



RECYCLING WORKSHOP

Summary Report



HELD ON
July 12, 2018

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- Deb Bush
- Stephanie Watson
- Sarah Herzig
- Barbara Hetrick
- Shelby Lewis

We would also like to thank Earl Gloster, Director of Solid Waste/General Services with the City of Clearwater, and Paul Sacco, Interim Solid Waste Director with Pinellas County, for their opening remarks to set the stage for the Workshop.

And last but certainly not least, we would like to thank each of the Workshop participants who provided their time and input into making the Workshop a success, with a special thank you to those participants who volunteered to be on one (or more) of three working committees resulting from the Workshop, including:

Contract Transparency

- Jennifer Seney
- John Hansen
- Jeff Donnel
- Alita Kane
- Tracy Meehan

Glass

- Earl Gloster
- Deb Bush
- Marissa Segundo
- Rachelle Dobbs
- Justin Helm

Enforcement Strategies

- Trista Brophy
- Sheridan Boyle
- Laura Thomas
- Tracy Meehan
- Jeff Donnel
- Alita Kane

Section 1 INTRODUCTION

Pinellas County (County), in partnership with representatives from the municipal jurisdictions within the County, formed the Technical Management Committee (TMC), as described in Pinellas County Code of Ordinances, Section 106-54. The TMC serves to provide general oversight on major operations and functions of the County Solid Waste Department. Any major changes to the solid waste program or proposed solid waste projects are brought before the TMC for their consideration and subsequent recommendation to the Board of County Commissioners (BOCC). The TMC meets every other month. At a recent TMC meeting, the topic of recycling issues led the TMC to recommend that the County host a workshop with public and private sector stakeholders in the Tampa Bay Region to provide a forum to further discuss recycling issues in the region.

Per the recommendation of the TMC, HDR Engineering, Inc. and NewGen Strategies and Solutions, LLC (the Facilitation Team) were retained by Pinellas County Solid Waste (County) to coordinate and facilitate a workshop with recycling stakeholders in the Tampa Bay Region (Recycling Workshop or Workshop).

The purpose of the Recycling Workshop was to facilitate discussions among public sector and private sector stakeholders that are currently, or may soon be, directly or indirectly impacted by the ongoing volatility in the recycling markets, with the goal of identifying issues and opportunities with recycling in the Tampa Bay Region.

County staff identified and reserved a location that could accommodate a large group and worked with the Facilitation Team to plan for the Workshop in developing the facilitation plan, keeping in mind the goals of the Workshop.

County staff developed a contact list of invitees consisting of public sector stakeholders from municipal jurisdictions within the County as well as surrounding counties and their municipal jurisdictions such as Hillsborough, Manatee, Pasco, and Sarasota, and stakeholders from local universities. The invite list also included stakeholders from the private sector, including local processors, haulers, and industry consultants as well as representatives of the Florida Department of Environmental Protection (FDEP).



County staff sent out email invitations and followed up as necessary to track and encourage RSVP's for the Workshop. County staff also prepared name badges for attendees and staffed the sign in desk as attendees arrived for the Workshop.

A total of 122 people were invited to the Workshop. Appendix A provides the complete Invite List. A total of 70 people attended the Workshop. Appendix B provides a listing of invitees that were able to attend (Participant List).

Section 2

FACILITATION APPROACH

The approach to facilitating the Workshop was deliberately designed to be flexible with the direction of the conversation, rather than having a strict structure. Because the intent of the Workshop was to identify issues and opportunities the various stakeholders are facing with recycling in a four-hour session, it was determined that it would be best to keep the entire group engaged in the same conversation for the duration of the Workshop, rather than have break-out sessions.

The Workshop was kicked off with opening remarks from Earl Gloster, Director of Solid Waste/General Services with the City of Clearwater, and Paul Sacco, Interim Solid Waste Director with Pinellas County, which provided background for how the Workshop came to be, and the intended outcome of the Workshop.

A brief PowerPoint presentation was given. The presentation first introduced the facilitators, Allison Trulock (NewGen) and Keith Howard (HDR). A safety briefing was conducted, the survey cards left at each table for each participant were explained, the goals of the workshop were reviewed, and the “rules of engagement” were reviewed. The PowerPoint presentation is provided in Appendix C.

