



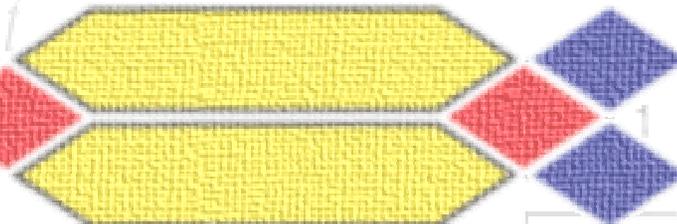
Kaw Nation of Oklahoma



The Kanza People
Kaws, Osages, Poncas, Omahas, Quapaws – Dehegila-Siouan of Ohio Valley



Kaw Nation of Oklahoma



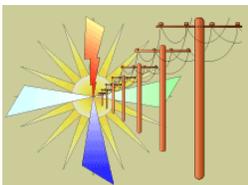
DEPARTMENT OF ENERGY

Office of Energy Efficiency and Renewable Energy Tribal Energy Program

Wind-Biomass Feasibility Study for the Chilocco Indian School Site in Oklahoma

FY2004 Program Review Meeting Presentation

October 2004
Golden, Colorado



**Kaw Nation
Utilities Commission**





Kaw Nation of Oklahoma

People of the Kaw Nation

▪ Federally recognized Native American Nation

- Constitution ~ Adopted and ratified August 14, 1990
- Government Elections ~ Every two years
- Honorable Guy Munroe ~ Chairman and CEO
- Executive Council ~ Elected Kaw Nation Members
- General Council ~ Enrolled Kaw Nation Members
- Employees and Commissioners (non-members)

▪ United States Population

- Enrolled Kaw Nation Members ~ 2772
- Oklahoma, Kansas, and California
- Hawaii, Virginia, West Virginia



