



Let's Recycle Better, Together.

MAKING THE HONOR ROLE
WITH K-12
WASTE REDUCTION

WEDNESDAY MAY 29TH
1:00 PM ET.



Today's Panelists



Sami Springs LeCain

*Environmental Outreach
Specialist, Senior*

Clark County Green Schools, WA



Erin Wildeboer

*Supervisor, Waste Diversion
Outreach Program*

Strathcona County Utilities, AB



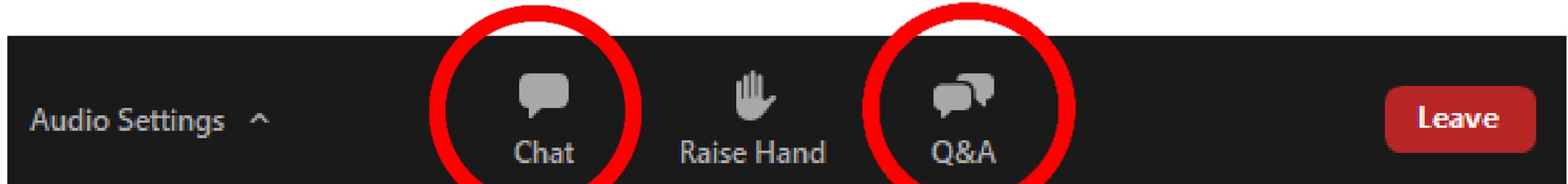
Robert Shaheen

*Director of Food &
Nutrition Services*

New Bedford Public
Schools, MA

Join the Discussion

From your toolbar:



Share your experience
& opinions

Look for links
to resources

Type direct questions
for panelists

Sami Springs LeCain

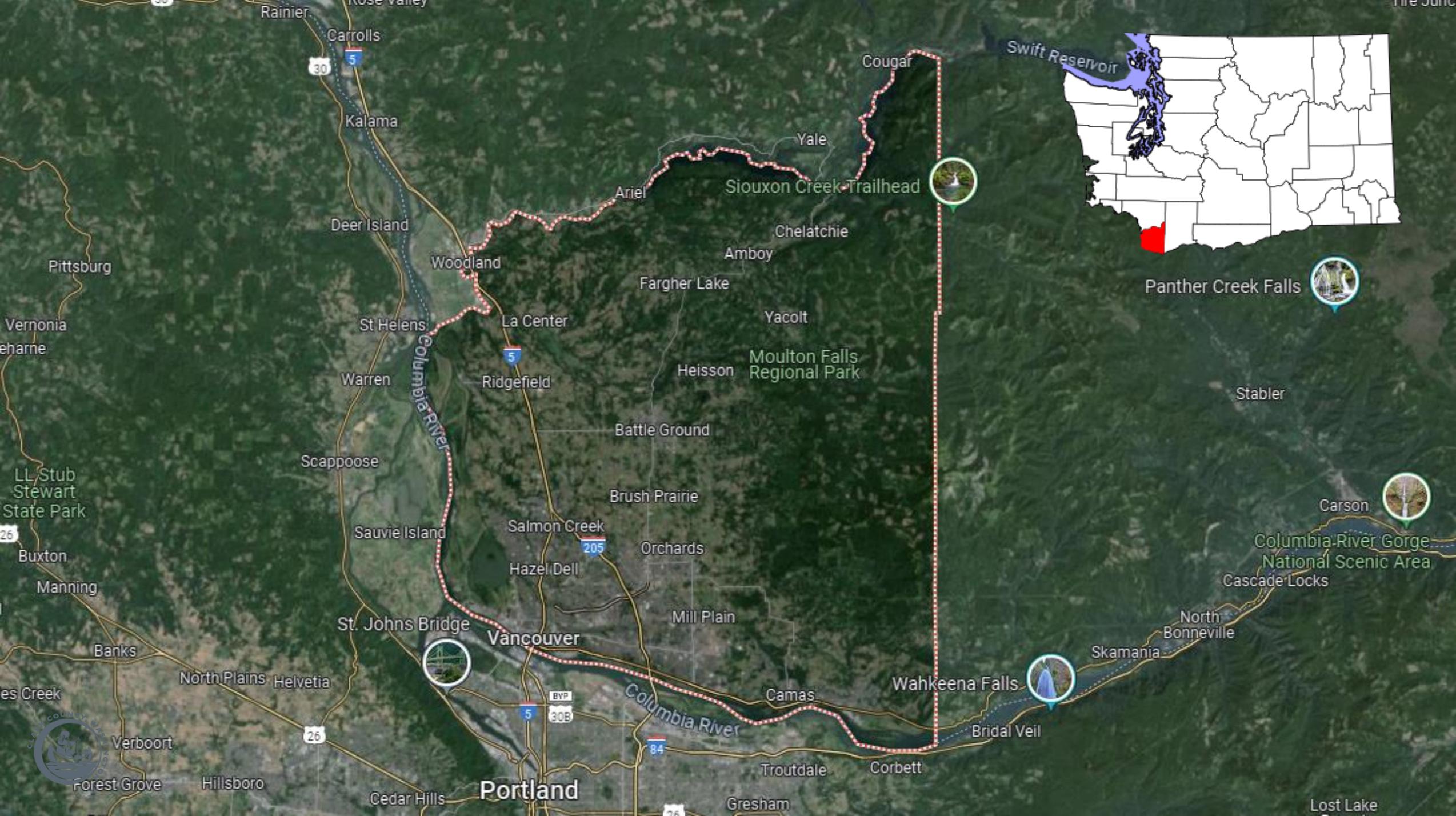
Environmental Outreach Specialist, Senior
Clark County Green Schools, WA



Clark County Green Schools

Sami Springs LeCain (she/her/hers)
Environmental Outreach Specialist, Sr.





