

Going Green with Technology

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Going Green with Technology

- What is Green?
- How to Go Green?
- Why Go Green?

History of Green Movement

- 1850's – Writings of George Perkins Marsh and Henry David Thoreau
 - *Walden*
 - Ecology, simple living, Garden City greenbelt movement
- 1891 – Forest Reserve Act
 - legislated creation of 155 protected national forests and 20 national grasslands
- 1892 – John Muir founds Sierra Club



History of Green Movement

- 1960's – Modern Green Movement
- 1962 – Rachel Carson's *Silent Spring*
– focused on harmful effects of pesticide use
- 1969 – Environmental Protection Agency formed
- 1970's, 1980's, and 1990's – Decades of Activism



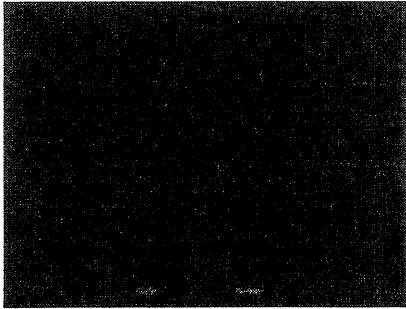
History of Green Movement

- 2000's – Innovation
- Green tech may be the next bubble

What is Green?

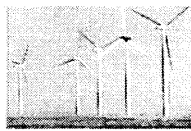
- Environmentally Conscious
- Renewable
- Sustainable
- Clean
- Forward Thinking
- Resourceful
- Efficient

What is Green?



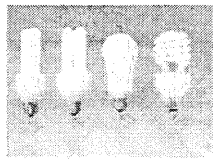
What is Green?

- Recycling
- Biofuels
- Solar
- Wind
- Hydroelectric
- Geothermal



What is Green?

- Hydrogen Fuel Cells/Hybrid Car s
- Compact Florescent Light Bulbs
- EnergyStar Appliances and Electronics
- Green Building (LEED - Leadership in Energy and Environmental Design)



How to Go Green?

- Technology
- Behavior

Teleconferencing/Videoconferencing

- Remote Meetings using computer or phone systems instead of traveling

Teleconferencing/Videoconferencing

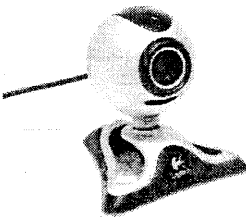
- Required Technology:
 - Webcam (\$20-30)
 - Microphone (\$20)
 - Speakers (\$25)
 - Computer (\$500-1000)
 - Internet connection (\$50/month)
 - Skype, Google Voice, iChat (free)

Teleconferencing/Videoconferencing

- Pros:
 - save gas
 - less travel, flexible, convenient
 - transportation costs, time is money, free calls
- Cons
 - Bandwidth, troubleshooting, security

Video Magistration

- Remote magistration over the internet using webcam



Video Magistration

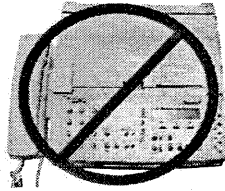
- Required Technology:
 - Webcam (\$20-30)
 - Microphone (\$20)
 - Speakers (\$25)
 - Computer (\$500-1000)
 - Internet connection (\$50/month)

Video Magstration

- Pros:
 - save gas
 - less travel, can be done at any time, convenient, easy to record
 - transportation costs, time is money
 - SAFER!
- Cons:
 - Setup costs, Not applicable, troubleshooting

Paperless/Digital Fax

- Transmit of electronic files/scans instead of paper without need for a computer



Paperless/Digital Fax

- Required Technology:
 - Paperless Fax Machine (???)
 - or
 - Electronic Fax Service (\$15-25/month)
 - Internet connection (\$50/month)

Paperless/Digital Fax

- Pros:
 - use less paper, no toxic inks
 - faster transmission, no printing time, receivable anywhere in email
 - pay for less paper and toner/ink
- Cons:
 - Untested, unknown equipment costs

Telephone Interpreters

- Services that provide licensed interpreters to government agencies available at any time over the phone



Telephone Interpreters

- Code of Criminal Procedure
 - Art. 38.30 (a-1)
 - “ A qualified telephone interpreter may be sworn to interpret for the person in the trial of a Class C misdemeanor or a proceeding before a magistrate if an interpreter is not available to appear in person before the court or if the only available interpreter is not considered to possess adequate interpreting skills for the particular situation...”

