Greening Your Casino

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Greening Your Casino

- Benefits
- Opportunities
- Tips for reducing waste
- Pollution Prevention Assessments
- Funding Sources
- Tools and Resources

What are the benefits?

- Less harm to the environment
  - Reduced exposure to toxic chemicals
- Significant Cost Savings
  - Energy
  - Water
  - Solid Waste

- Improve overall well being of employees and guests

Reduce, Reuse, Recycle

- Gaming Area
- Restaurants
- Hotel/Spa
- Grounds Maintenance
- Equipment
- Purchasing

Opportunities
Gaming Area

- Energy Efficient Lighting/LED conversions (slot machines/exit lights)
  - 50% less energy
  - Last longer
  - Do not contain mercury
  - Cool to the touch - reduce HVAC load
- Cashless machines
  - Eliminates plastic containers
  - Requires less energy
- Re-Used decks of cards
  - Sold in gift shops
  - Placed in hotel room for guest usage

Opportunities
Gaming Area cont.

- Use glassware instead of bottled water and cans plastic cups
- Encourage guest to recycle make sure bins are at the entrances and exits.

Opportunities
Restaurant

- Recycling
- Composting
- Water and energy efficient systems
- Less toxic janitorial products

Opportunities
Restaurant
Cooking Oil = Biodiesel

From this…

Used Cooking Oil

Processing

To this

Biodiesel

Opportunities
Hotel

- Linen/Towel Reuse Program
- Low-flow Faucets, Shower Heads and Toilets
- Seasonal Hotel Pool Operation

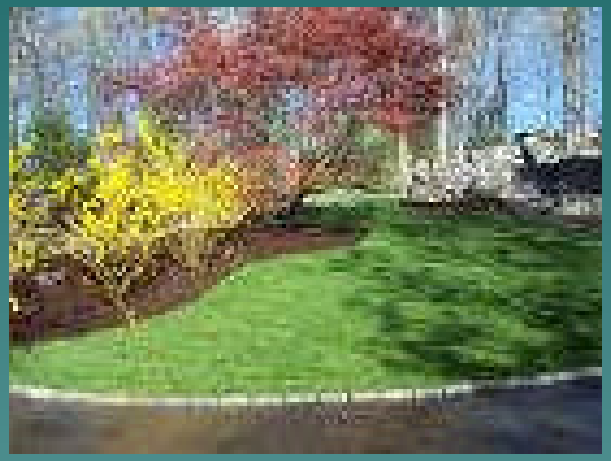
Opportunities
Hotel/Spa cont…

- Energy efficient heating and cooling systems-Programmable Thermostat
- Energy efficient lighting

- Occupancy sensors
  - storage area
- Use less toxic products
  - Janitorial
  - Personal care (spa)

Opportunities
Ground Maintenance

- Compost
- Reduce pesticides/ herbicide use
- Water efficient systems
- Energy efficient lighting



Opportunities
Equipment

Commercial Appliances

Computers

Washers

Fryers

Opportunities
Environmentally Preferable Purchasing

Things to consider when purchasing:

- Buy in bulk
- Less toxic products
- Energy-efficient and water conserving products
- Reusable, refillable, biodegradable materials
- Recycled products
- Energy efficient equipment

