

# **Citizen Potawatomi Nation**



**John A. Barrett – Chairman**

**Linda Capps – Vice Chairman**

**D. Wayne Trousdale – Secretary/Treasurer**

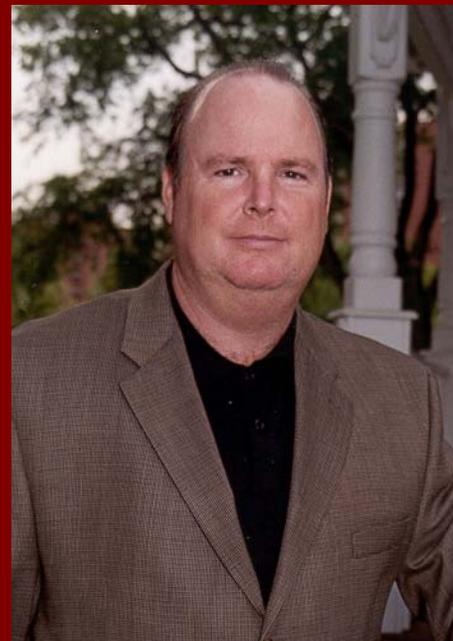
# Tribal Leadership



**John A. Barrett**  
**Chairman**



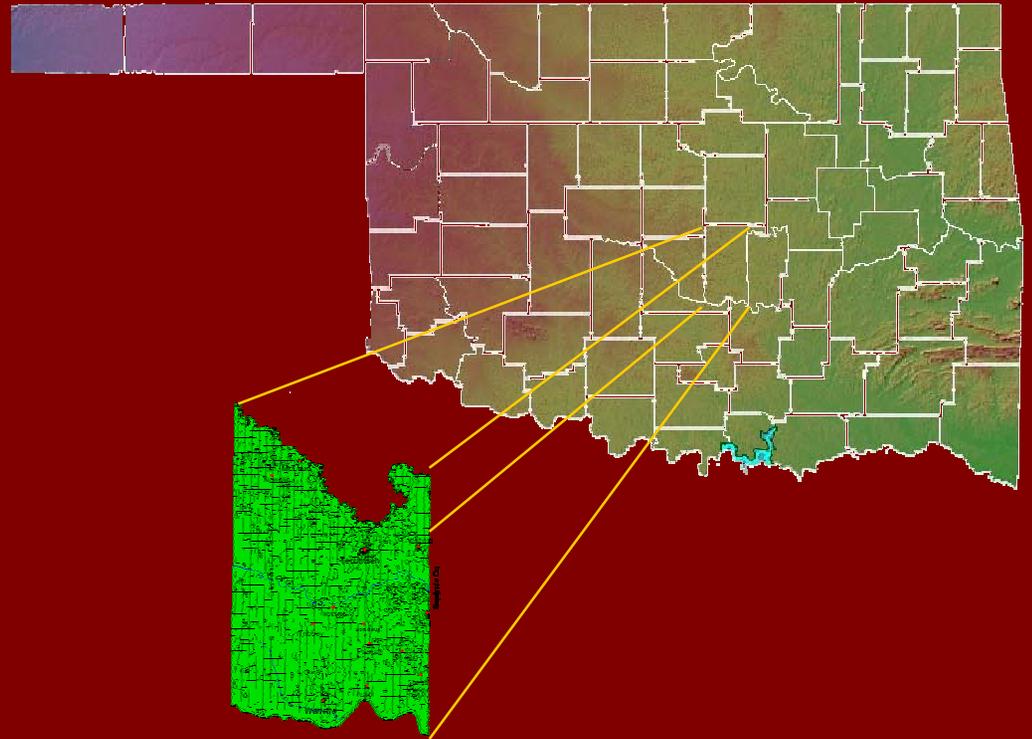
**Linda Capps**  
**Vice Chairman**



**D. Wayne Trousdale**  
**Secretary/Treasurer**

# Located in Shawnee, Oklahoma

- **Citizen Potawatomi purchased allotment lands consisting of a small 900 square mile parcel**
- **The largest part of the Potawatomi made their way to the new reservation in the 1880s.**