Swift Reservoir

Cougar

Siouxon Creek Trailhead

Yale

Chelatchie

Amboy

Fargher Lake

Yacolt

Moulton Falls Regional Park

Heisson

Battle Ground

Brush Prairie

Orchards

Mill Plain

Vancouver

Salmon Creek

Hazel Dell

St. Johns Bridge

Sauvie Island

Scappoose

Warren

St Helens

Woodland

La Center

Ridgefield

Deer Island

Kalama

Carrolls

Rainier

Columbia River Gorge National Scenic Area
Cascade Locks

Panther Creek Falls

Carson

North Bonneville

Skamania

Wahkeena Falls

Bridal Veil

Troutdale

Corbett

Gresham

Portland

Cedar Hills

Hillsboro

Forest Grove

Lost Lake

Clark County Solid Waste System

- Garbage is sent to Finley Buttes Landfill in Oregon by barge
- Recycling is sorted and baled at West Vancouver Materials Recovery Facility
- Residential and commercial food waste is sent to Dirt Hugger in Dallesport, WA



Program Overview

- Program within Clark County Public Health
- Been in existence for over 10 years
- Serve both public and private K-12 schools – about 160 schools
- Provide recycling and compost containers at no cost to schools
- Contract with Waste Connections of Washington



Sort Table



Food Waste Prevention and Diversion



Sort Tables



Share Tables

Support in Schools



Classroom lessons



Waste audits



Transfer station field trips



Compost and recycling assistance



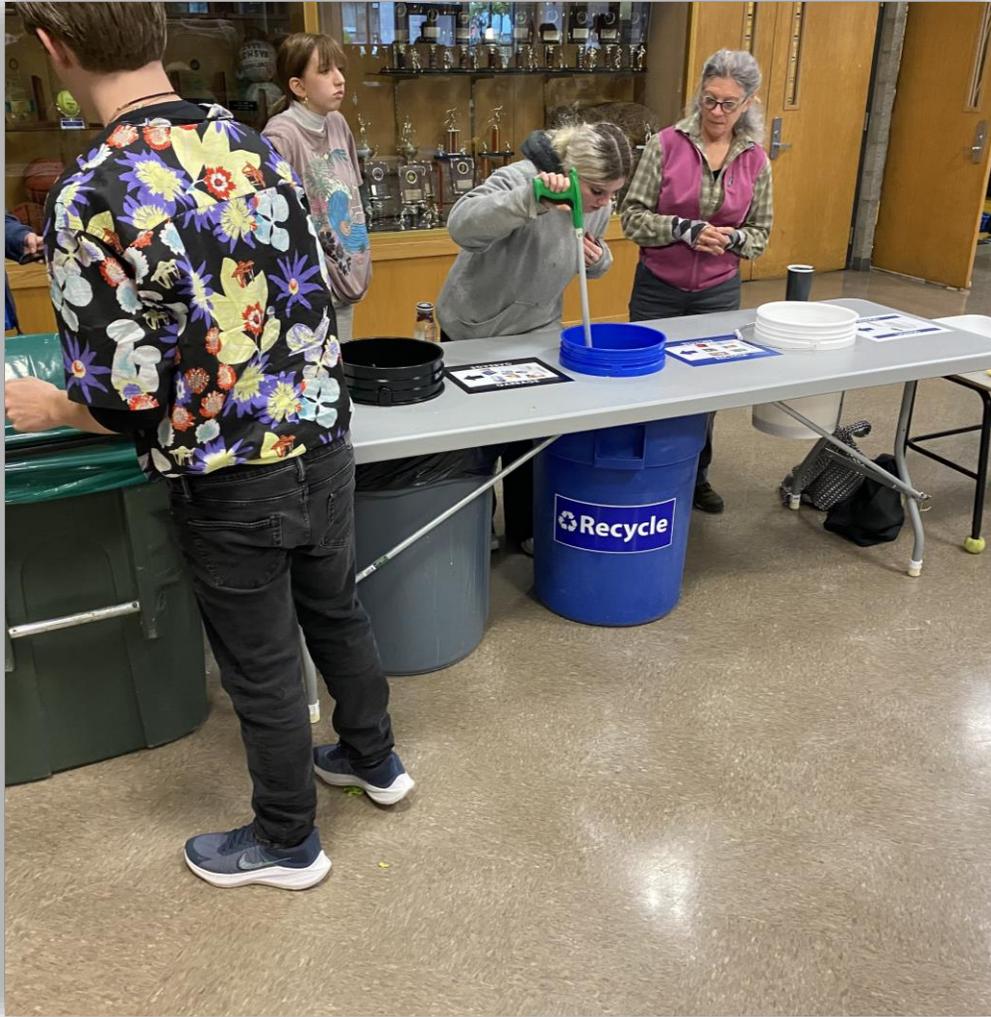
Worm bin composting



Green team support



La Center School District Composting Program



Student-driven initiative

Support from admin and staff

Preliminary and final waste audits

Sort table monitoring

Keys to Success



Initial Concerns

- Extra work for custodial staff
- Contamination
- Critters and pests
- Student push-back