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Kaw Nation of Oklahoma

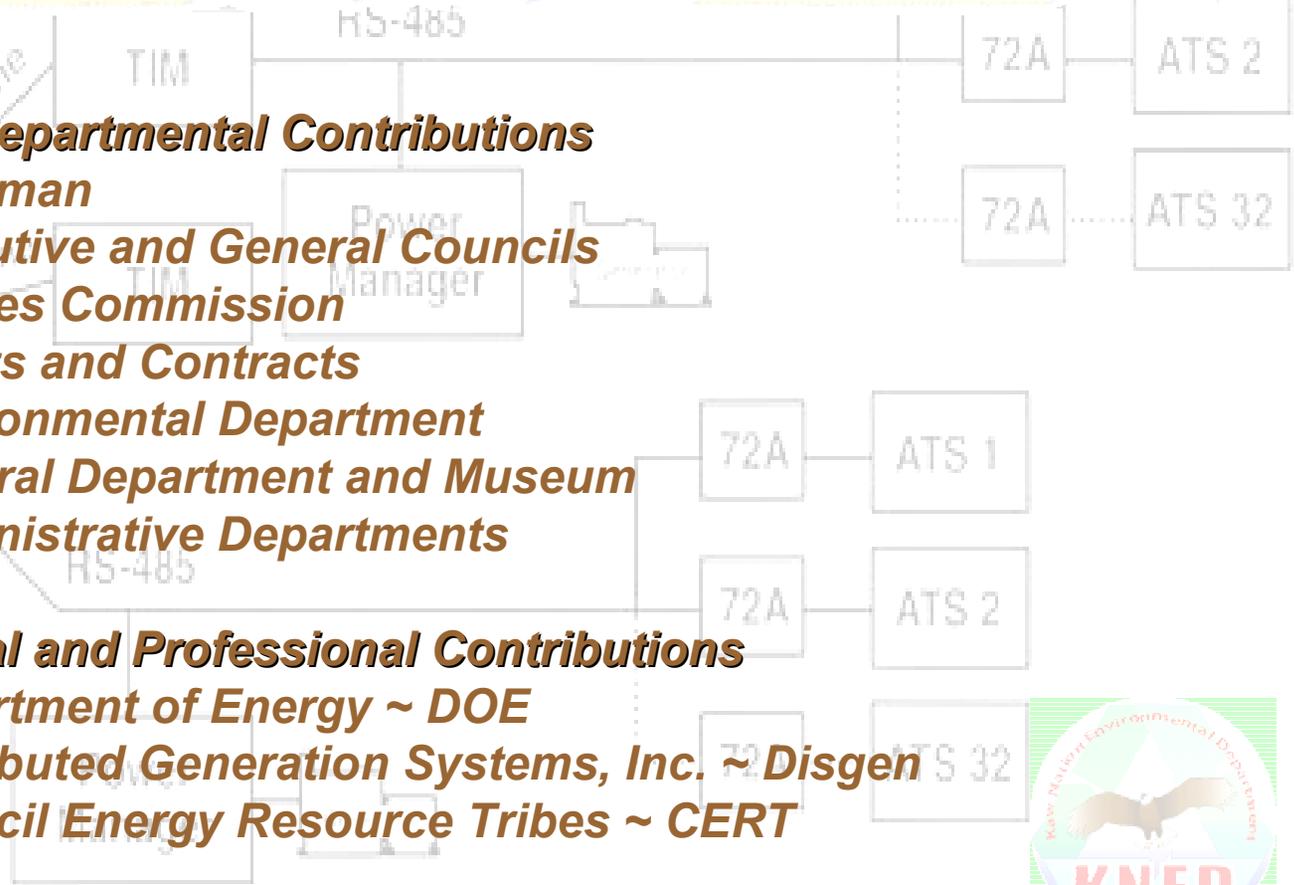
Renewable Energy Recognitions

▪Kaw Nation Departmental Contributions

- Chairman
- Executive and General Councils
- Utilities Commission
- Grants and Contracts
- Environmental Department
- Cultural Department and Museum
- Administrative Departments

▪Organizational and Professional Contributions

- Department of Energy ~ DOE
- Distributed Generation Systems, Inc. ~ Disgen
- Council Energy Resource Tribes ~ CERT



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Kaw Nation of Oklahoma

Energy Program Personnel

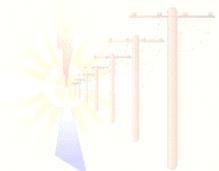
▪Kaw Nation Utilities Commission

- Administrative Clerk ~ Traci Townsend
- Commission Director ~ Charles E. Steiger Jr.
- Commissioners ~ Bob L. Gaddis
~ George Munroe
~ Ken Stamper

