



Yavapai- Apache Nation

TRIBAL ENERGY DEVELOPMENT

Presented by David E. Lewis, Environmental Specialist

Background



WAPA

- Post – 2004 Hydropower Allocations Announced to Tribes – Late 2001

ANA

- Created the Tribal Energy Action Plan – October 2000 – September 2001

YAN 1st Solar Project

Photovoltaic Solar System

- Middle Verde Community Day Care Facility
- Power Reliability Study
- System Size 1kw
- Double Axis Tracking System
- Funded by Urban Consortium Energy Task Force



Demonstration Projects

HUD RHED Economic Development & Capacity Building
(September 2001)

Demonstration Projects

- 10kW PV Solar Covered Parking Project on Food Bank
- 2 – 2kW PV Solar Projects on Residential Homes
- 2 – Solar Hot Water Projects on Residential Homes
- Weatherization Improvements using DOE's Weatherization Program

Food Bank

Photovoltaic Solar Parking Structure

- Middle Verde Community
- System Size 10kw
- Single Axis Tracking System
- Funded by HUD RHED



Capacity Building

WAPA Allocation Development (2000)

- Hydropower allocation from Colorado River Storage Project
- DOE's WAPA plan that was going to allow Native American Tribes to be eligible to receive the power generated on the Colorado River

Tribal Utility Authority Development

- Intended to evaluate buying and selling of wholesale power

HUD ICDBG

Photovoltaic Solar Covered Parking Structure System

- Middle Verde Community
- System Size 30kw
- Parking Structure
- Funded by HUD ICDBG



Biomass Feasibility Study

DOE Funded (2002 & 2005)

- DOE Funded two studies to evaluate the feasibility of using ponderosa pine as the fuel source to be used in a Biomass Facility potentially located in Camp Verde

New Solar/ Energy Efficiency Development

- Tribal Administration Building
- Community Services Building



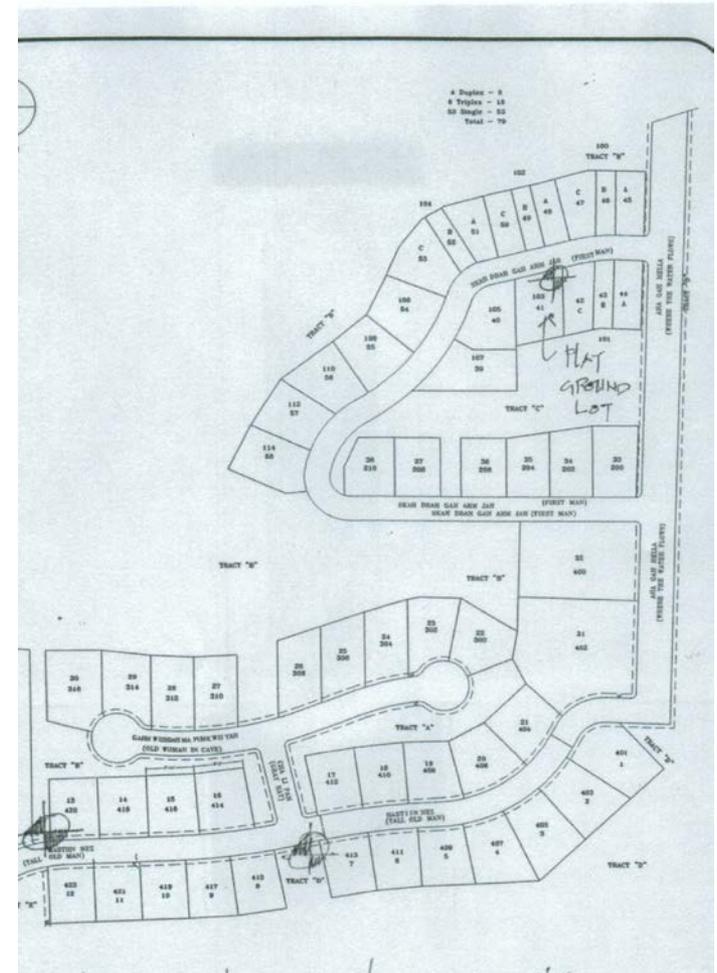
Solar Street Light Development

- Solar Street Light Installation and Retrofit – Stimulus Funding
 - Residential Communities
 - Middle Verde
 - Clarkdale
 - Tunlii
 - Camp Verde



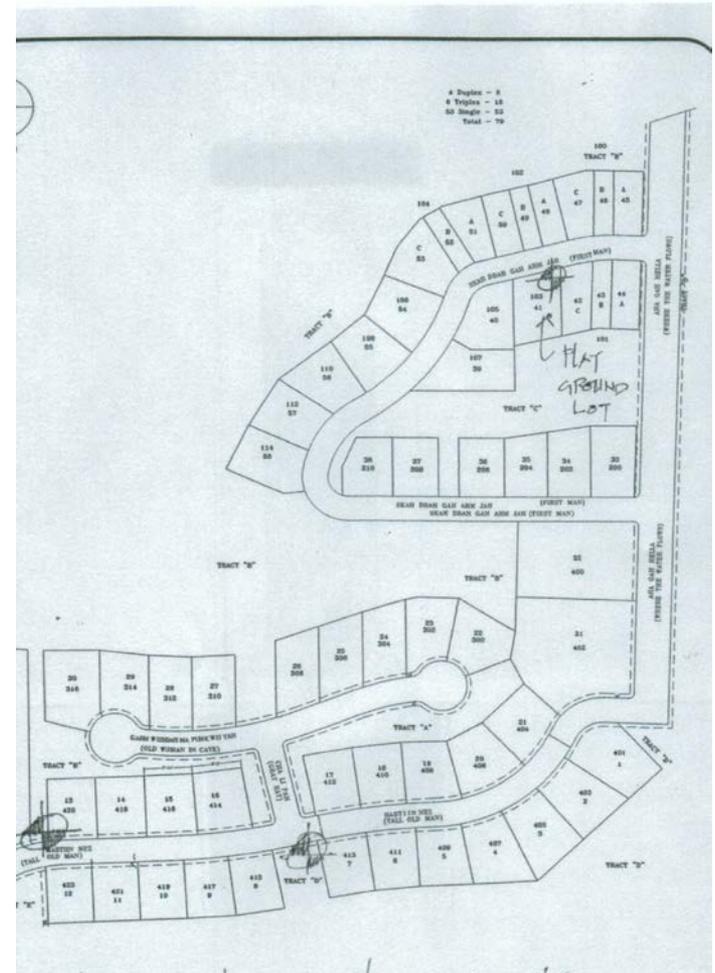
New Solar Street Light Development

- Tribal Housing
 - New Solar Street Light Installation
 - Approximately 13 new lights
- Residential Communities
 - Middle Verde
 - Clarkdale
 - Tunlii
 - Camp Verde



New PV Solar System Installations

- Tribal Housing
 - Tunlii Residential Community
 - Installed 36 New PV Solar Systems new single homes, duplex and tri-plex housing



Thank You

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