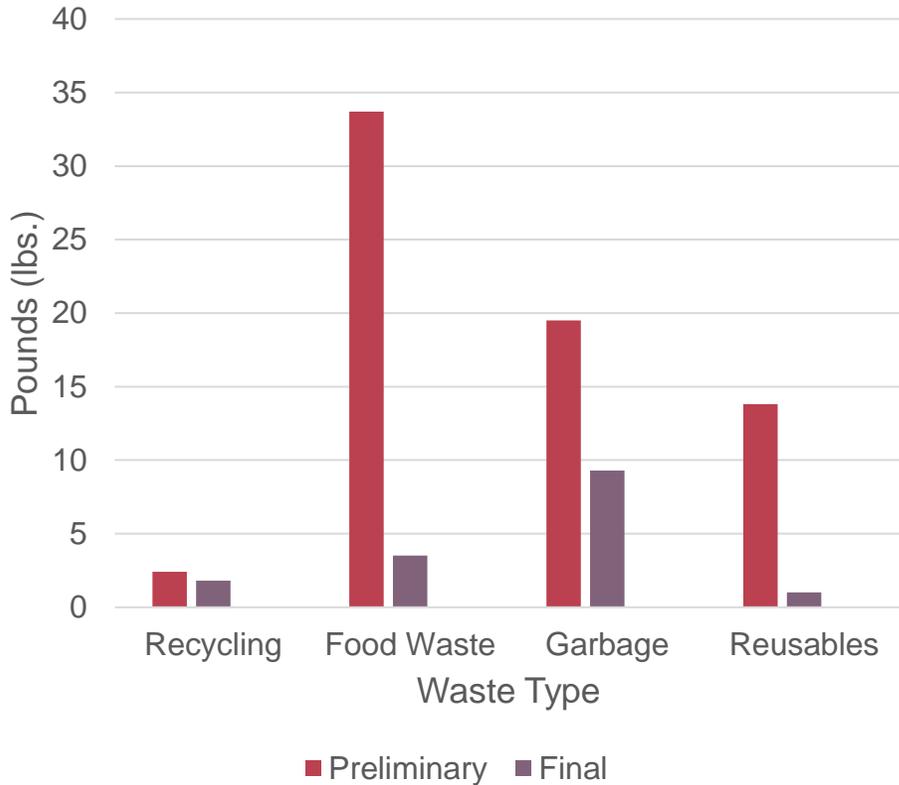


Unique Solutions

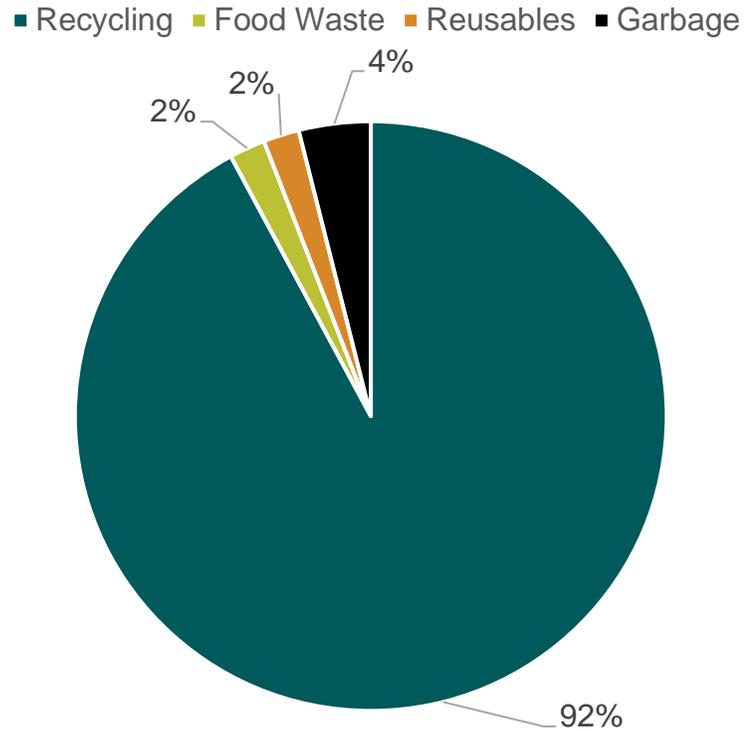
- Ease concerns
- Student mentoring
- Build and maintain relationships
- Coordinated staff and student schedules

