

**Meeting Date:** April 26, 2011

**Item Title:** Presentation: In Honor of Earth Week; Rot, Reduce, Reuse, and Recycle; Alameda Unified School District Report on Our Targets and Improvements

**Item Type:** Information

**BACKGROUND:** In honor of Earth Week, the District remains committed to continue its excellent progress towards creating environmentally friendly school sites through comprehensive recycling and composting, energy efficiency, water conservation, bay-friendly landscaping, and integrated pest management.

On April 13, 2010, the Alameda Unified School District passed Resolution 10-0046 Alameda Green Schools. This resolution requires an annual presentation to celebrate Earth Week. This presentation shows the continued progress being made toward Green Initiatives at various school sites throughout the District.


**FISCAL IMPLICATIONS:** None

**RECOMMENDATION:** Receive report as submitted.

**AUSD Guiding Principle:** #4-Parental involvement and community engagement are integral to the success of all students. #5-Accountability, transparency and trust are necessary at all levels of the organization.

**Submitted by:** Robert Shemwell, Chief Business Officer

**Approved for Submission to Board of Education**

  
Kirsten Vital, Superintendent

---

# **In Honor of Earth Week 2011**

*Maintenance, Operations & Facilities presents:*

## ***A Report On Environmental Stewardship***

**April 26, 2011**

# Environmental Stewardship

---

- An update on how AUSD has taken actions to implement its green policy, adopted April 13, 2010 by the Board of Education, looking at three different programs.
- Results on mini grant awarded to MOF from California Department of Public Health and Green Schools Initiative: Green cleaning products for safer schools
- Presentation of Alameda Municipal Power's "Save Energy" newsletter, developed in cooperation with teaching staff for district staff to initiate manual energy saving
- An update on "Go Green" recycling initiatives in the District
- Finally, a framework for a sustainability plan for AUSD

## Environmental Stewardship – Worker and Occupant Safety

---

- May 31 2010, Custodial staff at three test sites: Haight, Lincoln and Washington completed initial product testing of select peroxide based all purpose cleaners, non-quaternary ammonium compound disinfectants and environmentally safe graffiti wipes. Their objective was to recommend a best product in these categories with the ultimate focus on using least toxic cleaning compound and reducing the number of chemicals used for cleaning. The following list contains their recommendation.
- Staff chose a multi-use product, removing a neutral cleaner as well as an all-purpose cleaner, in favor of a product called *Marauder*, this peroxide based all-purpose cleaner, if diluted correctly, can do many cleaning jobs, which saves the District \$8000 per year.
- Staff requested re-test of disinfectant products and graffiti wipes before final decision
- Staff requested transitioning away from cotton mops and rags and investing in microfiber products, starting with dust mops. Overall program investment includes the purchase of special washing machines (est. \$780 each) for laundering microfiber; the savings stem from the ability to launder microfiber many times with minimal water usage.

## Environmental Stewardship – Worker and Occupant Safety

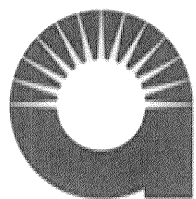
I want to thank the following custodial employees for all their efforts in the green product testing program to help identify cleaning products that are safer to use.

- Vince Sablan, Head Custodian, Lincoln Middle School
- Norman Antonio, Custodian, Lincoln Middle School
- Patrick Hamlin, Custodian, Lincoln Middle School
  
- Andrew Lockwood, Head Custodian, Haight Elementary School
- Allan Aquino, former Custodian, Haight Elementary School, (now Head Custodian Paden Elementary School)
  
- Raul Poral, Head Custodian, Washington Elementary School
- Bayardo Moreira, Custodian, Washington Elementary School
  
- Alameda Green Cleaning Grant Award Presentation by Ms. Debbie Shrem, California Department of Public Health,
- Cleaning for Asthma Safe Schools (CLASS)

# Environmental Stewardship - Communicating the Benefits

---

Presentation by Ana Espinoza and Jenni Nelson of AMP, in cooperation with teaching staff from AUSD represented by Ms. Michele Kuttner.



ALAMEDA  
MUNICIPAL POWER

*A Department of the City of Alameda*

# *The Flash*

---

SPECIAL AUSD EDITION EARTH WEEK APRIL 2011

---

Welcome to this special edition newsletter dedicated to Alameda's Unified School District. We hope that you will find the information in this newsletter inspiring and relevant to your every day lives. Educators and district staff have a lot of power to effect change and take actions that will benefit the health of our community both financially and environmentally.