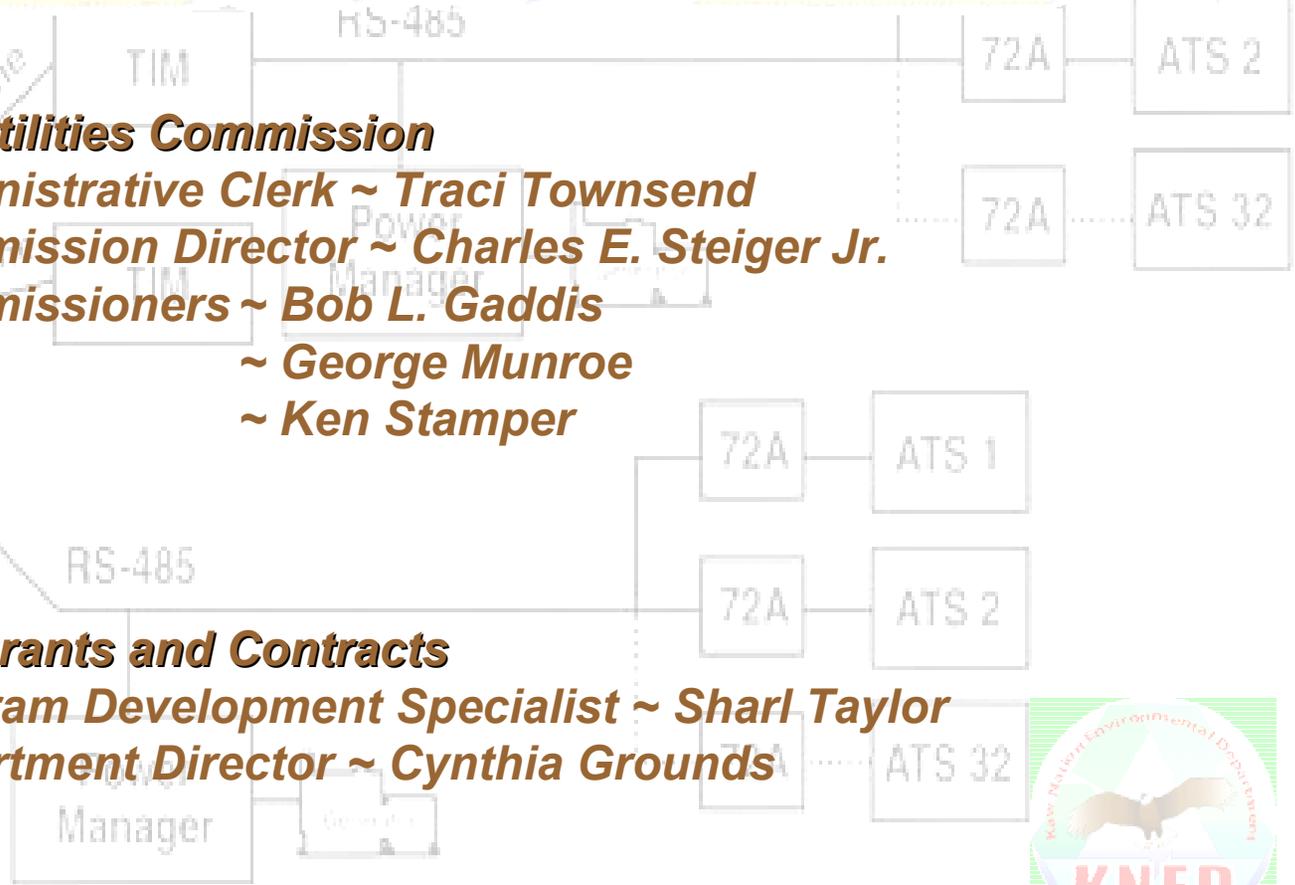


▪Kaw Nation Grants and Contracts

- Program Development Specialist ~ Sharl Taylor
- Department Director ~ Cynthia Grounds



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Kaw Nation of Oklahoma

Energy Program Personnel

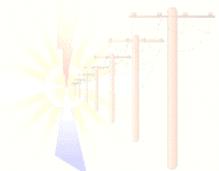
▪Kaw Nation Environmental Department

- Administrative Assistant ~ Michele Gentry
- Water Technician ~ Stephen McCauley
- Environmental Scientist ~ Shawn Keller
- Educational Coordinator ~ Scott Haywood
- Department Director ~ Dejene Alemayehu, Phd.



▪Kaw Nation Culture Department and Museum

- Language Director ~ Justin McBride
- Museum Director ~ Crystal Douglas (archaeologist)



