



GREEN It's Not Just The Color Of Money



CROWE&DUNLEVY
ATTORNEYS AND COUNSELORS AT LAW



“Go Green”

- To "go green" means take care of where we live - Earth.

There is hope if people will begin to awaken that spiritual part of themselves, that heartfelt knowledge that we are caretakers of this planet.

~Brooke Medicine Eagle~



“Go Green”

- Going green means having the three R's become a part of our lives:
 - Reduce
 - Reuse
 - Recycle



JUST A FEW Tribal Efforts to “Go Green”

- Sustainable Power – Wind Power
- Green casino
- Green buildings for homes
- Self-sufficiency in waste management



WIND ENERGY



Sustainable Energy

Demand for Electricity

- Average household consumption of electricity in the United States is:
 - 920 kWh per month (2006 DOE figures)
 - 11,004 kWh per year



Sustainable Energy

The Economics of Wind



Measured in Cents per kWh

- Nuclear: 11.1 to 14.5
- Gas: 3.6 to 5.4 (varies w/ gas price)
- Wind: 2.1 to 4.0 (with PTC)
- Coal: 1.5 to 3.5



Wind Projects

Benefits

- **Economic Development**
 - New revenues (lease royalties and tax revenues)
 - Equity participation
 - Local economic stimulus during construction and operations stages

Wind Projects

Benefits



- **Environmental**

- No air pollution or toxic emissions
- Virtually no water use
- Low land impact, no solid waste
- Compatible with existing grazing, agricultural and other land uses

Wind Projects

Benefits

- Capacity Building
- New business models
- Develop tribal human resources
 - Mentoring and internships
 - High-tech jobs and training
 - Experience in high-tech renewable energy industry

Wind Energy DoE Assisted Projects in Oklahoma

- Citizen Potawatomi
 - Development of strategic energy plan
- Cherokee Nation
 - Feasibility study
- Kaw Nation
 - Feasibility study for commercial wind
- Fort Sill Apache
 - Energy assessment
- Pawnee
 - Feasibility and planning for energy future



Summary – *Why Wind?*

- Energy Security and Independence
- Reduce vulnerability to volatile utility prices
- Resources, funds and support available
- Improved environmental stewardship
- Reduces air pollution from fossil fuel sources

Building Green Eco-Construction



What does “green” mean when applied to Eco-Construction?

- Many different standards and programs for eco-certification
 - Trade Association Certification
 - Independent Certification
 - Consensus Based Certification

Trade Association Labels

- Promulgated by industry trade associations
- May be primarily marketing tools
- This is where the term “greenwashing” used

Independent Certification Labels

- Often pioneers in the certification industry, manufacturers and industry groups began to provide information about products where none previously existed
- The eco-friendly trends and demands of consumers means proliferation of eco-labels



Consensus Based Eco-Labeling Programs

- The most reliable eco-labels for green building products are those that are developed through a consensus negotiation process



LEED® for buildings



Forest Stewardship Council (FSC) for wood products



EnergyStar® for energy efficiency

Eco-Labeling Programs

Consensus Based

- A seat at the table for all stakeholders
- Time consuming consensus process
- May lag behind the leading edge of technology
- Some industrial players may dominate the process in terms of financial and human resources
- The results represent progress

Eco-Construction is a Growing Phenomenon

- U.S. Green Building Council states that 118 hotels have registered for LEED® certification

What is LEED®?

- The Leadership in Energy and Environmental Design (LEED®) Green Building Rating System



What is LEED®?

- LEED® is a third-party certification program and the nationally accepted benchmark for the design, construction and operation of high performance green buildings.

What is the point of a rating system like LEED®?

- The Leadership in Energy and Environmental Design (LEED®) Green Building Rating System™ encourages and accelerates global adoption of sustainable green building and development practices through the creation and implementation of universally understood and accepted tools and performance criteria.

What does LEED® do?

- LEED® gives building owners and operators the tools they need to have an immediate and measurable impact on their buildings' performance.

What does LEED® do?

- LEED® promotes a whole-building approach to sustainability by recognizing performance in five key areas of human and environmental health:
 - sustainable site development
 - water savings
 - energy efficiency
 - materials selection
 - indoor environmental quality

LEED® Certified Casinos?

- No casinos have been certified under LEED®
- Biggest obstacle: Need to satisfy customers who smoke
- LEED® requires
 - separate smoking areas
 - systems to contain and remove smoke
 - air quality monitoring

The Palazzo Hotel Las Vegas

- World's largest building project to receive a LEED® certificate
- Palazzo's LEED® certificate was just for its hotel
- One of at least 10 casino-related projects nationwide seeking certification



The Palazzo Hotel

Odds stacked in favor of going green

- Extra cost to meet LEED® standards BUT
- Tax incentives – for example tax breaks from the state of Nevada could put as much as three times the extra cost of constructing environmentally friendly buildings back into developers' pockets
- Lower energy bills

Largest Green Hotel

MGM Mirage City Center

- Largest green hotel in the world is to be set in MGM Mirage's \$9.2 billion City Center in Las Vegas
 - Eight of the world's top architects collaborated to create a world-class city within a city
 - Located directly on the Las Vegas Strip
 - Claims eco-friendly environment
 - Claims to achieve LEED Certification by the U.S. Green Buildings Council



Turtle Creek Casino & Hotel Traverse City, Michigan

- Owned by Grand Traverse Band of Ottawa and Chippewa Indians
- Constructed new building for the casino
- Added green measures
 - Increased initial cost by about 10% (Tribal estimate)
 - Anticipated energy savings
 - 12 Champion Norway Maple Trees cloned from the National Champion in Empire, MI



Turtle Creek Casino & Hotel

- Green measures include:
 - 2400 sq. foot green roof over one restaurant (daylilies, ferns and hostas)
 - Roads, parking made with recycled materials
 - Skylights provide half of all lighting during day
 - Air purifying system exchanges outdoor air for smoky air
 - No drinks in cans or bottles
 - Own well and sewage treatment system
 - Slot machines use less energy

Turtle Creek Casino & Hotel

- When old facility demolished, 80 % of its materials will be recycled or reused



Humankind has not woven the web of life.
We are but one thread within it. Whatever we
do to the web, we do to ourselves. All things
are bound together. All things connect.

~ *Chief Seattle, 1854* ~