

US EPA ARCHIVE DOCUMENT



Greening Your Casino

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Wild Horse Pass Hotel & 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, cans of soda, and plastic cups
- ◆ Encourage guest to recycle make sure bins are at the entrances and exits and clearly marked.

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

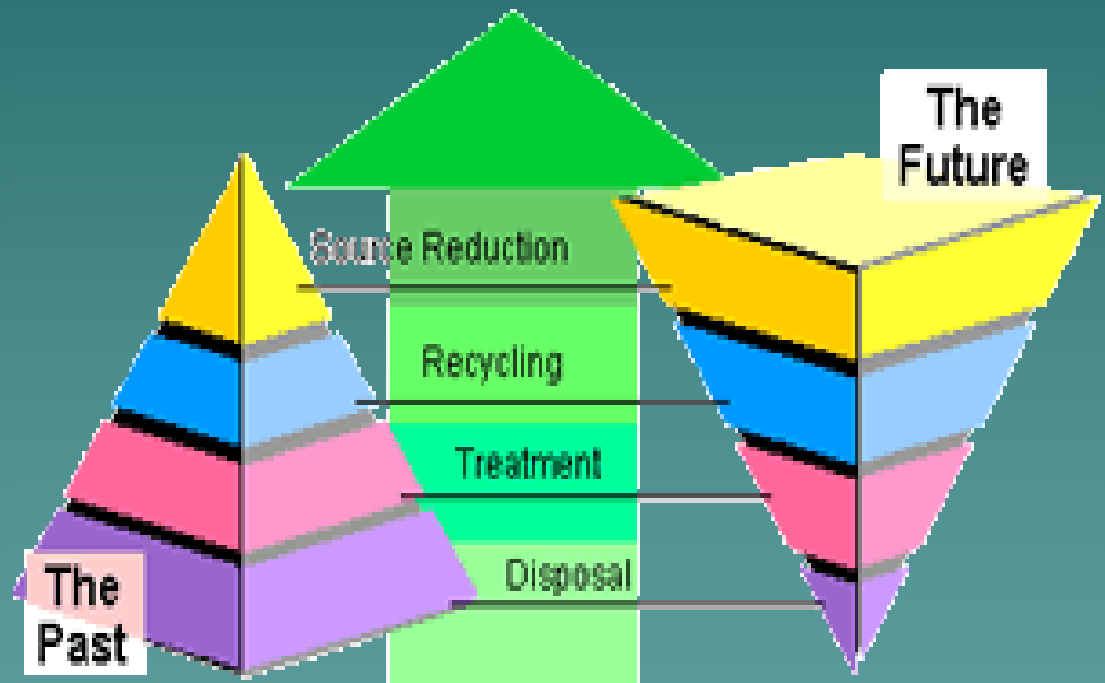


Products Mixing station



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)

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

Funding Sources Available

- ◆ **Resource Conservation Grants**
 - Supports projects that promote recycling, solid waste and energy conservation
- ◆ **Source Reduction Grants**
 - Supports projects that will provide an overall benefit to the environment by preventing pollutants at the source.
- ◆ **Pollution Prevention Grants**
 - To build and support state pollution prevention approaches. Partnership with state agencies and other P2 assistance providers encouraged.
 - **Applications due Spring 2010**



EPA Resources

- ◆ **US EPA Waste Reduction**

www.epa.gov/osw/recycle.htm

- ◆ **Waste Reduction Tips for Hotels and Casinos in Indian Country**

www.epa.gov/tribalmsw/pdf/txt/ca_sino_tips.pdf

- ◆ **US EPA Composting**

www.epa.gov/epaoswer/non-hw/muncpl/compost.htm

- ◆ **Energy Star**

www.energystar.gov

- ◆ **Water Sense**

www.epa.gov/watersense

Western Regional Pollution Prevention Network

www.wrppn.org

Pollution Prevention (P2) Resource Exchange

www.p2rx.org

Greenscapes

<http://www.epa.gov/greenskapes/>

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>

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Questions?



Thank You!



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