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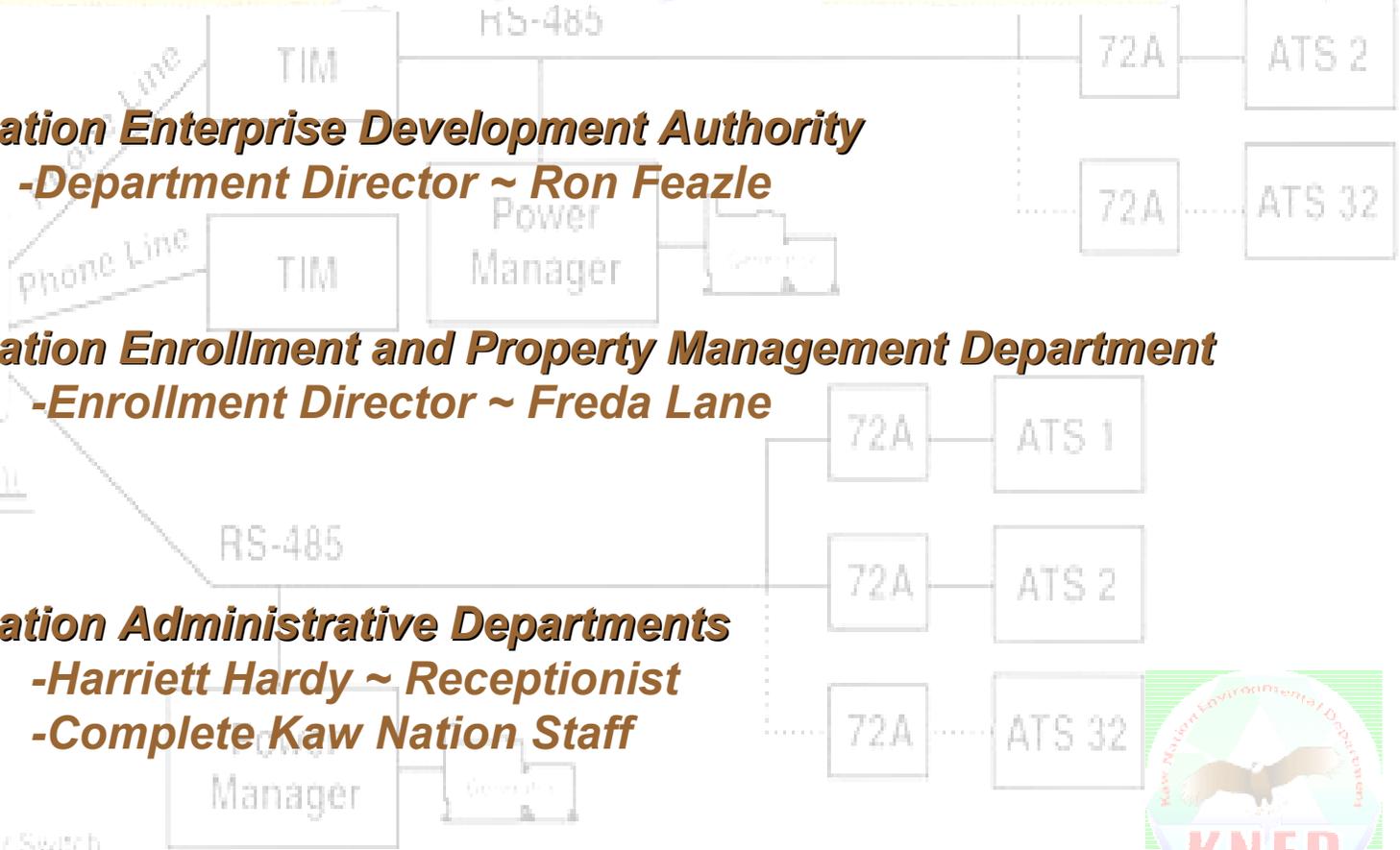
Kaw Nation of Oklahoma

Energy Program Personnel

- **Kaw Nation Enterprise Development Authority**
-Department Director ~ Ron Feazle

- **Kaw Nation Enrollment and Property Management Department**
-Enrollment Director ~ Freda Lane

- **Kaw Nation Administrative Departments**
-Harriett Hardy ~ Receptionist
-Complete Kaw Nation Staff