La Center MS Waste Audit Results

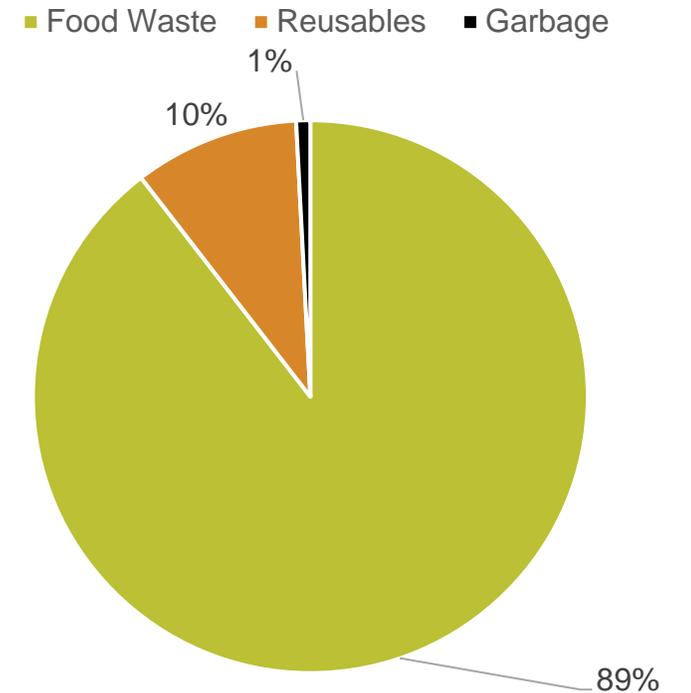
Garbage Waste Audit Results



Final Recycling Audit Results



Final Food Waste Audit Results

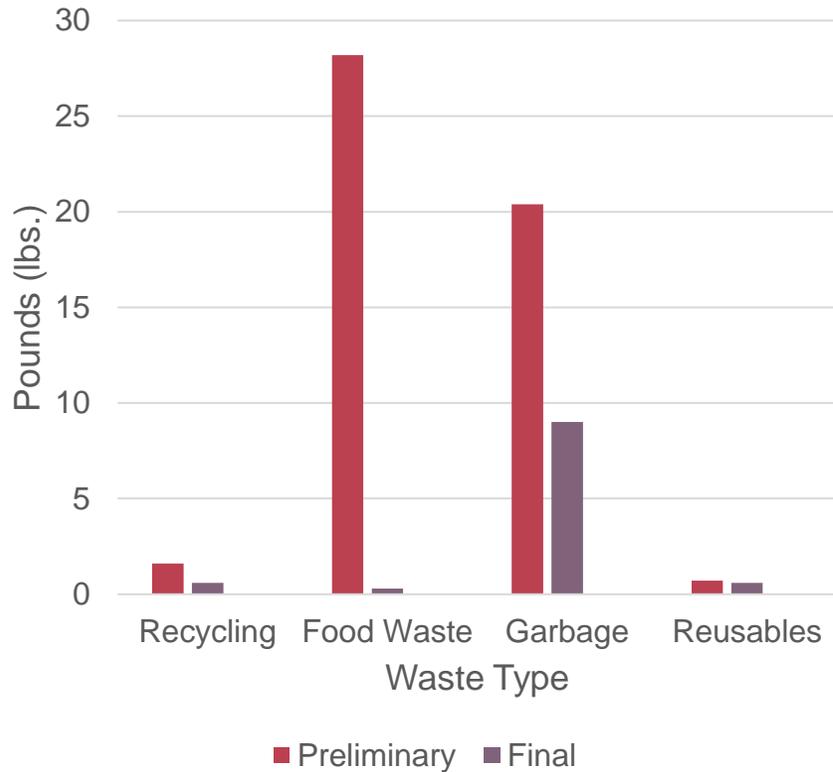


*Reusables include food rescue

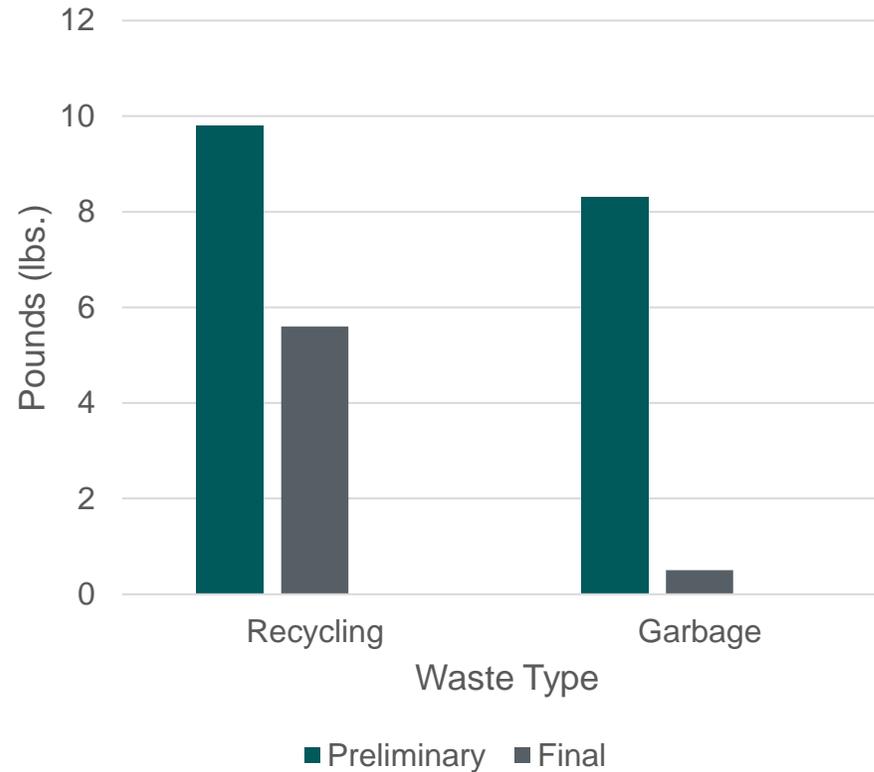


La Center HS Waste Audit Results

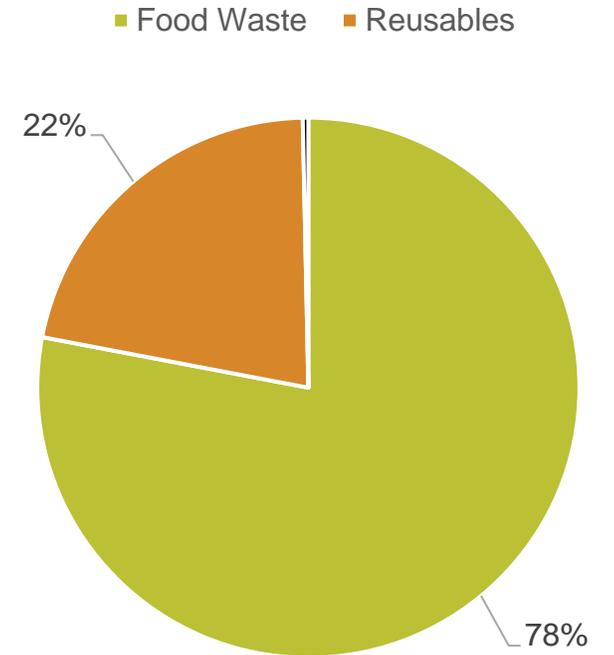
Garbage Audit Results



Recycling Audit Results



Final Food Waste Audit Results



*Reusables include food rescue



Lessons Learned

- Find your champions
- Communication is key!
- Gather feedback – both positive and negative
- Continue to foster relationships at every level
- Show off your accomplishments



Thank you!

Sami Springs LeCain

samantha.springslecain@clark.wa.gov

Clarkgreenschools.org

Live Poll

How are the schools you work addressing food waste?

(check all that apply)

- Compost food scraps
- Donate unserved food to local shelters
- Source reduce food waste *(back-of-house)*
- Share tables and/ or other student engagement efforts
- Other *(share details in chat)*

Erin Wildeboer

Supervisor, Waste Diversion

Outreach Program

Strathcona County Utilities, AB



**ERIN WILDEBOER
SUPERVISOR,
WASTE DIVERSION
OUTREACH
PROGRAMS**

**STRATHCONA
COUNTY, AB**



ABOUT US



- Population ~100,000
- Located 15 min outside major city, Edmonton
- Large rural component that we service
- Two major school divisions plus two schools not in either division (Francophone and gifted school)



How the municipality works with the school boards

How to get into your schools

What to do when you're in there

OUR PHILOSOPHY

We want to raise responsible citizens.

If you are diverting waste at home, then at school, then at the public library, and the recreation facilities that you frequent it just becomes second nature.