Humble Beginnings

# CPN Headquarters



## *The Tribal Administration Building houses:*

- Administrative Offices
- Enterprise/Tribal Accounting
- Tribal Rolls
- Employment and Training
- Cultural Resources
- Child Development Center
- Office of Self Governance
- Title VI Elderly Program
- Human Resources
- Purchasing
- Networking
- Occupied February 1998

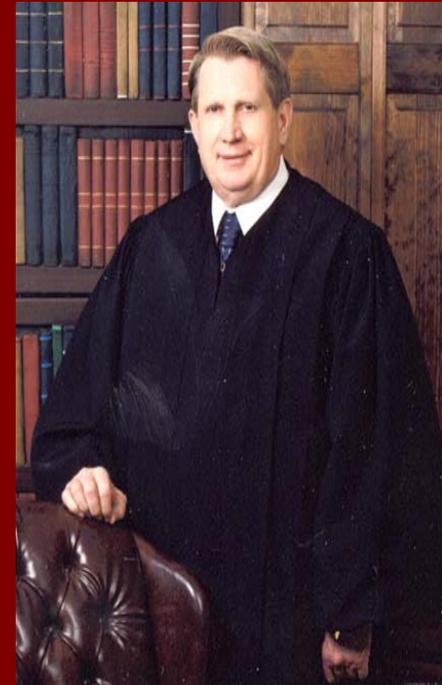
# Economic Impact



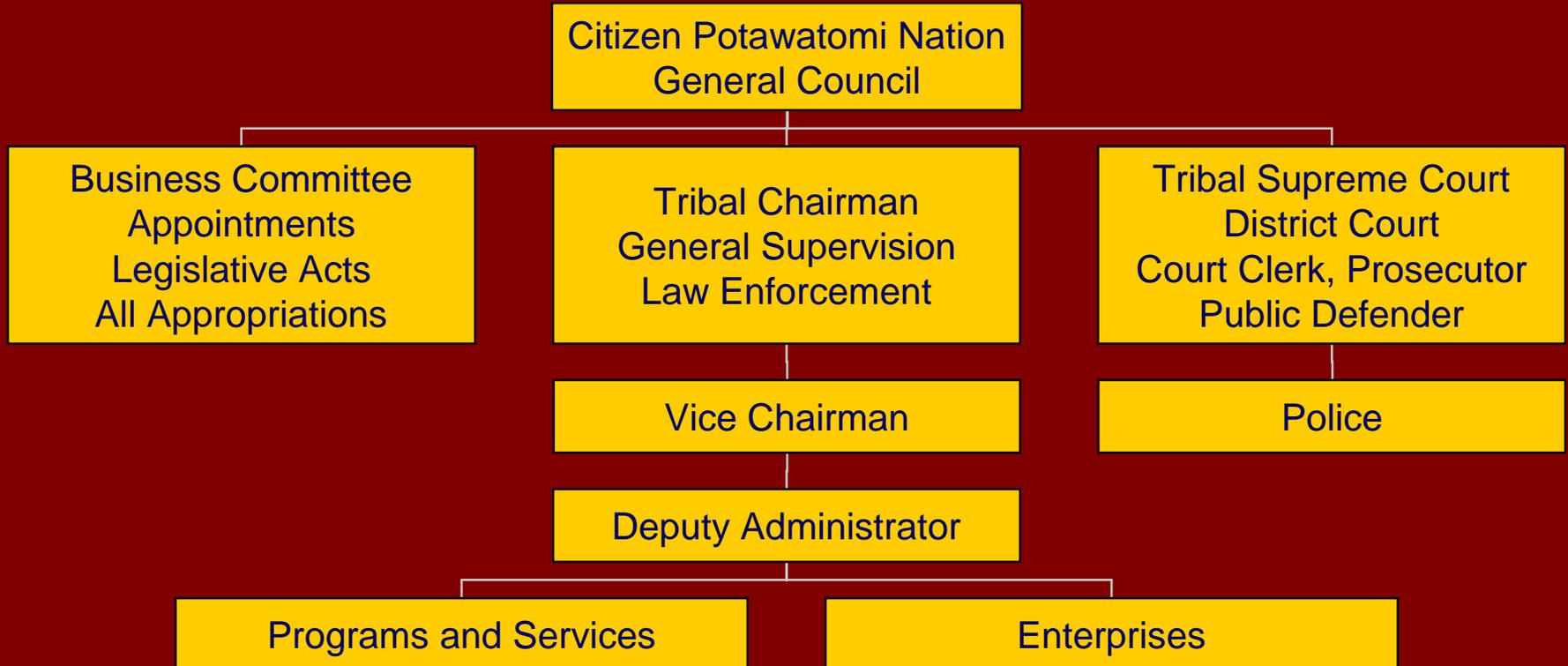
**2004 Community Impact = \$117,343,847**  
**2003 Community Impact = \$84,979,660**  
**2002 Community Impact = \$73,087,828**  
**2001 Community Impact = \$56,642,420**  
**2000 Community Impact = \$48,006,270**