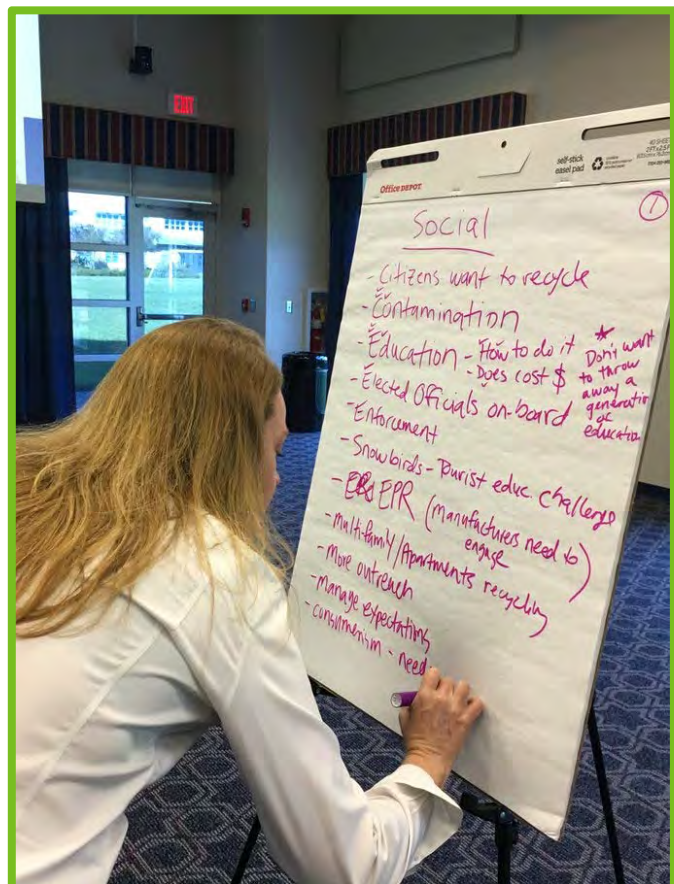
The survey cards left at each table, one for each participant, had two questions. The first question was “What were you looking to get out of the Workshop?” Participants were asked to answer the first question before the group discussion began. (The second question asked: “What did you get out of the Workshop?”.)

The three main goals of the Workshop were to:

1. Identify “Pressure Points”
2. Discuss Potential Solutions
3. Identify Action Items

The “Rules of Engagement” described to participants included “ELMO”, which is an acronym for “Enough, Let’s Move On!” The participants were informed that everyone in the room had the power of ELMO, to be used if the group was bogged down on a certain topic for too long. One participant could say ELMO, and if someone seconded the ELMO motion, the topic, though noted, would be off-limits for the duration of the Workshop.

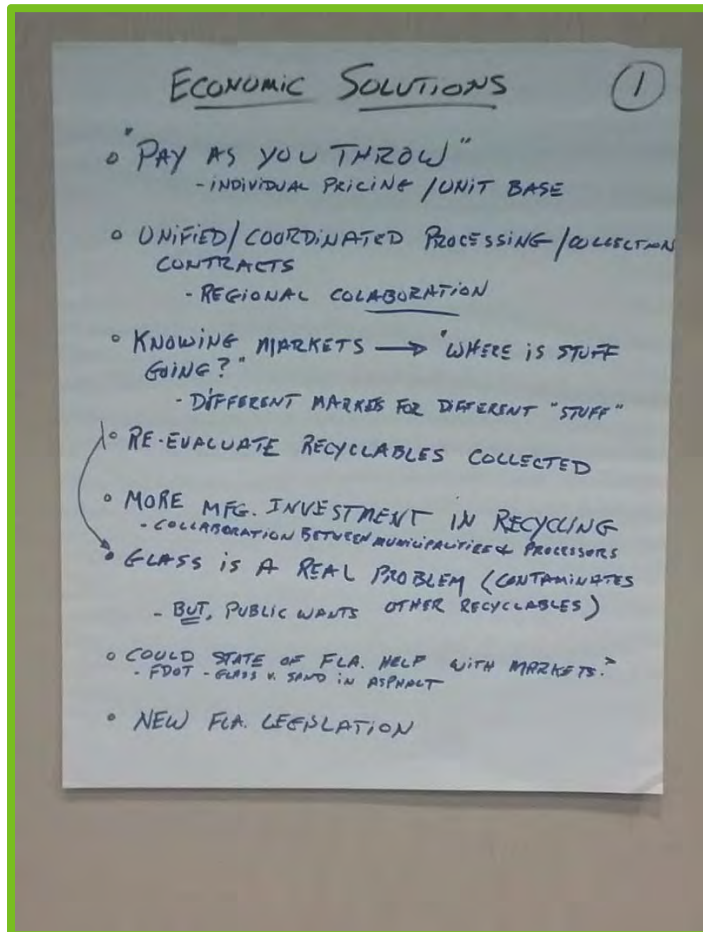
Four flip-charts on easels were set around the room to record feedback from the group. The first segment of the Workshop included going around the room to allow everyone a chance to introduce themselves and identify their key issue (or “pressure point”) relating to recycling. It was explained to participants that as the key issues were identified, they would