Telephone Interpreters

- Required Technology:
 - Phone line
 - Speakers (\$25)
 - Service (\$1-2/minute or set fee)
- Services:
 - Language Line (AT&T)

Telephone Interpreters

- Pros:
 - less gas
 - convenient, no travel time, finding qualified people
 - less staffing, travel costs
- Cons:
 - Connection problems, bandwidth

Remote Court Reporting

- Video/teleconferencing with a court reporter instead of having them in the court

Remote Court Reporting

- Required Technology:
 - Phone line/Internet connection (\$20-\$50/month)
 - Webcam (\$20-30)
 - Microphone (\$20)
 - Speakers (\$25)

Remote Court Reporting

- Pros:
 - less gas
 - convenient, no travel time, finding qualified people
 - travel costs
- Cons:
 - Connection problems, bandwidth

Paperless Court

- electronic docket, all filings done as pdf's, paper documents scanned and viewable online
- e-filing: attorneys may file documents electronically
- e-service: serve process by email
- e-discovery: develop cases online
- e-commerce: handle payments online

Paperless Court

- Average person uses 700 pounds of paper a year.
- Average Lawyer uses more than a ton!

Paperless Court

- Required Technology:
 - Scanner (\$50-100)
 - Computer (\$500-1000)
 - Internet connection (\$50/month)
 - Software Solution
 - eTicket Writers

Paperless Court

- Pros:
 - less paper, less gas
 - instant communication, less travel, better organization/filing
 - buy less paper, travel costs, postage, less storage space
- Cons
 - Long process, Setup costs, Choosing vendor, power outage?

Green Building

- Environmentally friendly, recycled materials
- Orientation on the site to maximize efficiency
- Location close to public transit
- Bike racks
- Planting trees (shade and CO2)
- LEED

Green Building

- What is LEED?
 - Weatherization
 - Use of gray water, rain water
 - Natural Ventilation
 - Natural lighting/Sensor controlled lighting
 - High performance glazing on windows
 - Low emission carpets and paints

Green Building

- Why LEED?
 - Buildings use 60% of our nation's energy
 - LEED buildings average 40% less energy usage than average building

Green Building

- Pros:
 - Smaller carbon footprint
 - Lower Utility costs
 - Publicity, Civic Pride!
- Cons:
 - Expensive material costs, research, certification time

Green Behavior

- Travel Less, Better
 - Telecommute, Videoconferencing
 - Carpooling, public transit, biking, walking
 - Staggered work hours
 - 4 day work week



Green Behavior

- Use Less Energy
 - Shut off equipment/lights when not in use
 - Use energy efficient electronics, lights
 - Build better buildings, renovate old buildings

Green Behavior

- Use Fewer Resources
 - Using backs of printed paper as scratch paper
 - Electronic documents
 - Email vs Mail (blasts vs mailings)
 - Using Youtube, Website to push information to public

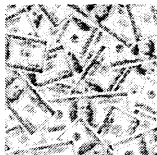
Why Go Green?

- Save the Environment
 - Use less gas
 - Use less electricity
 - Kill fewer trees



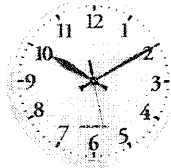
Why Go Green?

- Save Money
 - Spend less on gas
 - Spend less on electricity
 - Spend less on paper



Why Go Green?

- Save Time
 - Spend less time traveling
 - Spend less time filing/organizing



Why Go Green?

- Additional Benefits
 - Good Publicity
 - Preparation for the Future
 - Convenience
 - Safety

Challenges of Going Green

- Intimidating
- Unfamiliar
- Upfront Costs
- Troubleshooting
- May not be applicable

Summation

- What?
 - Sustainable, Clean, Efficient
- Why?
 - Save the Environment, Save Time, Save Money
- How?
 - Technology
 - Behavior

Summation

- Cumulative Effect (every little bit helps)
- Increased Savings over time
- Efficient
- Current economy is an opportunity to promote change

Resources

- Grants and Incentives
- Court Technology Fee (Municipal and JP only)
- Online Information Resources

How are your courts Going Green?

Thank You!