Students grow up to be homeowners and part of our community.

Our 10 year road map approved by Council includes educating youth and being present in the school system.



HOW DO WE ALL WORK TOGETHER?



- Strathcona County, EIPS and EICS all work together for a joint tender for waste collection services in our facilities.
- No dedicated position within either school division for environmental learning.
- Spent years building up a relationship with the school board to work together.
- EICS has full program, was able to cut waste in half
- EIPS still working on funding for organics

PROGRAM
OPTIONS

	ORGANICS	PAPER PRODUCTS	PLASTIC CONTAINERS, TIN & METAL
County RESIDENTIAL	✓	✓	✓
County IN PUBLIC	✓	✓	✗ *unless in staff areas
PUBLIC SCHOOLS	✗	✓	✗ *unless in staff areas
CATHOLIC SCHOOLS	✓	✓	✗ *unless in staff areas

BREAKDOWN OF SCHOOLS

	ELK ISLAND PUBLIC SCHOOLS	ELK ISLAND CATHOLIC SCHOOLS
TOTAL SCHOOLS	39	19
SCHOOLS IN OUR TAX DISTRICT	22	9
ELEMENTARY SCHOOLS	14	6
HOW MANY WE PRESENT TO	17	7

TRICKS TO GETTING INTO THE SCHOOLS

Know the curriculum.

LEARNING OUTCOME

Students investigate the management of waste and dangerous materials and describe environmental impacts.

KNOWLEDGE

Methods of waste management that can negatively impact the environment include using landfills and burning.

Methods of waste management that can reduce negative environmental impacts include

- reducing
- reusing
- recycling
- repurposing
- repairing
- composting

Increased production and consumption of materials leads to increased production of waste materials.

Waste materials may be solids, liquids, or gases.

UNDERSTANDING

Responsible methods of waste management can reduce negative environmental impacts.