Concerning energy conservation, SPURR data shows that AUSD spent \$86,000 less on utilities in 2010 than it did in 2009, a reduction of 5%. More information to come on how the district took actions to save energy will be presented during National Energy Saving Month, October 2011, Board of Education meeting.

# Environmental Stewardship – Recycling Initiatives

---

The Alameda Unified School District (AUSD) received a three-year grant from the Altamont Education Advisory Board for the Alameda Green Schools Challenge program for recycling infrastructure, teaching tools, equipment, curriculum, and outreach support.

The goals of the program are to:

- Implement comprehensive 4Rs curriculum (reduce, reuse, recycle, rot) and infrastructure at all AUSD school sites and district facilities.
- Reduce greenhouse gas emissions district-wide through waste prevention, recycling and composting; energy efficiency; and community education.
- We have business partners to help us accomplish these goals.

# Recycling Initiatives – Partnerships – City of Alameda, Public Works

## The Lunch Monitors Assembly

- ★ Rebecca Parnes, WM
- ★ Carrie Doherty, ACI
- ★ Kerry Parker, Public Works

And introducing:

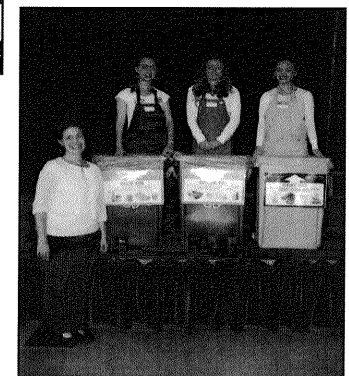
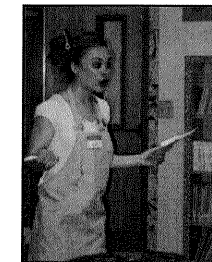
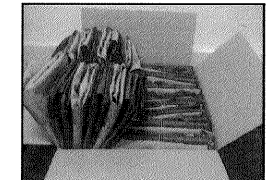
- ★ Jessica Robinson, Miss Alameda

## Miss Alameda Says Compost (MASC)

Apron purchasing grant:

Altamont Education Advisory Board

Concept: Residential Cart Colors  
Left to right  
Character development  
Sorting  
Fun!





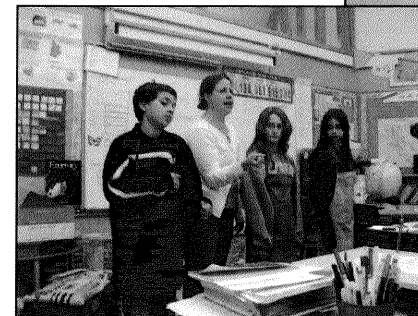
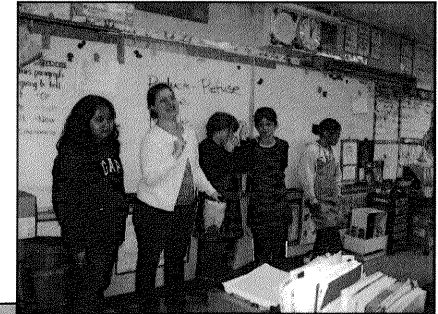
# Recycling Initiatives – Partnerships – City of Alameda, Public Works

## The Lunch Monitors - Classroom Workshop

**Four R's:**            Reduce  
                             Reuse  
                             Recycle  
                             Rot (compost)

**Concept:**            Analysis with children on “why?”  
                             Cart Colors  
                             Aprons on Kids  
                             Sorting  
                             “You are the experts!”

**Big thanks to CASA, and  
Alameda Schools Go Green Coordinators!!!**



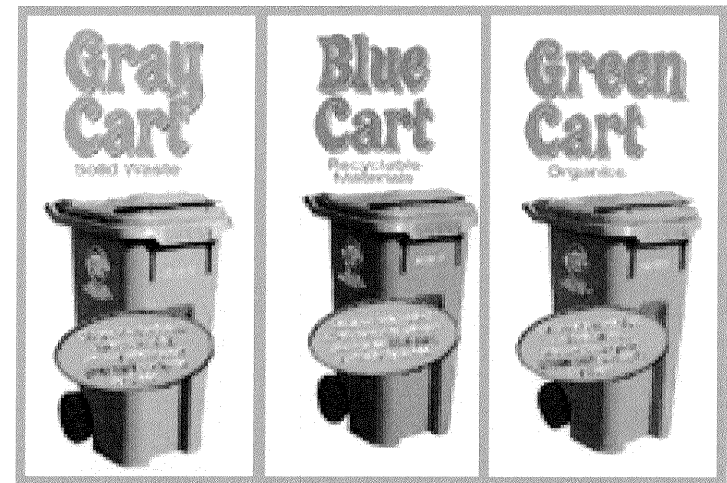
## District wide - Are we recycling yet?

