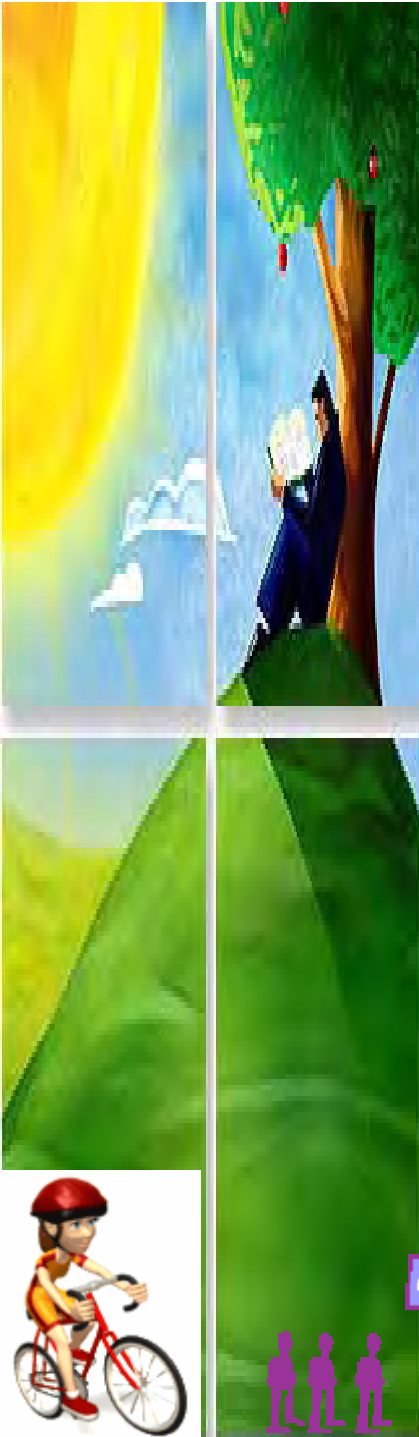
***Michelle Bermudes***

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# Education & Community Outreach - Overview

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- Provide consumers with information that will allow them to make informed choices as it relates to energy efficiency, renewable energy and energy efficient appliances.





# Education & Community Outreach - Activities

- Conduct conferences, seminars, workshops and trainings on energy-related topics (2).
- Provide educational programs for communities and professional associations (2).
- Provide administration and program support for two solar workshops in Arizona (2).
- Coordinate the Governor's Sustainable Partner Awards.
- Continuously update website to provide training, energy education information and links to other websites (min. monthly).
- Quarterly update of Arizona Solar Center website.
- Produce informational materials in support of an appliance standard awareness program.
- Provide educational programs on energy-efficient appliances.
- Coordinate an energy session track at the annual Governor's Rural Development conference.

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