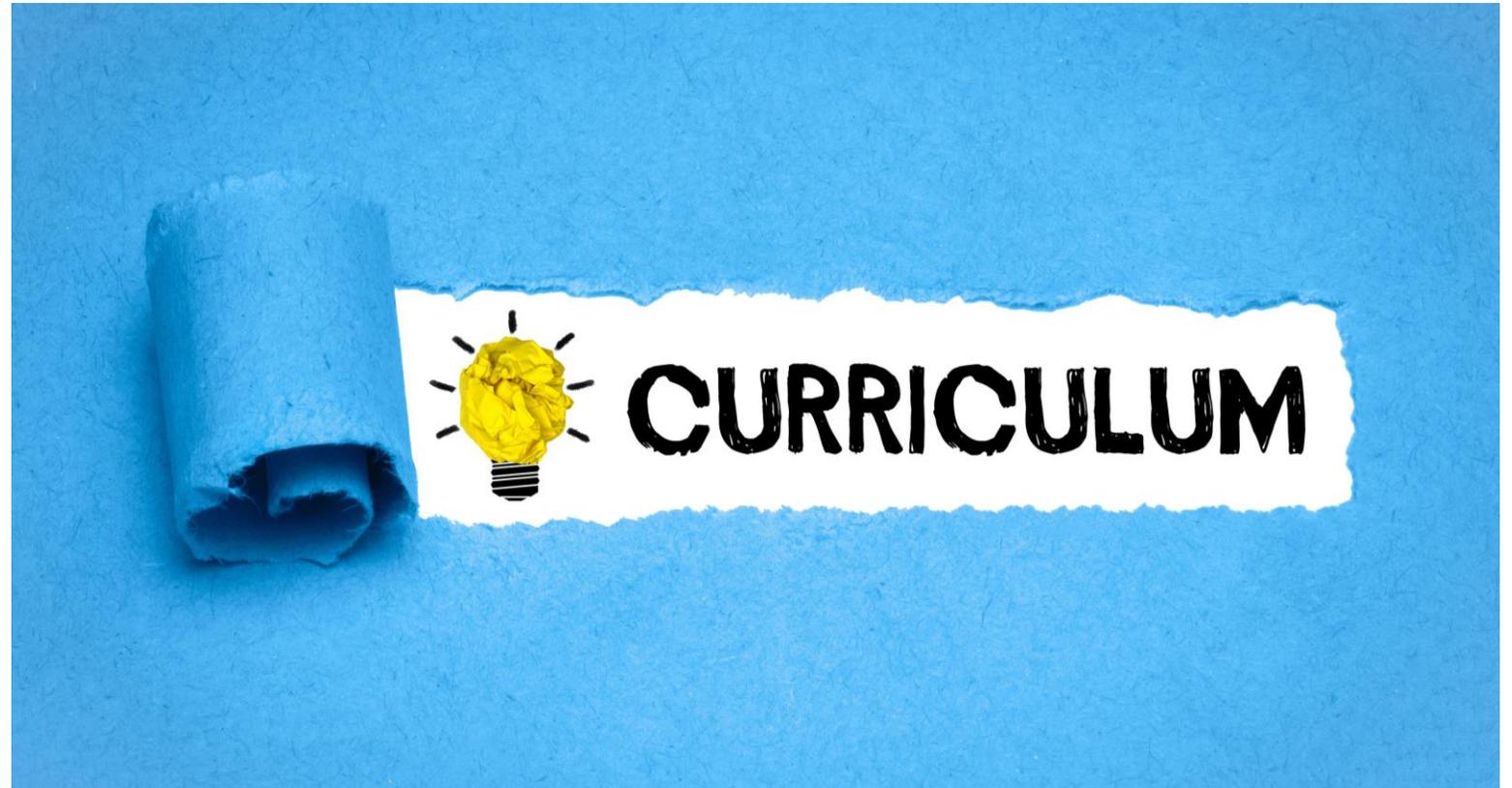
SKILLS & PROCEDURES

Compare the different methods of waste management and discuss their environmental impacts.

Develop a personal plan to reduce waste.

Discuss local waste management programs.

Represent a recycling process using diagrams.



PERSONALIZED GIFT

CONTACT SHEET

NEWSLETTERS WITHIN
YOUR MUNICIPALITY OR
SCHOOL DIVISION

BE GOOD AT YOUR JOB



Easy. Free. Fun.

Our presentations are just like this Slurpee.

Teaching Waste In Our World just got easier. We come to you with an interactive hour long presentation that gets kids excited about reducing their impact on the environment. A fun Kahoot is available to do with the presentation or on your own time.

Each student gets a free gift and take home activities to put their learning into action.

We also offer the following free activities:

EcoSchools Canada certification. Endless activities with amazing resources to get your school certified. Ask about how the program works today.

Beeswax wrap kits. For in class or take home. Everything you need to make reusable beeswax wraps is included.

Green Routine Game. Get the kids moving and learning about what goes where in our waste system.

Book Bins. Three bins available to borrow. We drop them off and pick them up for your convenience.

Tours of the Broadview Enviroservice Station. A great way to see behind the scenes as the County handles household hazardous waste. Ask about grants available for bussing.

Contact Erin Wildeboer to book your presentation today.
erin.wildeboer@strathcona.ca