---

Year 3: Implementation of compostable paper recycling, standardization of process

Eight schools, including pilot sites, implemented full recycling program on 4/18/11: clean paper recycling, food waste and dirty paper product recycling, and trash removal. With help from custodial and teaching staff, students and parent volunteers, these sites are now equipped with “waste stations,” which include a blue container (clean recycling), green container (compostable waste) and a gray container (landfill), as well as additional trash dollies for using green and gray bins to remove trash daily. The eight sites are listed below.

- Bay Farm Elementary School
- Edison Elementary School
- Otis Elementary School
- Lum Elementary School
- Franklin Elementary School
- Paden Elementary School
- Ruby Bridges Elementary School
- Wood Middle School



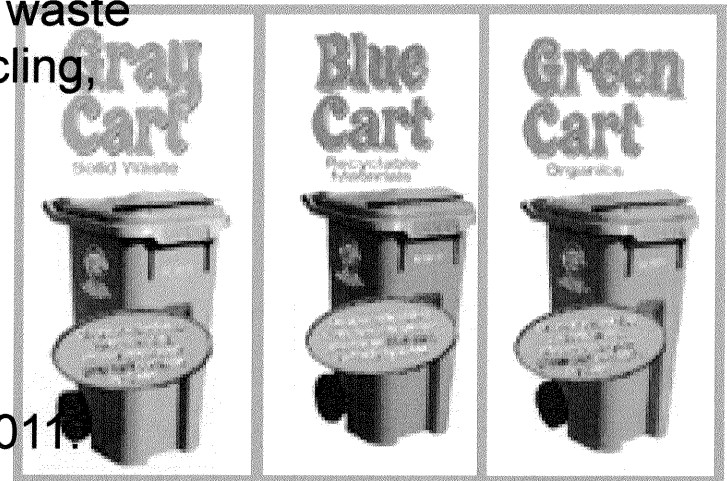
## District wide - Are we recycling yet?

---

Year 3: Implementation of compostable paper recycling, standardization of process

Other schools have also initiated recycling and more are planning to add compostable paper recycling this year. See list below showing our progress.

- Alameda High School plans to add compostable recycling in May 2011.
- Encinal High School successfully started comprehensive recycling February 2011
- Lincoln Middle School scheduled to add food waste recycling May 2 2011
- Haight Elementary School, currently doing food waste recycling wants to add compostable paper recycling, start date pending.
- Washington wants to add compostable paper recycling, start date pending.
- Woodstock Child Care at Longfellow site began recycling including food waste January 2011.



## District wide - Are we recycling yet?

---

### **Alameda Unified School Dist Overview of recycling and food waste effects**

#### **6-1-08 to 05-31-09:**

**434.00 yards per week, 1,880.52 yards per month = 20,685.72 total yards of which 8,746.10 yards were recycled = 42% waste recycled**

#### **6-1-09 to 05-31-10:**

**432.23 Yards per week, 1872.85 yards per month = 20,601.35 total yards of which 9,484.86 yards were recycled = 46% waste recycled**

#### **6-1-10 to 03-31-11:**

**387.00 yards per week 1676.87 yards per month = 15,091.83 total yards of which 8,679.89 yards were recycled = 57% waste recycled**

The data shows we slightly reduced our overall waste and increased our overall recycling from 08/09 to 09/10. Currently, we are recycling 57% of our waste at all sites, plus we have decreased our overall waste (yards per week) by about 10% in 10/11 and we are on our way to achieving our 70% recycling goal.