# Tribal Court

- In operation since 1986
- Seven Supreme Court Justices
- Three district court judges
- One prosecuting attorney
- One public defender
- One court clerk
- Jurisdiction over any Citizen Potawatomi - anywhere
- Civil jurisdiction over non-Indians.



# Citizen Potawatomi Nation Tribal Government Structure



# Cultural Resources

- Preserve Potawatomi Culture
- Language Classes
- Historic Preservation
- Archaeology



# Jurisdictional Programs and Activities



## Health Complex

Clinic ~ Pharmacy ~ CHRs

Contract Health ~ Optometry

Dental ~ Audiology

Behavioral Health ~ Substance Abuse

# FireLake Wellness Center



# Child Development Center

- One of Only Two Two-Star Child Development Centers in Pott. County
- Current Capacity - 405



# First National Bank & Trust Co. of Shawnee

## Main Bank



# FireLake Branch



With solid earnings performance for the past six years, First National Bank is the fastest growing bank in Shawnee and the community's *only* locally owned bank.

# FireLake Casino

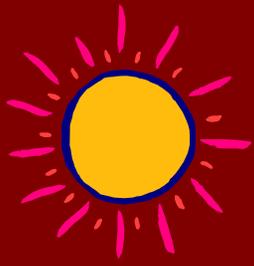


# FireLake Farms

2,500 Acres (Approx.)  
2 Full-time employee  
Best suited for agriculture  
production

- Hay
- Horticultural Produce
- Field Crops





Hot

Dry



# Oklahoma Weather

Irrigation system for expansion of horticulture production.



# CPN Housing Authority

- **Emergency rehabilitation loan program**



- **Down payment and closing cost assistance grant**

# FireLake Golf Course



# Geo Thermal Pond



# Geo Thermal Pond



# Geo Thermal Pond



# Geo Thermal Pond



# Cultural & Heritage Center



52,000 Square Feet

# Firelake Discount Foods



◆ 84,000 Square Feet

# FireLake Discount Foods



# Overview of Project

## ◆ Features to be Implemented

- Integration or Sharing of HVAC Loads
- Ground Water Development for Water Source Heat Pumps
- Heat Recovery from FDF (Grocery Store) as Energy Source for
  - Green Houses
  - Other systems in the future

# Integration or Sharing HVAC Loads



Integrating component be a water-based system consisting of a combination of

- ponds, water supplies,
- Heat source from FDF (grocery store) evaporative condensers

## ◆ Buildings include

- FDF (large source of heat from A/C & Refrigeration heat rejection),
- Casino (100 of 298 tons cooling with pond source)
- and three greenhouses (in-floor heating with evaporative condenser heat; cooling with swamp coolers)

# FireLake Golf Course



Originally water was pumped from a well 24 hrs daily at 55 gpm only to water the golf course.

This water is now being used to also supply water for the adjacent new Heritage Center 100 ton GHP systems.



