

Effective Recycling Programs

Kerm Towler

Assistant Manager of Plant
Operations

kerm.towler@apsva.us

703-228-6649

Why Are We Talking About
Recycling?

It's About the Money!

Cost of Trash vs. Recycling

Trash

- Tipping fee \$23.00 per 8 yd³ dumpster (\$276/month)
- Pick-up fee \$17.05 (per 8 yd³) per pull (\$204/month)
- Monthly trash cost \$276 (tipping) + \$204 (pick-up) = \$480

\$5,760/year

Recycling

- Tipping Fee – \$0
- Pick-up Fee \$16.43 (per 8 cubic yard)
- Monthly Recycling cost \$197.18 (3x per week)

\$2,365.92/year

Environmental Reasons

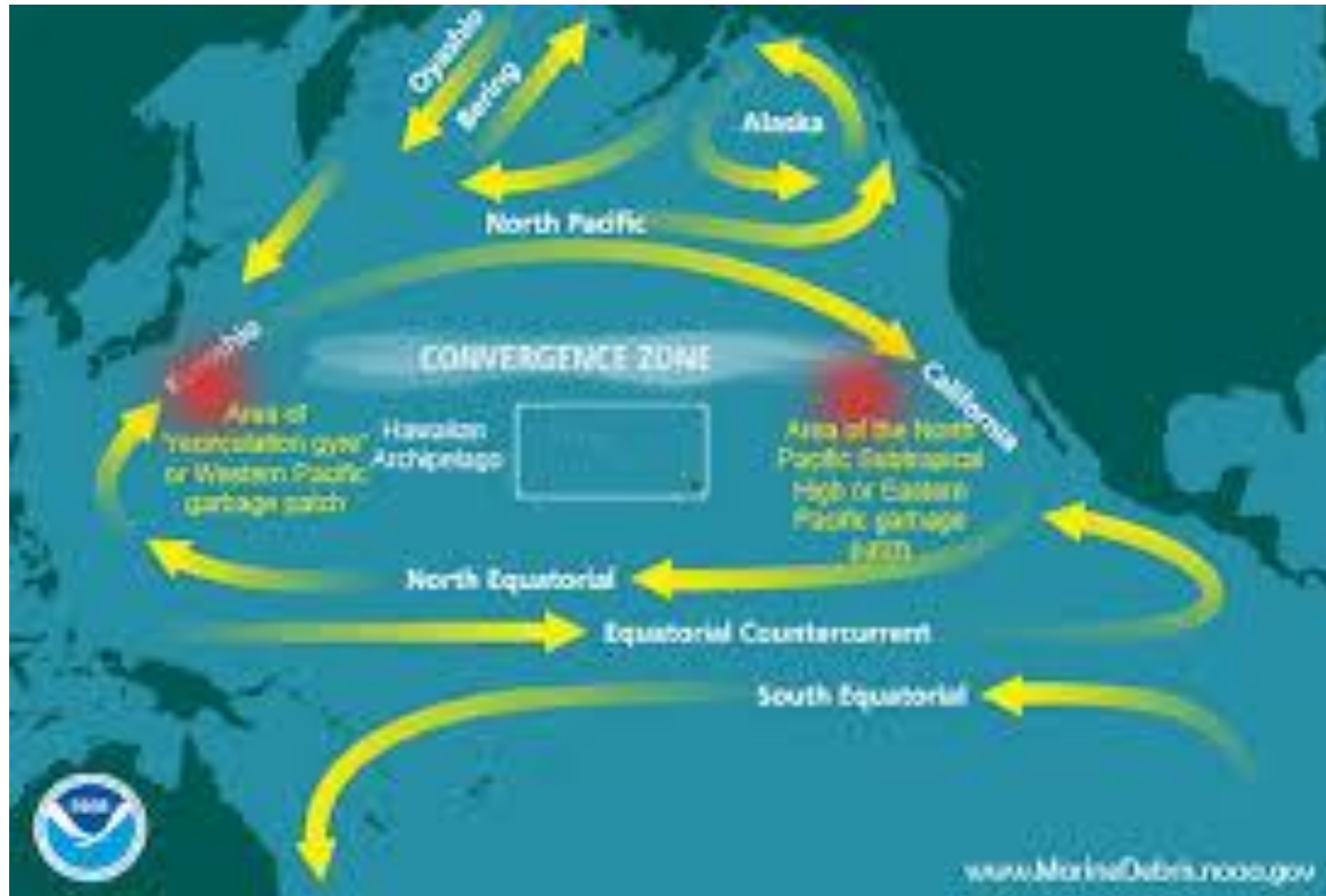
It is a world-wide problem

Stomach of a Laysan albatross on Midway Island filled with plastic



Source: Smithsonian Ocean Portal

Great Garbage Patches



4,970 miles of The Great Barrier Reef is Dying Due to Global Warming



Successful Program Elements

Pieces of the Puzzle

Recycling Bin Placement

- 1 desk topper per office/desk/other space
- Large units in corridors.
- Cafeterias
- Libraries
- Copy rooms/work rooms
- Art rooms
- Interior entrances
- Concession stands

Co-Location (Your New Word)

- Trash cans and recycling cans next to each other.
- Recycling can is always placed on the right.
- Out door cans being placed at entry locations.
- Indoor units for corridors being purchased.