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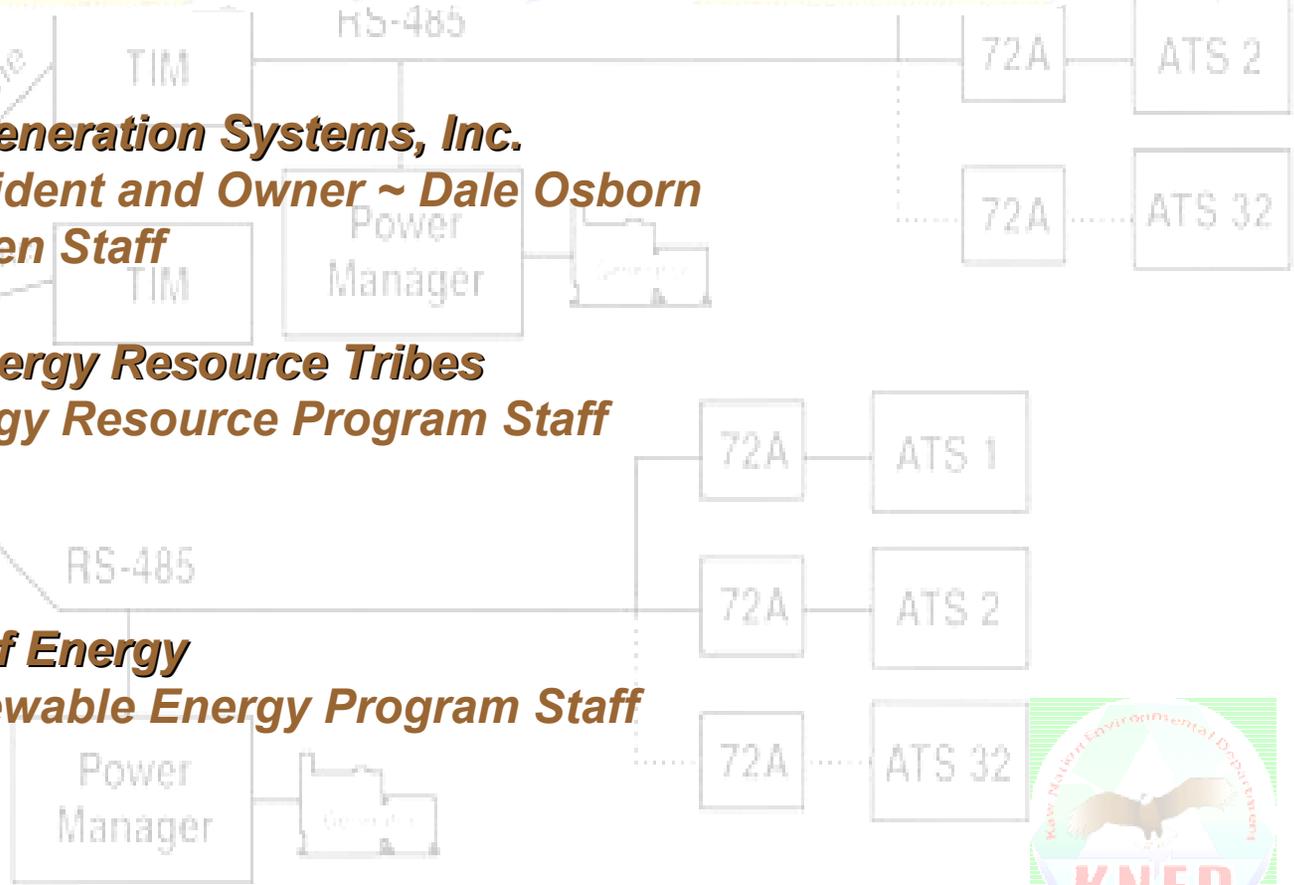


Kaw Nation of Oklahoma Energy Program Assistance

- **Distributed Generation Systems, Inc.**
 - President and Owner ~ Dale Osborn
 - Disgen Staff

- **Council of Energy Resource Tribes**
 - Energy Resource Program Staff

- **Department of Energy**
 - Renewable Energy Program Staff



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Kaw Nation of Oklahoma

Feasibility Study Program

Wind-Biomass Renewable Energy Objectives

- Commercial wind facility feasibility
- Sustainable wind resource
- Bio-mass power resource potential
- Avian impact (phase I)
- Cultural assessment
- Project economic projection (preliminary)
- Energy demands and planning
- Wind-hybrid integration
- Native American employment opportunities
- Regional energy-use market options

