

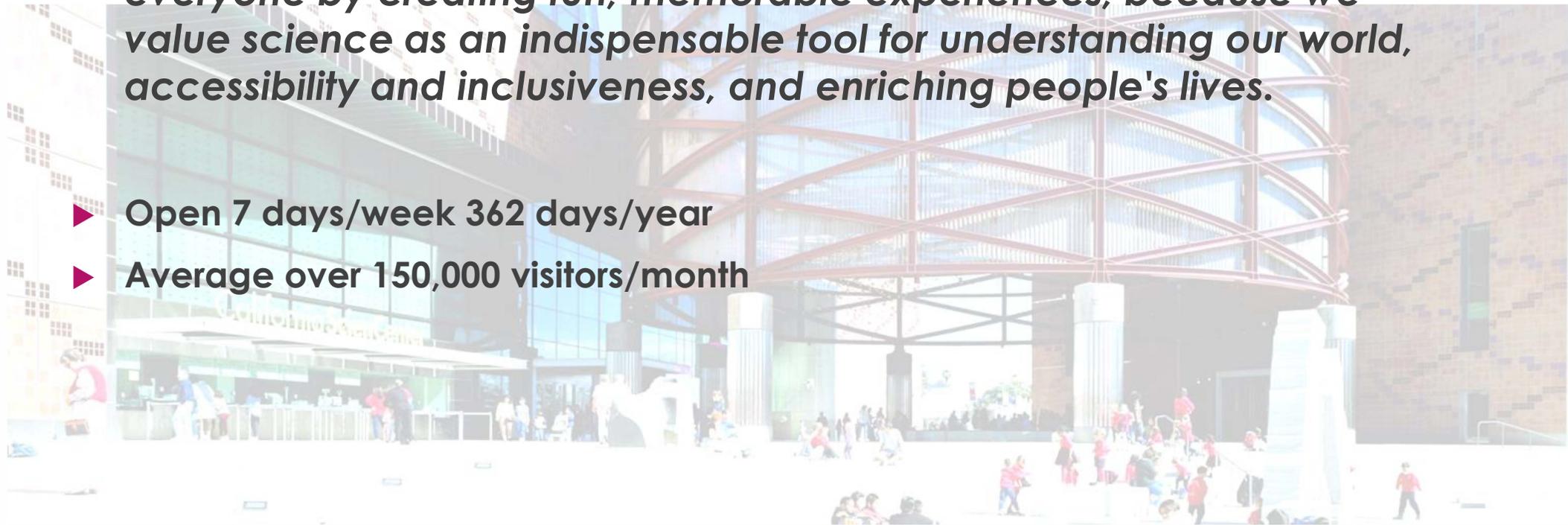
# Refuse & Recycling at the California Science Center



# About the California Science Center

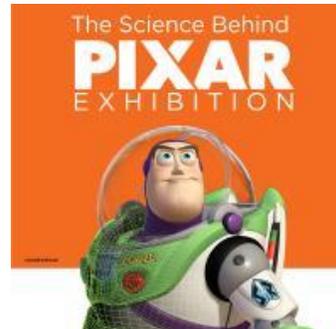
## Mission

- ▶ *We aspire to stimulate curiosity and inspire science learning in everyone by creating fun, memorable experiences, because we value science as an indispensable tool for understanding our world, accessibility and inclusiveness, and enriching people's lives.*
- ▶ **Open 7 days/week 362 days/year**
- ▶ **Average over 150,000 visitors/month**



# A Special Partnership

- ▶ **California Science Center (CSC) – State Agency**
  - ▶ Around 120 State Employees
- ▶ **California Science Center Foundation – non-Profit Organization**
  - ▶ Around 200 full & part-time employees





# Recycling at the Science Center

- ▶ Refuse & Recycling Services on ONE service contract
- ▶ Current Contractor: Consolidated Disposal Service, LLC dba Republic Services



- ▶ 2015 – **60% Diversion Rate!**

# Currently... our recycling comes from:

- ▶ **CSC, California African-American Museum (CAAM) & Office of Exposition Park Management (OEPM)**
- ▶ **1 - Co-Mingle Recycle Compactor**
- ▶ **1 - 40 cubic yard “open-top”**
- ▶ **2 – 4 cubic yard recycle bin**
- ▶ **1 – 4 cubic yard FOOD & ORGANICS ONLY bin**



