

VALENCIA COLLEGE

# Sustainability Operations Spring 2019

**Carrie-Lynn Black**  
**Director, Energy Conservation & Sustainability**

# Waste & Recycling

# Plastic Writing Instrument & Battery Recycling Program Update!

- **Collection bins on landfill & recycling bins**
  - One per floor, per building.
  - In general, located at main entrance on first floor and principal entrance on the other floors.
  - To Date Collected and shipped to vendor for recycling:
    - Batteries: 68 lbs.
    - Markers: 66 lbs.
    - (More boxes almost filled.)



# What's Accepted?

## Plastic Writing Instruments

- Pens
- Mechanical pencils
- Markers (dry erase, permanent, coloring)
- Caps- Pen and Marker
- ***NO wooden or colored pencils.***



## Batteries

- Alkaline (AA, AAA, C, D, 9V)  
**(~~Bag or tape each individual battery.~~)**



# Blue Bags in Recycling Bins- Rolled Out



# Student Spotlight: Marc



- Primary Campus: Osceola
- Has a campus job
- Age: ~20
  - Born in 1999, the year TLC released No Scrubs and before Y2K.
- Valencia Class of 2019
  - In 2009, Valencia signed ACUPCC. Committed to become carbon neutral by 2060. (Marc's ages: 10; 61)
  - U.N. IPCC 2018 Report- In 2030, likely to reach 1.5°C temperature increase. Significant differences between 1.5°C and 2°C. Call to action now. (Age: 31)
    - Landfills: 3<sup>rd</sup> largest source of methane emissions in US
- What can we do now?

## Paper Towels

- **Annually, Valencia:**
  - **Uses 14,894,400 paper towels or 65,673 lbs.**
  - **Spends \$100,847.50 to purchase towels**
  - **Plus, employee time spent on:**
    - **Receiving and storing**
    - **Servicing towel dispensers**
    - **Collecting and disposing of used towels**
    - **Maintenance issues from blocked pipes when towels are flushed**

## **Environmental Considerations- Switching to Hand Dryers**

- **Eliminates 65,673 lbs. (32.8 tons) waste from landfills annually**
  - Equal to the weight of 5 elephants
- **Saves 558 trees annually**
- **Saves over 850,000 gallons of water annually**
- **Saves over 100 Metric Tons in CO<sub>2</sub> Equivalent emissions**
  - Equal to the reduction in CO<sub>2</sub> emissions from over 109,323 lbs. of coal burned.



## Noise Levels and Drying Times

- **Noise Level:**
  - Tested hand dryers with lowest decibel ratings
  - Xlerator: Listed: 78-80 dB; Tested: 70-90 dB
  
- **Drying Time: 20-25 seconds**

## Sampling of Where Hand Dryers are Used

- **Colgate University**
- **University of New Hampshire**
- **University of Connecticut**
- **American University**
- **University of Massachusetts, Amherst**
- **University of Vermont**
- **Suny College**
- **University of Tennessee, Knoxville**
- **Reading University (UK)**
- **Sacramento Unified School District**
- **Starbucks**
- **Office Depot**
- **Grand Central Station**
- **Gillette Stadium**

## Next Steps

- **Roll out on one campus, initially**
- **Move college-wide**
- **Work with faculty, campus managers, marketing, plant operations to implement**

# Energy

- **College Temperature Set Points:**
  - Heating: 68°F
  - Cooling: 74°F
  - Dressing for the season

# Transportation

- **Transportation Priorities: Carpool Matching & Data**
  - Targeted Campus: Downtown

- **PawPass App**

- Launched!
- Register at the Security Office
- Download the App: LYNX PawPass
- Learn more: [valenciacollege.edu/lynx](http://valenciacollege.edu/lynx)



LYNX PawPass

Transportation Technology Partners

Everyone

⚠ You don't have any devices.

# Transportation

- **Electric Vehicle Charging Stations**
  - EV Driver meeting held
  - Creating a College-Wide Guideline
  - Exploring new installation locations
  - **EV Ride & Drive event:** Tentatively at WEC, Sat. April 13<sup>th</sup>, 10am-1pm. OUC, USGBC, & Valencia. Limited registrants.

# Transportation

- **WEC: Multi-Purpose Path**
  - Finishing lighting installation
    - March 2019
- **WEC: Bus Stop Relocation**
  - Official Launch: Sunday, February 17<sup>th</sup>
  - Increased pedestrian safety
  - Decreased traffic impact
  - Potential increased use of multi-purpose path



# Grounds

- Tree Campus USA (TCUSA)
  - Earned recognition again for 2018
  - Need students for committee
- Landscape Master Plan
  - Follow-Up: Marlene Temes, Tim Grogan, Natalie Yrisarry added to the OSC landscape master planning meetings



# Follow-Up Items

- Operations Sustainability Department
  - Potential for Part-Time Entry Level Position
    - Ideal for a student

## Questions?

### **Carrie-Lynn Black**

Director, Energy Conservation & Sustainability

Phone: 407-582-1706

[cblack32@valenciacollege.edu](mailto:cblack32@valenciacollege.edu)

West Campus, 14-104

Mail Code: 4-21