 **STRATHCONA
COUNTY**

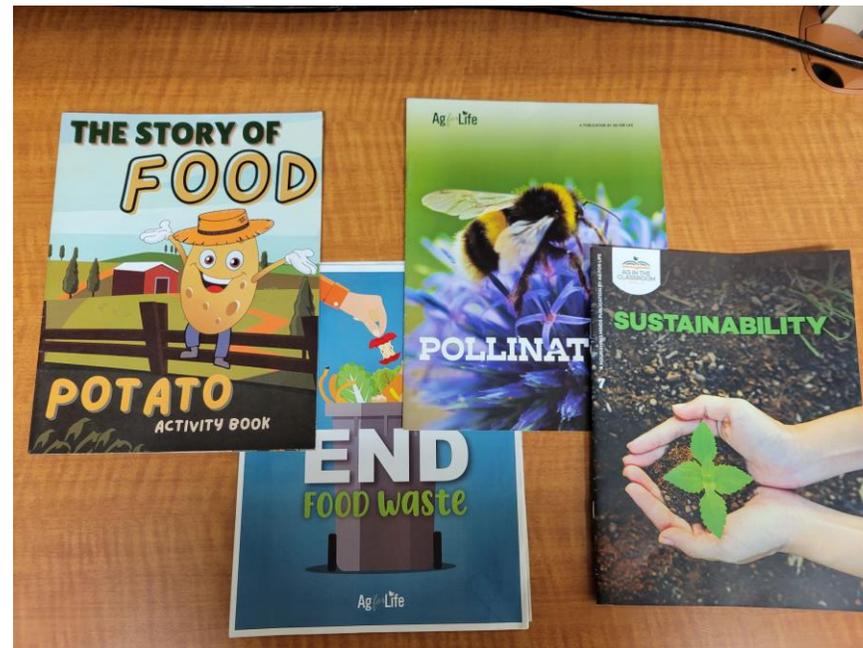
TRICKS TO GETTING INTO THE SCHOOLS

EcoSchools Canada

**Alberta Council for
Environmental Education**

**North American
Association for
Environmental Education**
naaee.org

Ag for Life



WHAT TO DO WHEN YOU GET TO SCHOOL



Waste in Our World Presentation

- **Keep it local**
- **Tell stories**
- **Include videos and lots of photos**
- **Have props**
- **If you have the \$ include a behavior change prop**

MAKE THEM BE LEADERS AT HOME

Kids love to boss around their parents!

THANK YOU FOR DOING YOUR PART!

BROADVIEW ENVIROSERVICE STATION

strathcona.ca/enviroservicestation

- Appliances
- Used oil, antifreeze and containers
- Household hazardous waste
- Paint, stain and containers
- Aerosol cans
- Electronics and things that plug in
- Batteries
- Light bulbs
- Propane tanks



Color this sheet and put it on a box. Collect items that can't be recycled or composted at the curb and bring them to be properly disposed of.

BROADVIEW & ARDROSSAN RECYCLE STATIONS

strathcona.ca/recycle

- Glass
- Styrofoam
- Tetrapaks
- Shoes
- Gift cards



 STRATHCONA
COUNTY

WASTE AUDITS

Kids love gross stuff

Cross curricular with math

Hands on learning is best

Make it a classroom kit



GREEN ROUTINE GURUS

We do a small presentation, they write a test, they get certified then we help them tell their classmates how to sort their waste at school.



THE GREEN ROUTINE GURU'S OF ST. NICHOLAS!



KITS ARE A HUGE HIT



- Beeswax wrap kit
- Green Routine game
- Book Bins
- Waste audit
- Vermicompost

BEESWAX WRAPS

- Fun and easy to make
- Inexpensive \$2-\$3 each
- Hands on learning
- Reduces plastic waste
- Kids will use it because they made it
- <https://youtu.be/7qK03QGULFg?si=HHAkvc eU3Dnwzhan>



TOURS OF ENVIROSERVICE STATION AND HODGEPODGE LODGE



EARTH DAY, WASTE REDUCTION WEEK EVENTS



PLAY A KAHOOT!



HELP WHERE YOU CAN

Do they need help with a special event like a pancake breakfast?

Can you help the parent group make hot lunch waste free?

Can you connect the school to other resources in your municipality?

Can you help the schools get grants?

Can you get sponsorships to help cover the cost of the programs?

Does your municipality already have things that could help the school ie bins, signage etc.

Build a relationship with your schools and think outside the box. It takes time but it will pay off.



THANK YOU

Erin Wildeboer

780-416-6784

Erin.Wildeboer@strathcona.ca



****Share in the Chat****

Share an example of a particularly
successful or original
student engagement / outreach initiative.

Robert Shaheen

Director of Food & Nutrition Services

New Bedford Public Schools, MA



New Bedford Public Schools

Robert Shaheen

Director of Food and Nutrition Services

rshaheen@newbedfordschools.org



New Bedford Public Schools

TRAY COMPARISSON

- Styrofoam

Year	Usage	Cost	
22-23	1.5 M	\$85k	P/U .06
23-24	0	0	

- Recyclable

Year	Usage	Cost	
22-23	0	0	
23-24	653k	\$134k	P/U .33

- Reusable

Year	Usage	Cost	
22-23	9k	\$31.5k	
23-24	2.5k	<u>\$9.3k</u>	P/U \$3.70

TOTAL COST \$40,750



New Bedford Public Schools

TRAY COMPARISSON

- Staffing / Labor / Reusable Trays
 - Sites with Working Dish Machines (10 Sites) 7,000 meals per day
 - 1 Additional Staff per Site / Per Year
 - ✓ 4 hour shift x \$17.50 per hour x 180 x 5 = **\$63,000**
 - Sites with **no** Dish Machines (22 Sites)
 - Will still use Recyclable Trays for 1,600 meals per day
 - ✓ 24-25 Estimated Cost **\$95,000**



New Bedford Public Schools

TRAY COMPARISSON

DISTRICT / COMMUNITY IMPACT

Compostable

1. Landfill Friendly
2. Trays can be Composted
3. Better Alternative to polystyrene (foam)
4. Similar Routine for Students and Staff