Green Purchasing Products

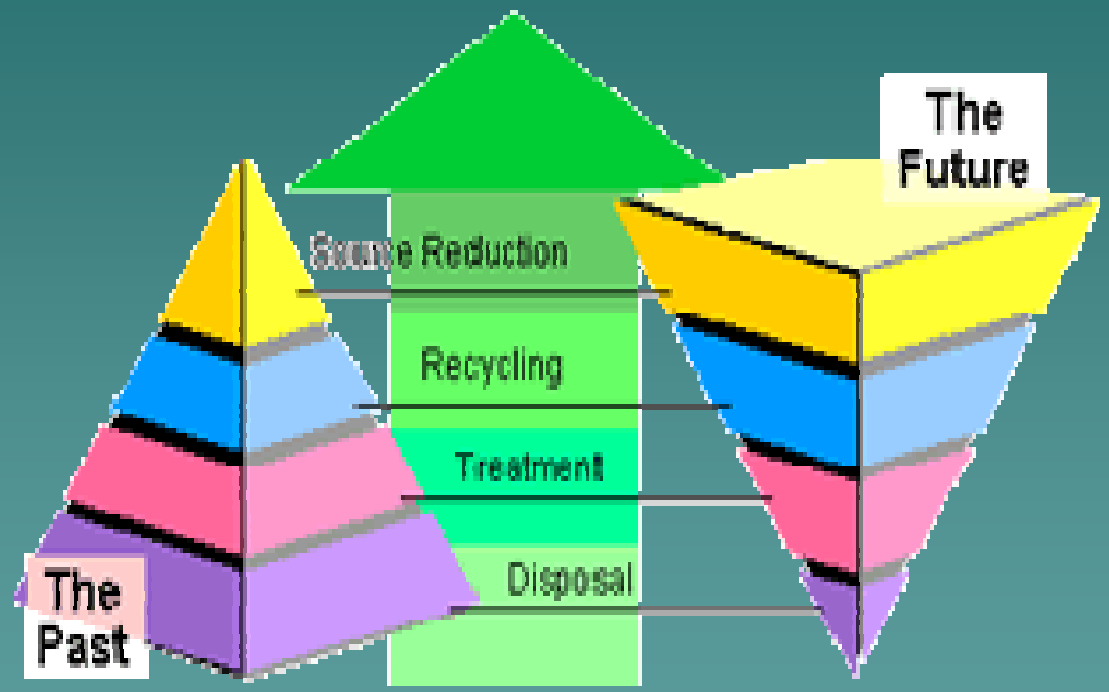
Cleaning Supplies

Micro-Fiber Mops

Products Mixing station

Pollution Prevention Strategies

- Research
- Select
- Implement
- Monitor
- Educate
- Share your successes



Key First Steps

- **Understand Decision-makers**
  - Operational Costs – Emphasize Cost/Benefit
  - Worker Safety – Emphasize reduced chemical exposure, worker's comp issues
  - Sales/Marketing – Emphasize Green Ethic
- **Know Your Costs:**
  - Fresh Water ($/1,000 gal)
  - Wastewater Treatment ($/1,000 gal)
  - Solid Waste (e.g. $/ton)
  - Energy (e.g. $/kwh)

Starting a Waste Reduction Program

- Secure Support
- Conduct a Waste Characterization Study
- Develop a Waste Reduction Plan
- Implement the Program

Pollution Prevention Assessments

- **Benefits:**
  - Cost savings
  - Operating efficiency
  - Safer environment for employees & customers
  - Marketing advantages
  - Community sustainability

- **P2 opportunities:**
  - Hazardous Waste
  - Water Conservation
  - Solid Waste/Recycling/Composting
  - Green Purchasing
  - Energy Efficiency

Tips for Reducing Waste

- Become a WasteWise partner www.epa.gov/wastewise
- Become a certified Green Business Program www.greenbiz.org
- Develop a Environmental Management System www.epa.gov/ems/info/index.htm

Funding Sources Available

- **Resource Conservation Grants**
  - Supports projects that promote recycling, solid waste and energy conservation

  - Applications due Spring 2009

- **Source Reduction Grants**
  - Supports projects that will provide an overall benefit to the environment by preventing pollutants at the source.

  - Applications due Spring 2009

- **Pollution Prevention Grants**
  - To build and support state pollution prevention approaches. Partnership with state agencies and other P2 assistance providers encouraged.
  - **Applications due Spring 2009**

EPA Resources and Funding

- US EPA Waste Reduction
  www.epa.gov/osw/recycle.htm
- Waste Reduction Tips for Hotels and Casinos in Indian Country
  www.epa.gov/tribalmsw/pdftxt/casinotips.pdf
- US EPA Composting
  www.epa.gov/epaoswer/non-hw/muncpl/compost.htm
- Energy Star
  www.energystar.gov
- Water Sense
  www.epa.gov/watersense
- Federal Grants
  www.grants.gov
- Funding Sources for Communities
  http://yosemite.epa.gov/R9/FSFC.nsf/fundingsources
- Resource Conservation Grants
  www.epa.gov/region09/waste/solid/funding.htm
- Pollution Prevention Grants
  www.epa.gov/region09/waste/p2/grants.html
- USDA Solid Waste Management Grants
  http://www.usda.gov/rus/water/SWMG.htm

Other Resources

- California Green Lodging Program
  www.ciwmb.ca.gov/epp/greenlodging
- CIWMB Recycling
  www.ciwmb.ca.gov/recycle/
- Western Regional Pollution Prevention Network
  www.wrppn.org
- Pollution Prevention (P2) Resource Exchange
  www.p2rx.org
- Greenscapes
  http://www.epa.gov/greenscapes/
- Electronic Product Environmental Assessment Tool (EPEAT)
  www.epeat.net
- Green Seal
  www.greenseal.org
- GREENGUARD Environmental Institute
  www.greenguard.org
- Tribal Pollution Prevention
  http://www.tribalp2.org/index.php
- Waste Management in Indian Country
  http://www.epa.gov/epawaste/wycd/tribal/index.htm

Contacts

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Questions?

Thank You!

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