# Republic Services

- ▶ Great Service
- ▶ Contracted w/ them for the last 4 years
- ▶ Provide us w/ reports, materials, posters and training for sorting and recycling

## Recyclable Materials

**Everything here...  
Todo aquí...**

 <b>Cardboard</b> Cartón	 <b>Newspaper</b> Periódico	 <b>Mixed Paper</b> Papel Mixto	 <b>Shrink Wrap</b> Envoltura de retracción
 <b>Aluminum Cans</b> Latas de aluminio	 <b>Plastic Bottles</b> Botellas de plástico	 <b>Detergent Bottles</b> Botellas de detergentes	 <b>File Folders</b> Carpetas de archivo

**...can now be recycled!  
...Ahora puede ser reciclado!**





**REPUBLIC SERVICES**

**NO FOOD OR SOILED MATERIALS**  
No alimentos ni materiales sucios

For questions, please contact our customer service department at 1-800-299-4898  
Favor de comunicarse al departamento de servicio al cliente con cualquier pregunta a 1-800-299-4898

## Recycling Instructions




**Place these items in your recycling cart  
Coloque estos artículos en su recipiente de reciclaje**

<p style="text-align: center;"><b>Recycling YES Reciclaje SI</b></p> <div style="display: grid; grid-template-columns: repeat(3, 1fr); gap: 5px;"> <div> Newspaper Periódico</div> <div> Files &amp; file folders Archivos y carpetas de archivo</div> <div> Round dairy tubs Tubs de lácteos</div> <div> Paper or frozen food boxes Papel o cajas de alimentos congelados</div> <div> Mail, magazines, mixed paper or catalogs Revistas, correo no deseado y papel mixto</div> <div> Bagged plastic bags, bubble &amp; stretch wrap Bolsas de plástico, envolturas de expansión y estiramiento estirable</div> <div> Soy milk boxes Cajas de leche de soja</div> <div> Plastic bottles (all colors) Botellas de plástico</div> <div> Juice boxes Cajas de jugo</div> <div> PB bottles Botellas de mantequilla de maní</div> <div> Shredded paper (in a clear bag) Trozos de papel (en una bolsa transparente)</div> <div> Paper bags Bolsas de papel</div> <div> Phone books Libros de teléfonos</div> <div> Tin or aluminum cans Latas de aluminio de alimentos y bebidas</div> <div> Ferrous metals Metales compuestos de Hierro Tamaño máximo 10" x 10" x 12"</div> <div> Glass bottles &amp; jars Botellas de vidrio y jarras de vidrio</div> <div> Aluminum foil &amp; trays Chapas y papel de aluminio</div> <div> Cardboard Cartón</div> </div>	<p style="text-align: center;"><b>Do not put these items in your recycling cart No coloque estos artículos en su recipiente de reciclaje</b></p> <p style="text-align: center;"><b>Recycling NO Reciclaje No</b></p> <div style="display: grid; grid-template-columns: repeat(3, 1fr); gap: 5px;"> <div> Loose plastic bags Bolsas de plástico sueltas</div> <div> Frozen food bags Bolsas de alimentos congelados</div> <div> Plastic food bags &amp; zip-locking bags Bolsas de comida de plástico</div> <div> Plastic cups Copa de plástico</div> <div> Prescription vials Frascos de medicamentos recetados</div> <div> Lids, caps &amp; tops Tapas, tapones y tops</div> <div> Foam take-out containers Contenedores de espuma desechables</div> <div> Plastic food boxes Cajas de comida de plástico</div> <div> Plastic food trays Chapas de plástico</div> <div> CD's &amp; CD covers CD's y carátulas</div> <div> Paper plates, cups &amp; reusable take go to go waste (not) Platos, tazas y envases de papel. Zapatos y prendas hechas de plástico</div> <div> Cutting, knives &amp; knives Equipo de polímero para cortar</div> <div> Styrofoam packing peanuts Espuma de poliestireno para empaquetar</div> <div> Tin or aluminum cans Latas de aluminio</div> <div> Ferrous metals Metales compuestos de Hierro</div> <div> Glass bottles &amp; jars Botellas de vidrio</div> <div> Aluminum foil &amp; trays Chapas y papel de aluminio</div> <div> Cardboard Cartón</div> <div> Light bulbs Bombillas</div> <div> Ceramics Cerámica</div> <div> Glassware Cristalería</div> <div> Automat cans Latas de aerosol</div> </div>
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**Recyclables should be empty, clean and unbagged (except for plastic bags)  
Materiales reciclables deben estar vacíos, limpios y desenvueltos (excepto las bolsas de plástico)**