Section 2

be grouped into at least one of three broad categories: economic, environmental, and/or social – issues could fit into one or more of the three categories. One flip-chart was dedicated to each category. The fourth flip-chart was used to capture broader, over-arching issues as well as action items.

The second segment of the Workshop included identifying and discussing potential solutions, which were discussed by category (economic, social, environmental) to provide some structure; however, the conversation was free-flowing, with participants contributing to the conversation as desired.



The third and final segment of the Workshop focused on identifying action items and identifying potential committees to be formed. Volunteers for each committee were identified, and a sign in sheet for each committee was circulated.

Section 3

SUMMARY OF DISCUSSIONS

Appendix D provides detailed bullet points of items discussed, by category and by segment of the Workshop. The remainder of Section 3 provides a summary of discussions in each segment of the Workshop. The issues and potential solutions were categorized into one of three main categories: economic, social, environmental. A fourth “catch all” category was created to capture over-arching issues and potential solutions.



First Segment of Workshop: Identify the Issues

The first segment of the Workshop focused on going around the room to make sure every participant had an opportunity to share their key issues, or pressure points, relating to recycling.

Economic

Several participants expressed concerns over commodities markets, in part impacted by China’s strict quality standards on recyclables coming from the United States. However, it was noted by some participants that alternative markets are emerging. A lack of local or regional markets was noted as an

issue. Another common sentiment included the notion that recycling does cost money, despite customer perception that it makes money, and transportation and processing costs are rising. Contamination is a contributing factor to economic pressures relating to recycling, as it effects processors, and ultimate which commodities markets materials can be sold. The lack of processing capacity and limited options in the region was also noted.

Social

Social issues identified by participants largely focused on education of customers as well as elected officials. Contamination is seen as an education issue, in addition to an economic issue. Customers want to recycle – so much so that “wish-cycling” contributes to contamination. While some participants felt that it was time to consider modifying what is accepted in recycling programs, other participants felt it was important to maintain a generation of education. Most participants agreed that educating customers on the cost of recycling is an important aspect currently lacking.

Environmental

Environmental issues identified by participants somewhat echoed economic and social issues, with contamination, the need for alternative markets, and customers wanting to/expecting to recycle (“wish-cycling”), being identified by the group as environmental issues. Increasing diversion and taking care of the oceans were also identified as environmental issues. It was also noted that the current State approach to measuring recycling, which is weight-based, does not allow for an accurate assessment of success, increasing the potential for contamination while ignoring the total environmental impacts of source reduction and of specific materials recycled.

Over-Arching Topics

The over-arching issues identified included the struggle with education and service for multifamily, seasonal visitors, and elderly customers. The lack of extended producer responsibility in the region was noted. The lack of a regional approach to education, contracting, processing, and commodities markets was also noted.



It should be noted that only one topic was “ELMO’d” – the topic of glass. A significant amount of time was spent discussing glass and its challenges and opportunities.

Before beginning the second segment of the Workshop, the participants were polled. Participants were asked to consider their roles and responsibilities in their job (not personal opinion) and share which category most effects their ability to be successful in their job: economic, social, or environmental.

More than half of participants indicated that economic issues have the biggest impact; nearly half indicated that social issues have the biggest impact; very few participants indicated that environmental issues impact their ability to be successful at their job. Similar results were seen when participants were asked which category with which they have the most impact in their job.

Second Segment of Workshop: Identify Potential Solutions

The second segment of the Workshop focused on identifying potential solutions, in which participants could add to the conversation at will.