# Ground Water Development For Ground Source Heat Pumps

- 
- ◆ Apply Success of new Heritage Center
    - Small pond fed with water pumped from aquifer
    - 100 tons cooling with a 77 degree maximum temperature returning to heat pumps
  - ◆ Include retention pond feature

# FireLake Discount Foods

A large source of heat energy: Potential to supply a car wash, or greenhouses, or laundry or similar business



# Heat Recovery from FDF as Energy Source for Greenhouses

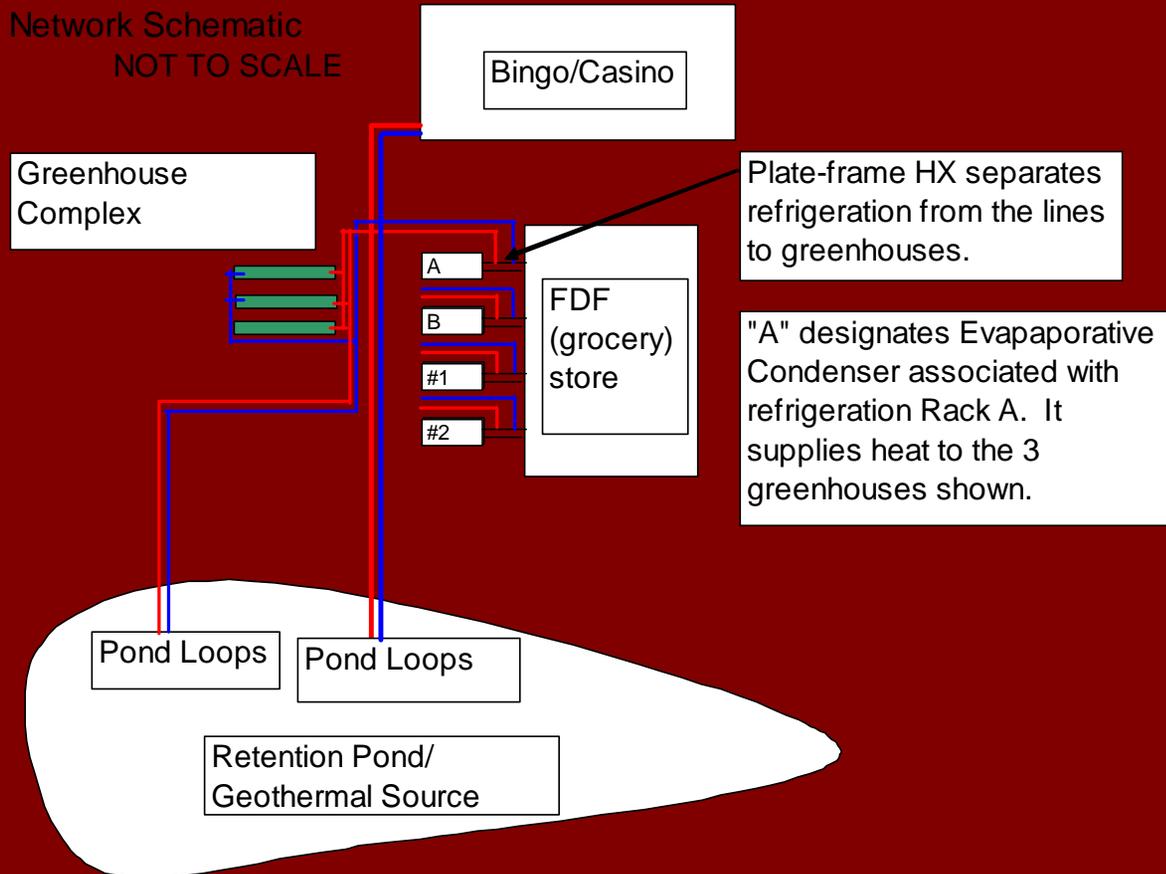
- ◆ A maximum of 6437 MBtuh is rejected from FDF evaporative condensers which can be utilized.
- ◆ Water heated through plate frame heat exchangers in contact with refrigerant is pumped through pipe in floor of greenhouses to heat the space.

# FDF Evaporative Condensers



# System Network Schematic

Network Schematic  
NOT TO SCALE





# Summary: Networking Pond, Greenhouses and Three CPN Facilities

- ◆ Pond provides coupling among all facilities
- ◆ Greenhouses networked with FDF evaporative condensers and pond (6437 MBtuh heat is normally wasted from the evaporative condensers)
- ◆ Provides a sustainable business venture:
  - produce is raised in greenhouses
  - sold by the FDF (FireLake Discount Food) Store
  - greenhouses gives employment for tribal members
- ◆ GHP systems in Casino saves energy, has low cost Operation & Maintenance.