**NO FOOD OR SOILED MATERIALS**  
No alimentos ni materiales sucios

CONSOLIDATED DISPOSAL SERVICE  
A Subsidiary of REPUBLIC SERVICES, INC.

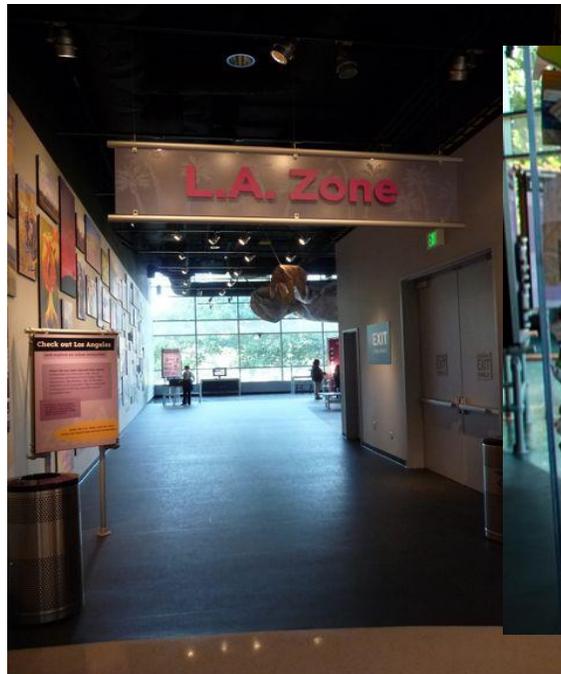
### Recycling Program

<p><b>Acceptable Materials</b></p> <ul style="list-style-type: none"> <li>• Aluminum &amp; tin cans &amp; foil</li> <li>• Cardboard (Broken down &amp; flattened)</li> <li>• Cereal Boxes (Without Lining)</li> <li>• Computer, white &amp; colored paper</li> <li>• Drink boxes &amp; egg cartons</li> <li>• Flyers &amp; letterhead</li> <li>• Glass Bottles &amp; jars (No Lids)</li> <li>• Juice cartons</li> <li>• Junk Mail &amp; brochures</li> <li>• Laundry Bottles</li> <li>• Magazines</li> <li>• Manila File Folders</li> <li>• Milk cartons &amp; jugs</li> <li>• Newspapers</li> <li>• Plastic bottles, containers &amp; bags</li> <li>• Phone Books</li> <li>• Wrapping paper</li> </ul>	<p><b>Not Acceptable Materials</b></p> <ul style="list-style-type: none"> <li>• Waxed &amp; carbon paper</li> <li>• Food &amp; liquid waste</li> <li>• Trash &amp; yard waste</li> <li>• Bathroom &amp; kitchen waste</li> <li>• Used Paper plates</li> <li>• Styrofoam plates &amp; cups</li> <li>• Paper towels</li> <li>• Tissue paper</li> </ul>
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# Public Sorting at the Science Center

- ▶ **Education!**
  - ▶ **L.A. Zone Gallery – “What’s Left Behind” Exhibit**
  - ▶ **Kelp Forest – “Keeping Oceans Clean” Exhibit**