Economic

Most participants agreed that a regional approach to processing should be further explored. The idea of re-evaluating what is accepted in recycling programs was suggested for economic reasons, though consensus was not reached, as others in the group felt it was important to maintain current programs. Participants agreed that understanding what the current markets are and where potential new markets could be encouraged or created, especially domestically, is important. It was noted that approximately half of the municipalities represented in the Workshop would have expiring processing agreements in the next two to three years. State or local “grants” for recycling would be appreciated but are currently unavailable.

Social

Consensus seemed to be reached about striving for simple, consistent, regional education efforts. More dialogue on consistency should be initiated for the region. Incorporating the reality of the cost of recycling was again expressed by some participants as an important aspect to education.

Environmental

It was suggested that taking an “opt in” instead of “opt out” approach should be encouraged, such as providing plastic straws – change the perspective from expecting a straw to requesting a straw. Considering a life cycle approach to measuring success was also suggested. It was largely agreed by the group that the environmental aspects are the “why”, while the economic and social aspects are the “how”; the “how” aspects can be impacted more by participants than the “why”.

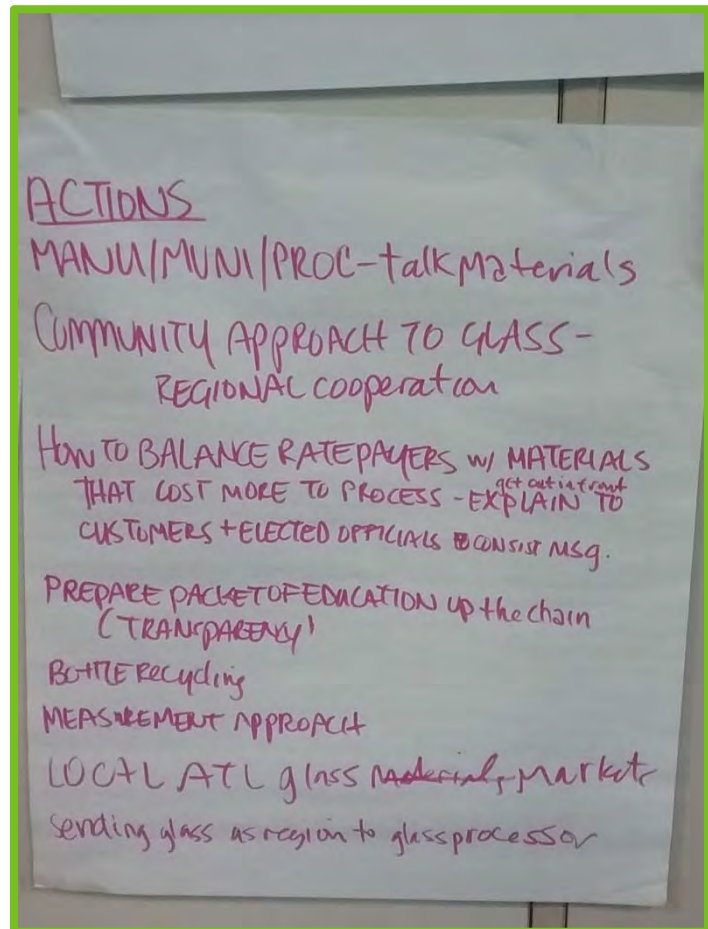
Over-Arching Topics

The need for a regional approach to education, contracting, processing, and commodities markets was noted. It was also noted that a generation of education should not be lost (“adapt or die”), as it is important for municipal programs to consider that commodities markets always fluctuate. A processor noted that not all recycling markets were poor, and that it was important to specify what one means when referring to recycling markets.

Third Segment of Workshop: Identify Action Items

The third segment of the Workshop focused on identifying action items that should be taken, and whether those action items could be taken by participants or if it was up to others, such as the State. The action items identified include the following:

- Get a group together to discuss regional consistency in education
- Enforcement:
 - What is possible
 - Barriers to enforcement
 - Tagging protocol
 - “three strikes and you’re out”
- “Glassphalt” locally – work with FDOT contracting
- Community approach to glass – regional cooperation
- Evaluate contracts before expiration (like, now)
- Communicate that recycling costs money, get politicians to understand
- Look into a MRF as part of Pinellas County solid waste master planning process
- Manufacturers/ municipalities/ processors – talk about commodities/materials (transparency and coordination needed)
- Figure out how to balance ratepayers understanding and desire to recycle with materials that cost more to recycle



Section 4

RESULTS AND NEXT STEPS

With the action items identified, the group was asked which action items warranted a committee of volunteers to begin to address the action item. Three committees were identified, including:

- **Contract Transparency:** to collaborate with local government, processors, collectors, and potentially manufacturers on contracting issues, to look for fair and equitable contracting improvements.
- **Glass:** to take the next step in looking for regional cooperation, and a community approach to beneficial use of glass.
- **Enforcement:** to take the next step in identifying the barriers, what is possible and reasonable to expect, and what tagging protocol may be appropriate.

