

FGC SHARED LEADERSHIP PROJECT: BUYING 100% POSTCONSUMER RECYCLED PAPER

- Selected at Executive Session – December 2011
- **Significant health and environmental benefits**
- **Working with GSA and DLA to make available in Hawaii**
- Paper use reduction can offset cost differences & can be implemented now
Greater demand > **reduced prices**
Collective impact



PAPER USE REDUCTION TIPS

- × **Collect FY11 Copy Paper Purchasing Data & Complete FGC Paper Survey:**
<http://svy.mk/FGCRecycledPaper>
- × **Employee Awareness** (Xerox study found that **45%** of the paper printed in offices ends up in the bin by the end of the day.)
- × Paperless Systems (Travel Manager, Leave, Procurement, etc.)
- × Duplex Printers & Copiers
- × Paper Use Reduction Software
 - × Default duplex settings
 - × Print multiple pages with reduced margins
 - × Delete unneeded pages before printing
 - × Tracks paper savings
- × Central Imaging/Copier/Fax Contract
 - × Pay by image
 - × Detailed tracking reports



EPA REGION 9: 100% RECYCLED PAPER EXPERIENCE

- ✘ +800 person office
- ✘ Established Purchasing Policy & Training Program
- ✘ **Purchasing ONLY 100% Postconsumer Recycled Copy Paper – Process Chlorine Free since 2002**
 - + Cost has dropped significantly
 - + (+\$60/box to under \$45/box)
 - + Purchased multiple brands



EXTERNAL TOOL - ENVIRONMENTAL BENEFITS: PAPER CALCULATOR 3.1

[HTTP://CALCULATOR.ENVIRONMENTALPAPER.ORG](http://calculator.environmentalpaper.org)



Environmental Paper Network

Lifecycle Environmental Impact

The following is a break down of the environmental impact of your choices for different grades of paper.

Clear Values, Start Again	Baseline Paper	Target I Paper
Paper	Uncoated Freesheet (e.g. copy paper)	Uncoated Freesheet (e.g. copy paper)
Quantity per year	258.625 Tons	258.625 Tons
% Postconsumer	30	100
Wood Use	676 tons 676 tons more	0 tons
Net Energy	7,535 million BTU's 1,911 million BTU's more	5,624 million BTU's
Purchased Energy	5,665 million BTU's 164 million BTU's more	5,501 million BTU's
SO₂	6,734 pounds 390 pounds more	6,344 pounds
Greenhouse Gases	1,353,801 pounds CO ₂ equiv. 475,633 pounds CO ₂ equiv. more	878,168 pounds CO ₂ equiv.

**ENVIRONMENTAL INDICATOR
RECYCLED PAPER**

30% RECYCLED PAPER

100%

NO_x	2,374 pounds 201 pounds more	2,173 pounds
Particulates	1,360 pounds 552 pounds more	808 pounds
Hazardous Air Pollutants (HAP)	571 pounds 350 pounds more	221 pounds
Volatile Organic Compounds (VOCs)	656 pounds 285 pounds more	371 pounds
Total Reduced Sulfur (TRS)	102 pounds 37 pounds more	65 pounds
Wastewater	4,827,163 gallons 2,144,782 gallons more	2,682,381 gallons
Biochemical Oxygen Demand (BOD)	2,313 pounds 585 pounds more	1,728 pounds
Total Suspended Solids (TSS)	3,927 pounds 1,299 pounds more	2,628 pounds
Chemical Oxygen Demand (COD)	5,803 pounds	7,394 pounds 1,591 pounds more
Solid Waste	438,760 pounds 135,956 pounds more	302,804 pounds

THE FOOD RECOVERY CHALLENGE

SO HOW MUCH FOOD WASTE ARE WE GENERATING?

- **In total, about 34 million tons of food waste** was generated in 2010 (14% of the country's total waste stream)
- **Less than 3%** of food waste was recovered for reuse and recycling in 2010

MSW Sent to Landfill, 2010



FOOD WASTE IMPACTS

- Our Economy
 - Wasted food costs America **more than \$100 billion** annually (Bloom, 2007)
- Society
 - **44% of all food produced or imported for US consumption was lost in 2008, yet 50 million Americans**, or 14% of American households, didn't have access to sufficient, safe and healthy food in 2009 (USDA)
- Our Environment
 - Food production and waste negatively impacts **water quality and soil productivity**



SO HOW CAN YOU REDUCE YOUR FOOD WASTE AND SAVE MONEY?



SOURCE REDUCTION

- Reducing waste at the “source” or waste prevention
 - Reduce “over-buying”
 - Increase proper storage
 - Decrease prep waste
 - Decrease plate waste
- Largest potential for **money savings!!!**



DONATION SUCCESS STORY

- Aloha Harvest
 - + Rescued and distributed- free of charge - **over 8 million pounds of food** to social service agencies feeding the hungry in Hawaii since their inception in 1999
 - + Much of the food currently wasted is **edible, wholesome and safe for donation**
 - + According to Hunger in America 2010,
 - + 180,000 people in Hawaii
 - + (over 14% of the population)
 - + receive emergency food assistance.
 - + 123,000 of them are here on Oahu
 - + and they simply don't have enough
 - + to eat.



COMPOSTING – FEED THE SOIL

- On-site or off-site composting
- Creates soil amendment that can be sold or used on-site



COMPOSTING SUCCESS STORY

- Boston Convention and Exhibition Center
 - + **Saved \$27/ton** in avoided disposal costs with their composting program
 - + **Diverted 103 tons** of organics from landfills in 2008



JOIN THE FOOD RECOVERY CHALLENGE

And... take a bite out of food waste!

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



Four Easy Steps!

1. **Assess It!** Conduct baseline food waste assessment
2. **Commit to It!** Set a three year goal with a commitment to increase food reduction/diversion by 5% in the first year.
3. **Do It!** Undertake food waste reduction and recovery activities to meet your goals!
4. **Track It!** Report annually using [WasteWise Re-TRAC](#)

Thank you!!!

QUESTIONS?

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