Education/Public Relations

- Standardized signage placed around building.
- Verbally remind/invite people to recycle.
- Post recycling stats and goals in prominent news sources (weekly announcements, PTA newsletter, daily announcements)
- Interesting fun fact as a part of presentations.
- Remember that recycling may not be part of someone's "culture" or habits.
- Remind staff that School Board policy requires everyone to participate.

Get Help

- Assign a coordinator to oversee the effort.
- Coordinator assembles a team of staff (teachers, food service, librarian, assistants) to assess and monitor in their areas of the building.



Assess Your Opportunities. Ask yourself:

- Where do people gather or meet for activities?
- Would they reasonably have materials to put in trash/recycling?
- Count the number of spaces that need bins and send to Kerm.
- Is there adequate signage? If I came into this building for the first time, would I know where the recycling bins are located?
- Are there containers placed during large events (games, concerts, pep rallies, concession stands, staff luncheons)?

Communicate Your Story

- “No one will tell your story like you will.” Gladis Bourdouane
- Put announcements in newsletters, PA announcements, pep rallies, game announcements, staff meetings, Twitter.
- Appeal to people’s better selves.
- Talk about the successes in the program (stats, etc.)

Communicate Your Story

- Talk about the successes in the program (stats, etc.)
- Thank people for recycling.
- Show/distribute clips from Arlington Green Scene
- Use curriculum connections.
- Ecological message of the day. (Stratford Program)

Curriculum Connections

- Use recyclable materials in art projects. (Art Department)
- Recycling, human impact on the environment, decomposition are part of the science curriculum.
- Students write a song or poem about recycling and teach it. ABA form is easiest to remember. (Music/English)
- Graph the amount of materials collected. (Math) Map out where recycling and trash goes.
- Read books in which recycling is a subject. (Library Services)

Changes in the Program

- Singlestream (all recyclables together) is your first new vocabulary word.
- All recycling dumpsters plaquered with a bi-lingual text and picture sticker.
- Co-location (your second new vocabulary word) is required per county code.
- Trash and recycling are now being weighed and tabulated.
- Data regarding diversion rates by location will be posted on the APS website.
- Goal for each location: 2.25 pounds per person per month per building (employees and students as of 9/30).
- Standardized posters for each building.

Additional Resources Resources-
Waste Management Questions, What Happens to
Our Waste/Recycling? Policy Questions, Eco Songs,
etc.

- <https://www.youtube.com/watch?v=5YaTpL8nl7c>
 - <https://www.youtube.com/watch?v=HjNv iTsXn8>
 - <https://www.youtube.com/watch?v=Y6LzB6rMDtA>
 - <https://www.youtube.com/watch?v=eIQUOIyE7q0>
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- APS Library-enter “recycling” in the search engine box. 42 pages of options.



APS Videos

Reusing Materials for Art

<https://www.apsva.us/post/green-scene-showcases-recycled-student-art-project/>

Model Recycling Program

<https://www.apsva.us/post/green-scene-highlights-the-long-branch-recycling-rangers/>

Question

- True or False: The carpet backing and yard used to make the carpeting in your school is manufactured from old carpet.

Answer

True

Our carpet manufacturer picks up the carpeting removed from our schools and takes it back to the mill.

The carpet backing is shredded and then is combined with some virgin material to form new backing. The nylon yarn is removed from the backing, stripped of color, melted, dyed and spun to make new carpet fiber.

Question

How much energy is saved in recycling aluminum cans vs. making cans from scrap.

Answer

90%.

Bauxite, a rock, is found primarily in Africa, South America and Australia. Energy cost estimates include: mining/processing the bauxite, transportation to the United States, as well as the process of turning raw materials into cans.

E-Books in APS Libraries

Elementary:

Sydney & Simon: Go Green! by Paul Reynolds

One Plastic Bag: Isatou Ceesay and the Recycling Women of Gambia by Miranda Paul

Recycling Plastic: Understand Place Value by Jenna Malue

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E-Books in APS Libraries

Secondary:

Recycle This Book: 100 Top Children's Book Authors Tell You How to Go Green by Dan Gutman

Cool Odds and Ends Projects: Creative Ways to Upcycle Your Trash Into Treasure by Pam Scheunemann