There was agreement that the committees would report back to the Pinellas Partners in Recycling (PPR) to share results in PPR meeting(s), as appropriate, with the understanding that the PPR chairperson would report back to the TMC. Appendix E provides the committee sign in sheets for each of the three committees formed.



The Workshop was concluded with a reminder for participants to fill out the second question (i.e. “What did you get out of the Workshop?”) on the survey cards left at the table for each participant.

A total of 70 participants out of 122 invitees, close to a 60% participation rate, may be indicative of an engaged group of stakeholders impacted in different ways by the same recycling industry, seeking to solve recycling issues in the region in a collaborative manner. Overall, feedback about the Workshop was positive. Some frequently expressed sentiments on the survey cards included:

- Learning about recyclables processing, previously unknown to a majority of participants, was useful.
- Hearing others’ perspectives was valuable; it was validating to know that others are in same situation.
- Many agreed that while there weren’t obvious solutions, the formation of committees was promising.
- Taking a collaborative approach for the region, and looking for regional solutions is promising.

Appendix F provides the completed survey cards.

Appendix A

Invite List

Name	Email Address	Organization	Position Title
Riefler, Kyle	Kyle.Riefler@CityofBelleairBeach.com	City of Belleair Beach	Community Services Administrator
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Boler, Ray	rboler@cityofsafetyharbor.com	City of Safety Harbor	Public Works Director
Kennedy, Sherri	skennedy@cityofsafetyharbor.com	City of Safety Harbor	Sanitation/Recycling Supervisor
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 DisposAll
 DisposAll
 Eckerd College
 Florida Department of Environmental Protection
 HDR
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 HDR
 Hillsborough Community College
 Hillsborough County
 Keep Pinellas Beautiful
 Keep Pinellas Beautiful
 Keep Pinellas Beautiful
 Keep Pinellas Beautiful
 Kessler Consulting, Inc.
 Kessler Consulting, Inc.
 Manatee County
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 Pasco County
 Pasco County
 Pinellas County Economic Development
 Pinellas County Economic Development
 Pinellas County Economic Development
 Pinellas County Economic Development
 Pinellas County Economic Development
 Pinellas County Extension
 Pinellas County Marketing & Communications
 Pinellas County Schools
 Pinellas County Schools
 Pinellas County Solid Waste
 Pinellas County Solid Waste
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 Pinellas County Solid Waste
 Pinellas County Solid Waste
 Pinellas County Solid Waste
 Pinellas County Solid Waste
 Pinellas County Solid Waste
 Pinellas County Solid Waste
 Pinellas County Solid Waste
 Pinellas County Solid Waste
 Recycling Resources (consultant and member of PPR)
 Recycling Services of Florida
 Republic Services

Owner
 Owner
 Sales Manager
 Manager
 Director of Office of Sustainability
 Environmental Administrator
 Solid Waste Section Manager - Florida
 Associate Vice President

 Sustainability Coordinator
 Recycling Coordinator
 Executive Director
 Program Director
 Education and Volunteer Manager
 Intern
 Owner
 Director of Technical Services
 Recycling Program Coordinator
 Solid Waste Collections Supervisor
 Vice President, Solid Waste
 Recycling and Education
 Recycling Supervisor, Recycling and Education
 Sr. Economic Development Manager
 Sr Economic Development Manager
 Department Administrative Manager
 Director
 Business Development Manager
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 Media Specialist
 Clerk Specialist
 Manager of Finance/Recycling
 Intern
 Division Manager
 Program Supervisor, Business Waste Assessment Section
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 Solid Waste Technician, Recycling Outreach & Programs
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 St. Petersburg College (SPC)
 Strategic Materials (glass processor)
 Superior Trash Service
 Tampa International Airport
 Town of Belleair
 Town of Belleair
 Town of Belleair Shore
 Town of Indian Shores
 Town of Indian Shores
 Town of Kenneth City
 Town of North Redington Beach
 Town of Redington Beach
 Town of Redington Shores
 U.S.F. St. Petersburg
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 U.S.F. St. Petersburg
 U.S.F. Tampa
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 Waste Connections
 Waste Connections
 Waste Connections
 Waste Management
 Waste Management
 Waste Management
 Waste Pro
 Waste Pro