Computer

Power Manager

Power Manager

Generator

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ATS 2

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ATS 32

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ATS 1

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ATS 2

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ATS 32

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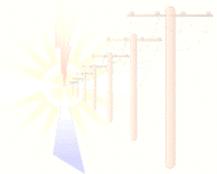


Kaw Nation of Oklahoma

Feasibility Study Summary

Wind-Biomass Renewable Energy Recommendations

- Chilocco School trust land site potential
- Wind energy resource sufficient
- Avian and Cultural impact limited
- Economic benefits available with PTC
- Energy sales market presents options
- Sustainable energy capabilities by local utilities
- Kaw Nation employment opportunities
- Native American proposed tax legislation



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Deer Creek
**Kaw Nation
of Oklahoma**

Administrative Offices and Museum

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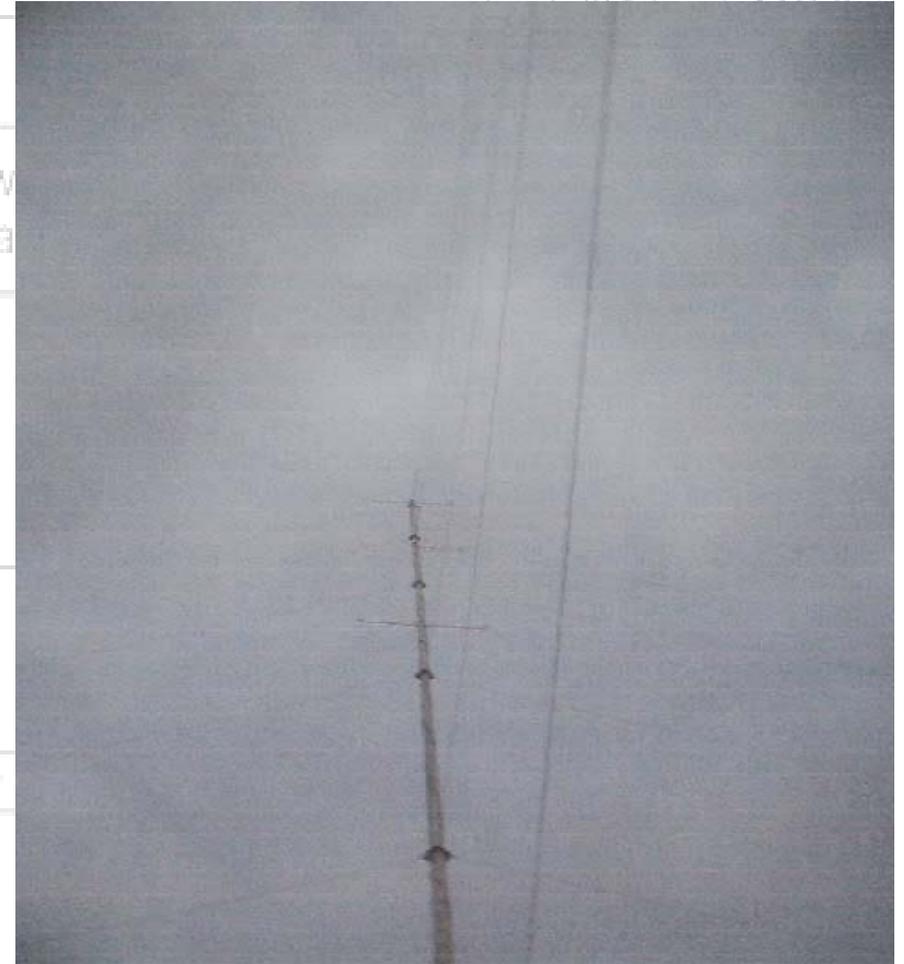


Kaw Nation of Oklahoma

Department of
MET

Washunga Bay and Chilocco MET Towers

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Kaw Nation of Oklahoma



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