

# **The General Land Office**





Established on December 22, 1836
First Commissioner -John P. Borden
Republic faced debts but had an abundance of land
Current Commissioner Jerry Patterson

# **Annexation & Debt**

### •The Republic of Texas

-Large debt but an abundance of land

–Offered the U.S. 175 million acres for \$10 million (the U.S. Congress rejected)

## The State of Texas

-Came into the Union with all its debt and public lands

-Continued the Spanish and Mexican practice of granting the public domain to encourage development.

### •The Compromise Act of 1850

-Texas ceded 67 million acres of land outside its present boundaries to the US for \$10 million in Federal bonds (Map on next slide)

 This left Texas debt free with millions of acres of public lands to serve the public needs



Self Explanatory



# Sam Houston Makes It Possible



**Beauford Jester** 



Allan Shivers

- 3 Marine Leagues (10.35 miles)
- 1836 Gen. Sam Houston sketches boundary
- 1845 Annexation Agreement reserves the land
- 1940 Oil in the coast causes controversy
- 1953 Eisenhower signs bill for state ownership











# **Kilowatt Hours**

- Average U.S. Household
  - Uses about 10,655 kilowatt hours (kWh) annually
  - In Texas, it's more than 12,000 kWh
- 1 Megawatt Turbine
  - 1 megawatt = 1,000 kilowatts
  - Produces 2.4 to 3.0 million kilowatt hours annually
  - Enough electricity for 250 to 300 homes
- Installed Capacity
  - U.S.: over 9,000 megawatts (2.7 million homes)
  - Texas: approx. 2,000 megawatts (600,000 homes)
- Invested
  - \$9 Billion in the U.S. (\$1 million per MW installed)
  - Offshore farm costs nearly double

# **Benefits of Wind Power** Inflation-Proof - Zero cost of fuel (not affected by fuel prices) **Unlimited Domestic Energy Source** • No Secondary Threat To Public • - Radioactivity, spills, breach of dams • Yearly Displacement By A 100 Megawatt Wind Farm - 384,000,000 pounds of CO2 - 1,800 pounds of sulfur dioxide - 342,000 pounds of NOx - 30,000 pounds of VOCs - 225,000,000 gallons of water • No Fuel To Mine, Transport, Or Store • No Waste • Royalties For The PSF

# Consideration

- Challenges
  - Off-shore projects are time & capital intensive
  - Wind resources are uncertain
  - Find the money
  - Acquire the land
- Solution
  - Progressive consideration provisions
    - Annual royalty
    - Production royalty



# Term

- Challenges
  - Research wind resources
  - Construct Project
  - Produce wind-generated electricity
- Solution
  - A two-phase lease
- Research Phase
  - Option to terminate or continue to Phase II
- Construction and Production Phase
  - Construction period dependent on Project size
  - Long production period with possible extensions

# Retained Acreage Challenges Difficult to determine wind easement Do not know where the wind is Equipment for project has yet to be designed Solution Retained acreage provision that encompasses the wind easement Determined prior to construction by reasonable industry standards

# Reservations

- Challenges
  - Retain exclusive right to wind
  - Prevent others from damaging project
- Solution
  - Reasonable accommodations by Lessees
  - Most troublesome Provision
    - GLO does not own the wind; only the land
    - Enforcement issue (notification)

# Miscellaneous

- Removal Provision
  - Lessee must give a removal deposit to assure removal of improvements (note: ownership)
- Environmental
  - Assure that lessee is balancing the bottom line with environmental concerns
- Public Records
  - Make lessee aware that the GLO's records are subject to disclosure
- Reports
  - Gather all information from lessee, including wind data, while balancing public records requirement
- Rights of Lender

 Giving the Lessee the ability to finance the project without giving away the farm