# Public Sorting at the Science Center

## ► Food Service & Dining Areas

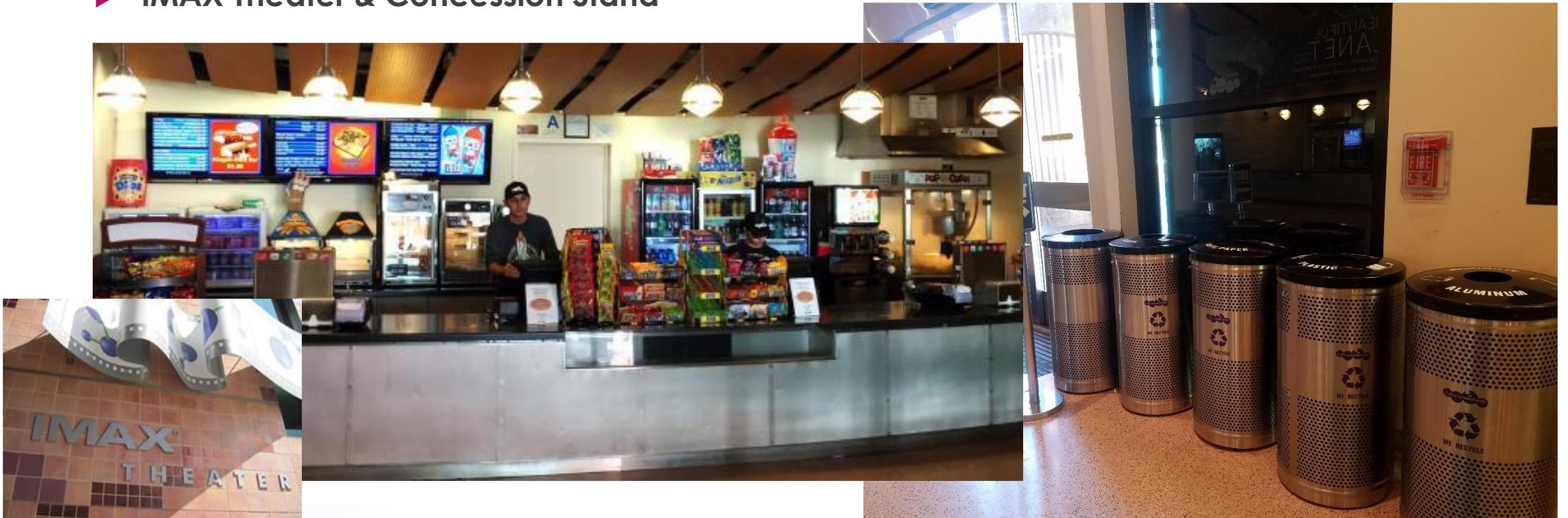


**TRIMANA**



# Public Sorting at the Science Center

## ▶ IMAX Theater & Concession Stand



# Employee Sorting at the Science Center

## ▶ Employees

### ▶ Administrative Offices

- ▶ Office Paper, batteries, E-Waste, Hazardous materials



### ▶ Break Room

- ▶ Beverage containers, compost



### ▶ Shipping Materials

- ▶ All Departments: Events, Education, Exhibits, Plant Ops, Custodial, etc.



### ▶ Horticulture





# GREEN TEAM

Open to All CSC employees - currently 5 active members from Operations, Education, and Living Collections Departments

## Accomplishments:

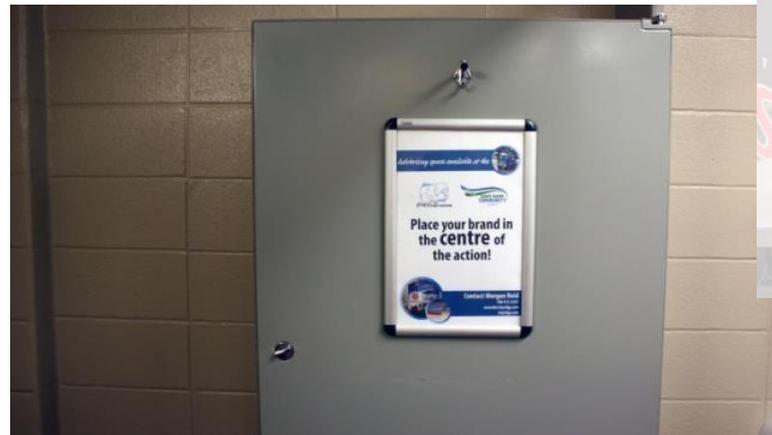
- ▶ Earth Day! Raffle prize!
- ▶ Quarterly Newsletter
- ▶ Discounted Rates for Foundation Employees using Alternative Transportation
- ▶ **In-house Composting & mulching**
- ▶ **Education Department – learning kiosks – World Oceans Day**