DOMINICAN UNIVERSITY  
*of* CALIFORNIA

---

**greenMBA**  
SCHOOL OF BUSINESS & LEADERSHIP

# **AUSD Sustainability**

Jonathan Mooney, Jonel Seon, Carlisle Haworth

# Objectives

---

- Positive impact on future generations
- Save money
- Improve environmental stewardship
- Further integrate with curriculum
- Improve resiliency
- Build partnership with Green MBA

DOMINICAN UNIVERSITY  
of CALIFORNIA

**greenMBA**  
SCHOOL OF BUSINESS & LEADERSHIP

# Sustainability Components

---

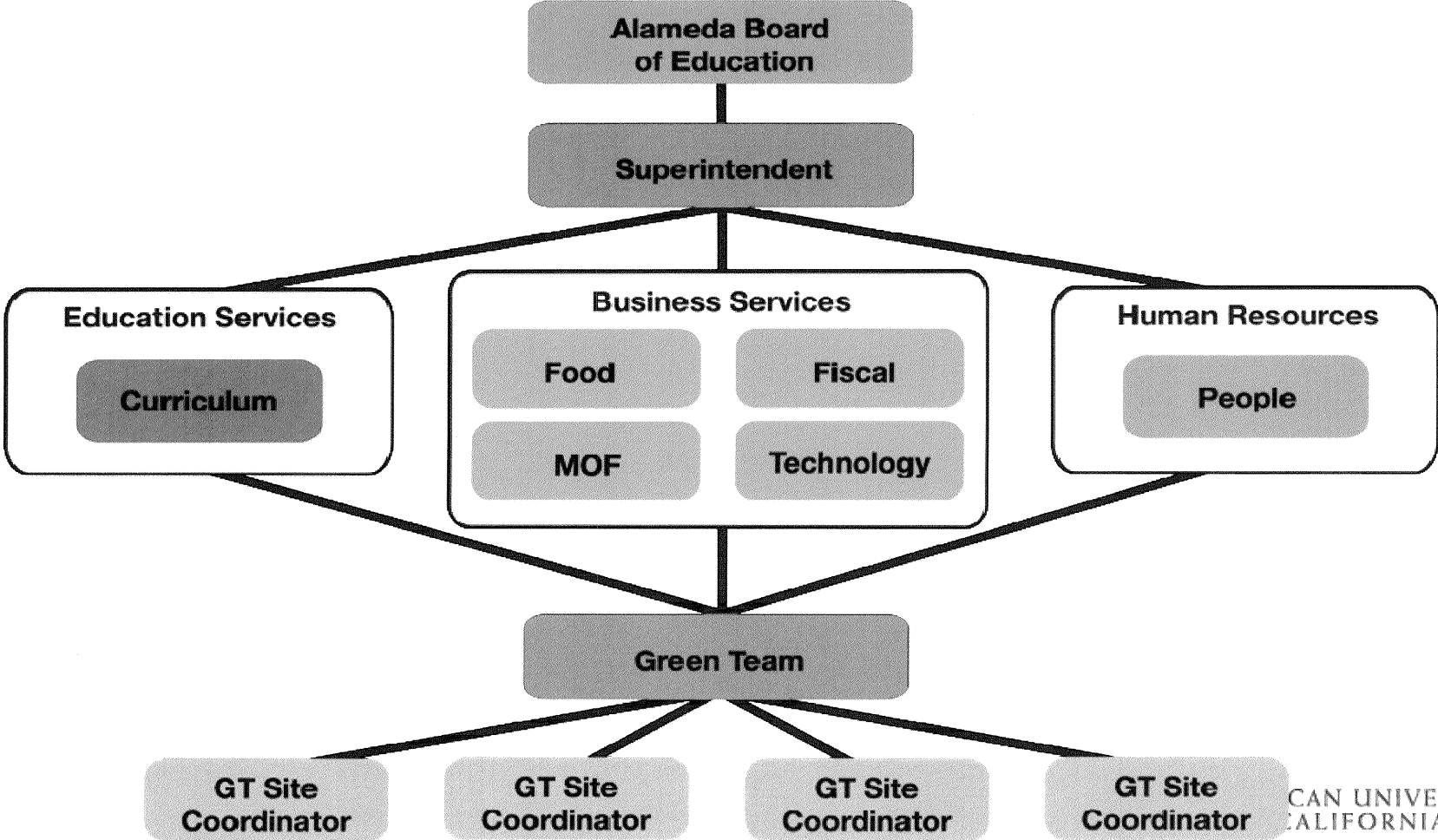
- Curriculum
- Energy Management
- Water Management
- Waste Management (Recycle, Compost, Landfill)
- GHG emissions
- Procurement of Supplies/Services
- Food
- Transportation & Fleet Management
- Toxic Chemicals Reduction

DOMINICAN UNIVERSITY  
of CALIFORNIA

**greenMBA**  
SCHOOL OF BUSINESS & LEADERSHIP

# Stakeholders

---





# 2-Year Sustainability Timeline

---