Solid Waste Division Manager
 Solid Waste Collections Manager
 Owner
 Operations Manager
 Co-owner
 Professor & Sustainability Program Manager
 Director of Operations
 Owner
 Sustainability Manager
 Solid Waste Supervisor
 Town Manager
 Mayor
 Public Services Supervisor
 Administrative Specialist
 Public Works Supervisor
 Town Clerk
 Town Clerk
 Town Clerk
 Buildings & Maintenance Operations Manager
 Intern
 Sustainability Planner, Facilities Services
 Facilities Management-Planning, Sustainability
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 Community Affairs Manager
 Government Liaison

 Municipal Marketing Manager

Appendix B

Participant List

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Meehan, Tracy tmeehan@wasteprousa.com

Pinellas County Solid Waste
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Recycling Resources (consultant and member of PPR)
Solar Sanitation
SSR MRF (Sarasota County)
Town of Belleair
Town of Indian Shores
U.S.F. St. Petersburg
U.S.F. St. Petersburg
University of Tampa
Waste Connections
Waste Management
Waste Management
Waste Management
Waste Pro
Waste Pro

Intern
Division Manager
Program Supervisor, Business Waste Assessment Section
Division Manager
Solid Waste Technician, Recycling Outreach & Programs
Solid Waste Technician, Recycling Outreach & Programs
Solid Waste Program Assistant, Recycling Outreach & Programs
Environmental Specialist 1
Interim Director
Environmental Specialist 1
Program Supervisor, Recycling Outreach & Programs
Communications Consultant
Operations Manager
Co-owner
Town Manager
Administrative Specialist
Intern
Sustainability Planner, Facilities Services
Energy Manager, Facilities Management
District Manager
Education & Outreach, Tampa MRF
Community Affairs Manager
Government Liaison

Municipal Marketing Manager

Appendix C

Workshop PowerPoint



RECYCLING WORKSHOP

July 12, 2018



WELCOME

01 Opening Remarks

02 Meet the Facilitators

03 Survey Card at the Table

04 Safety Briefing

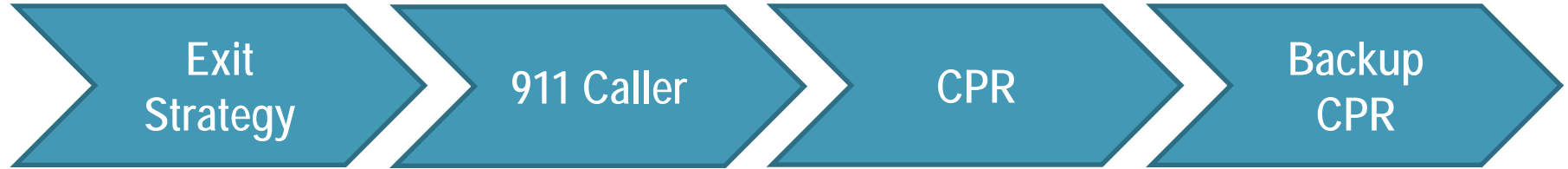


Allison Trulock
NewGen



Keith Howard
HDR

SAFETY BRIEFING





GOALS FOR WORKSHOP

- 01 Identify Pressure Points
- 02 Discuss Potential Solutions
- 03 Identify Action Items

RULES OF ENGAGEMENT

- **Silence** your cell phone.
- **Listen.**
- **Be curious.** Ask others about their viewpoints to understand what they mean and why.
- **Be thoughtful and concise.**
- **Be respectful.**
- **ELMO** – enough, let's move on.