# GREEN TEAM

## Goals:

- ▶ Recycling bins in Employee restrooms
- ▶ Collect recyclable beverage containers
- ▶ Informational posters in Employee bathroom stalls



# Development of the Organics Recycling Program

- ▶ Food service composting – Horticulture & Living Collections, NHM
- ▶ **AB 1826** - On and after January 1, 2017, a business that generates four cubic yards or more of organic waste per week shall arrange for recycling services

# Development of the Organics Recycling Program

## ▶ Steps:

### 1. Contact our Republic Service rep!

- ▶ Waste Characterization Study – how much of what are we generating?
- ▶ What is a Food/Organics Recycle Program?

### 2. Attend S.A.G.E. Quarterly Meetings

- ▶ Networking! Q&A

### 3. CalRecycle

- ▶ Reached out to my Rep
- ▶ Sample Contracts on website

# Development of the Organics Recycling Program

- ▶ **Contract Approval Process**
  - ▶ Over \$50,000 – DGS Approval
  - ▶ Over \$25,000 – CSC Board of Directors Approval
- ▶ **Struggles**
  - ▶ **New: Natural Resources Agency**
  - ▶ **New: DGS Legal Reviewer**
  - ▶ **New: CSC Contract Analyst**
  - ▶ **New: Food/Organics Recycling Scope**
  - ▶ **Combine w/ current Refuse & Recycling Contract**
  - ▶ **NCB struggle**

# Development of the Organics Recycling Program

- ▶ **Accomplishments:**
  - ▶ **Clear Scope & Understanding of Organics Recycling Services (Approved Contract)**
    - ▶ Separate Scope & Section in Contract for Food/Organics Recycling
    - ▶ Define “food and organic waste”
    - ▶ Clear description of services
    - ▶ Acceptable end uses for the organic waste clearly defined
      - ▶ Animal feed, Composting/anaerobic digestion, and rendering
      - ▶ Unacceptable – disposal to landfill
      - ▶ On –site recycle processes OK
  - ▶ **Food & Organics Recycling in effect September 15, 2016**
    - ▶ 2 year contract w/ 1-year option

# Food & Organics Recycling at the Science Center

## ► Food Service & Event Catering Kitchen

**Food Waste Recycling GUIDE**

**YES** ¡Recicle por favor!

**NO** ¡No aceptable!

<b>Fruits</b> <i>Frutas</i>	<b>NO Garbage</b> <i>NO Basura</i>
<b>Vegetables</b> <i>Verduras</i>	<b>NO Raw Meat</b> <i>NO Carne Cruda</i>
<b>Pastas, Grains, Rice &amp; Beans</b> <i>Pastas, Granos, Arroz y Frijoles</i>	<b>NO Plastic Bags &amp; Film</b> <i>NO Bolsa de Plastico y Plastico para Empaque</i>
<b>Cooked Meat, Poultry, Seafood &amp; Shellfish</b> <i>Cocidas Carnes, Pollo, Mariscos, y Crustaceos</i>	<b>NO Cans</b> <i>NO Todas las Latas</i>
<b>Bones &amp; Eggs</b> <i>Huesos, Huevos y Cascaron de Huevos</i>	<b>NO Oil &amp; Grease</b> <i>NO Aceite y Grasas</i>
<b>Bread, Cheese &amp; Pastries</b> <i>Panes, Quesos y Pasteles</i>	<b>NO Glass</b> <i>NO Vidrio</i>
	<b>NO Packaging &amp; Cardboard</b> <i>NO Cajas de Comestibles y Cartones</i>
	<b>NO Paper or Biodegradable Plates, Cups &amp; Utensils</b> <i>NO Utensillos, Platos y Basos Biodegradables o de Papel</i>