Reusable

1. Reduces Trash / Landfills
2. One time Cost
3. Staffing
4. Training / Students



New Bedford Public Schools

Composting

DISTRICT / COMMUNITY IMPACT

MA Disposal Ban Regulations

- *A facility that produces 1 Ton or more of waste*

5 Sites Are Composting

- *Each Site has 2 compost barrels*
- *Weekly pick up*
- *Only in the Kitchen*
- *Per site monthly cost \$300.00 or \$2,700 per year.*



New Bedford Public Schools

BULK MILD DISPENSER

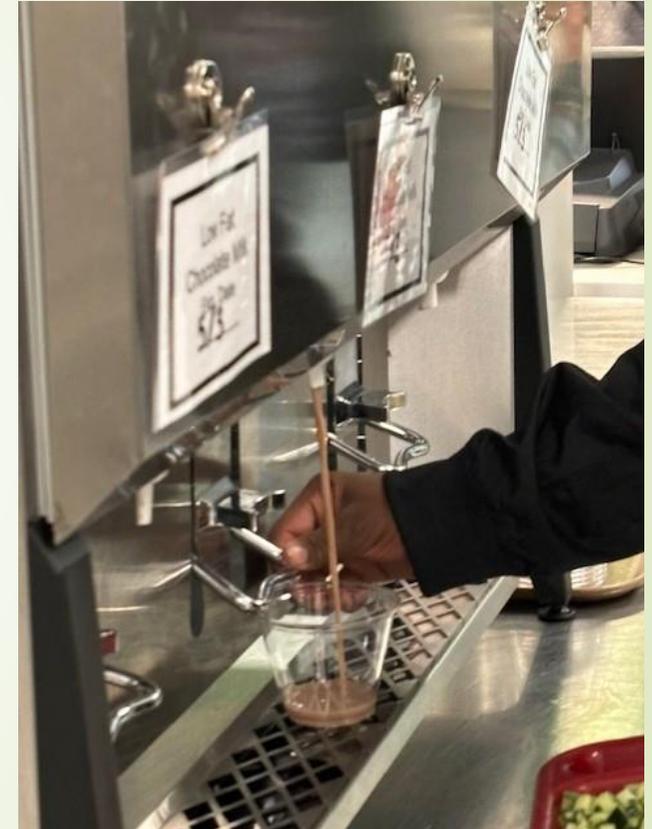
Carton Cost

☐ 8 oz unit = .33

Bulk Milk Cost

☐ 80 – 8 oz Servings =.33

- Trash Reduction
- Reusable Cups
- Landfills Life Span
- Smaller Deliveries
- More Storage Space
- Students Love it



New Bedford Public Schools

Funding Options

Excess Funds from your Program

Grants

- Local Recycling Department
- State Recycling Initiatives

Changes are Coming!!!!



New Bedford Public Schools

Thank You

Today's Panelists



Sami Springs LeCain

*Environmental Outreach
Specialist, Senior*

Clark County Green Schools, WA



Erin Wildeboer

*Supervisor, Waste Diversion
Outreach Program*

Strathcona County Utilities, AB



Robert Shaheen

*Director of Food &
Nutrition Services*

New Bedford Public
Schools, MA

Next Up...

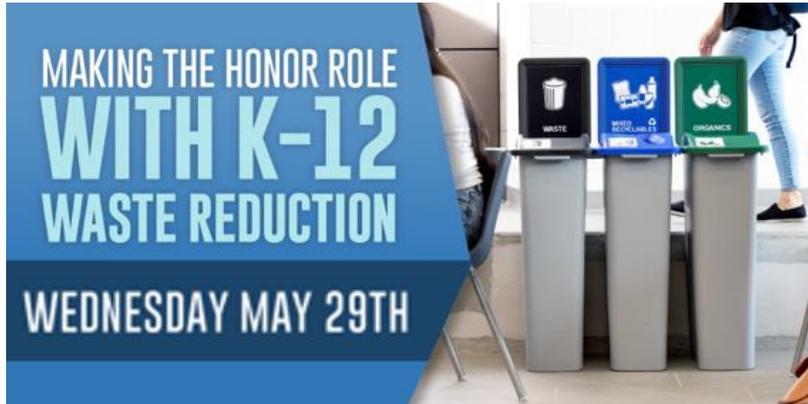
Save the date!

REDUCING WASTE IN VETERINARY FACILITIES

THURSDAY AUGUST 22ND



Today's Program Online



- Recording
- Presentation slides

Link will be emailed in coming days

Past K-12 Webinars

Slides, Recordings & Resources for:

August 2021

- Simcoe County Dist. Schools, ON
- Montgomery County Public Schools, MD
- Watsonville / Salinas Valley, CA

May 2022

- Lincoln Public Schools, NE
- Calgary Board of Education, AB
- Austin Independent School District, TX



Archived Slides & Recordings

- Food organics
 - Centralized office collections
 - Reuse & waste prevention
 - Rebuilding confidence in recycling
 - Healthcare waste reduction
- + More**



Visit: <https://www.buschsystems.com> > Resources > Webinars

Need Credit for CEU's?

Email Tyler Baillie
to request a
Certificate of Attendance

tbaille@buschsystems.com

Please Share Feedback to Presenters

Post-Webinar Survey:

- Prompt at end of program, or
- Look for Email tomorrow