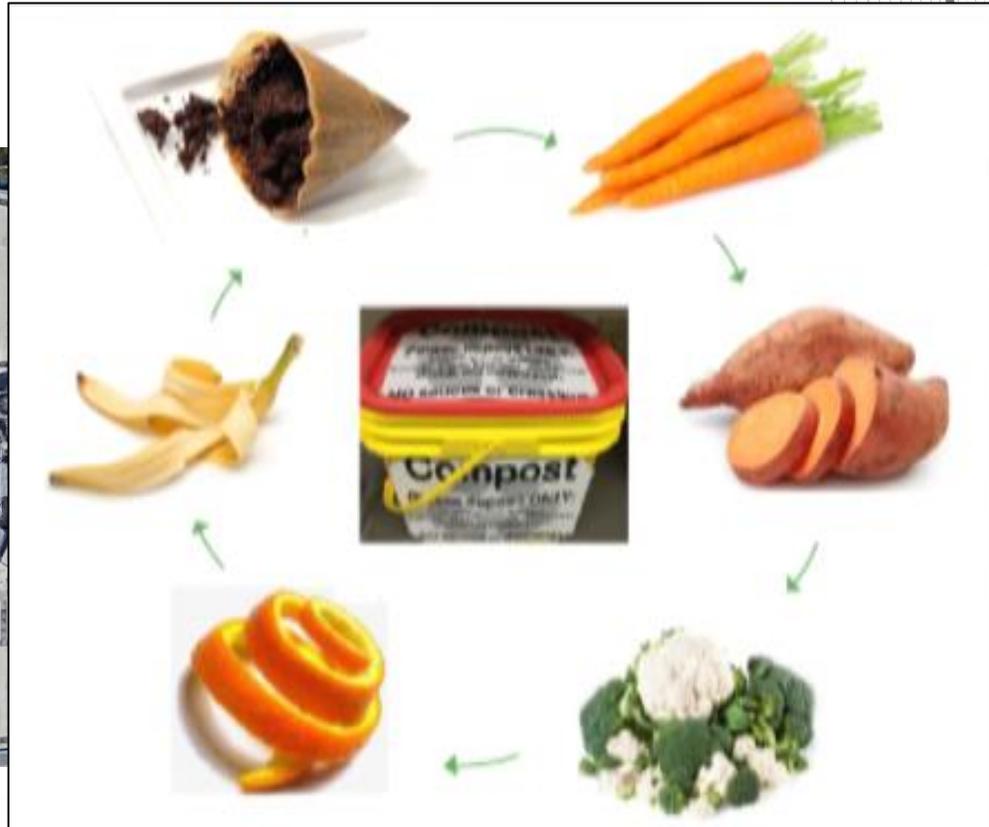
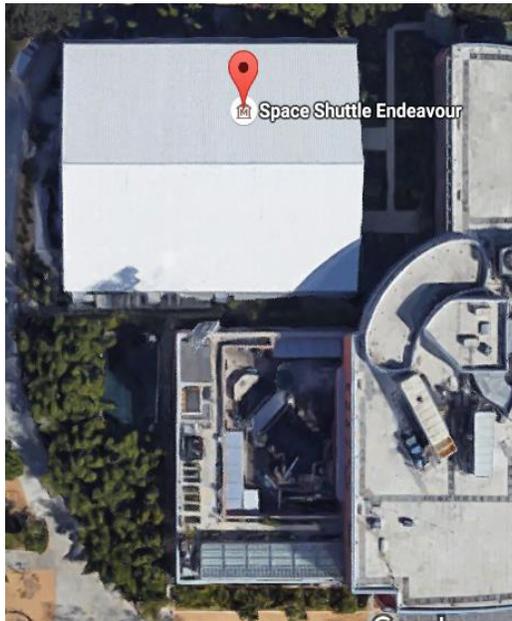
Questions?  
(800) 299-4898  
contactus@repsrv.com

**REPUBLIC SERVICES**



# Food & Organics Recycling at the Science Center

## ► Employees



# What's Next?

- ▶ **Monitor progress of Organics Recycling**
- ▶ **Educate!**
- ▶ **Innovate**
- ▶ **Green Team!**

THANK YOU!

QUESTIONS?

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