Appendix D

Detailed List of Items Discussed

Detailed List of Items Discussed

Economic Issues Identified (First Segment of Workshop)

- Financial (markets down)
- Contamination
- Recycling costs (including cost of public education)
- Rising cost of recycling
- Private haulers charge for recycling
- Increase in operational costs
- Markets are changing
- Supply and demand
- Regional/local markets for recycling lacking
- Availability of processors (local)
- Transportation costs
- Teach elected officials about cost
- Business of recycling does not offset costs
- Bans and mandates / regulation lacking (may not be way to go)
- Create value
- Plastic bags effect processing costs
- China
- Right sizing services
- Recycling reduces landfill costs
- Closing the loop
- Capital costs for recycling in schools (public buildings)
- Local/joint ownership of MRF
- Public perception that recycling “makes money”

Economic: Potential Solutions Identified (Second Segment of Workshop)

- “Pay-as-you-throw”/ Unit based pricing / individual pricing
- Unified/ coordinated processing/ collection contracts (regional collaboration)
- Knowing markets – where is stuff going? (Different stuff going to different places)
- Not all markets are hurting
- New markets emerging with the China ban
- Can we capture niche markets?
- Why are we shipping elsewhere instead of handling domestically?
- Re-evaluate recyclables collected
- More manufacturing investment in recycling (collaboration between municipalities and processors)
- Glass is a real problem – contaminates other recyclables, but public wants to recycle
- Could State of Florida help with markets? (FDOT: glass vs. sand in asphalt)
- New FL legislation

- State/local “grants” to encourage recycling
- Regional coordination on contracts
- “Transparent” communication on the cost to recycle

Social Issues Identified (First Segment of Workshop)

- Citizens want to recycle
- Contamination
- Education
 - How to do it
 - How much it costs
- Don’t want to throw away a generation of education
- Need elected officials on board
- Enforcement challenges
- Seasonal visitors – education challenge
- Manufacturers need to engage (Extended Producer Responsibility)
- Multifamily/ apartment recycling
- Need more outreach
- Need to manage expectations
- Consumerism: needs vs. wants
- Contracting issues
- Need more processing (lack of infrastructure)
- Maintain integrity of what we have built with recycling
- Proactive community – can’t keep up with demand
- Aesthetics vs. containers and signage
- Pushing reuse and buying recycled content items
- Elderly – challenges with education
- K.I.S.S approach to education (Keep It Simple, Stupid)
- Regional approach to education
- Educate on economic benefit of recycling
- Are we targeting the wrong people?
- Plastic bags are an education issue, too (not just operational)
- Voluntary participation is a challenge
- Educate on ‘closing the loop’
- Perception
- Educate local leaders to create a stronger voice to take to the State
- Define contamination
- Educate on proper handling on non-traditional items
- Consistent messaging with changing process (e.g. plastic caps – on the bottle or off)
- Need to refocus at the top (manufacture ring)
- Educate/coordinate the full loop
- Ethics of the right way to recycle

Social: Potential Solutions Identified (Second Segment of Workshop)

- Consistency / standardization
- Simple
- Further regional messaging, more dialogue on consistency
- Focus on “yes” items
- Educate at the cart/bin
- Put cost information out for the customer to see
- Include aspects of equity
- Talk to schools – educate our kids – they will correct their parents
- Show impact on living things (e.g. animals, people)

Environmental Issues Identified (First Segment of Workshop)

- Want to/expect to recycle
- Contamination
- Long term established education – don’t throw it away
- Alternate markets
- Contracting/ processing capacity; lack of infrastructure
- Aesthetics / containers
- Waste reduction
- Bans/ mandates
- Increase diversion
- China
- Right sizing services
- Need for integrated systems
- Success measurement
 - Life cycle measurement?
- Reduce/ reuse
- Take care of the oceans
- “wish-cycling” (contamination)

Environmental: Potential Solutions Identified (Second Segment of Workshop)

- “opt in” instead of “opt out” approach (e.g. plastic straws at restaurants)
- Grass-roots influences environmental – will play itself out
- How we measure diversion – change approach?
 - Consider life cycle measurement
- Environmental is the “why” behind the economic and social aspects

Over-arching Issues and Potential Solutions Identified (First and Second Segments of Workshop)

- Extended producer responsibility (EPR) is lacking in the region
- Difficult to serve and/or educate:
 - Multifamily/ apartments
 - Elderly
 - Seasonal visitors
- Legislation
- Generation of education (don't sell the house)
- Alternative markets
- "Adapt or die"
- Trucking/ transportation
- How to measure recycling
- Operations (collectors) on board with education efforts
- Comparing FL to other states
- Product innovation
- Regional solution: state of the art recycling facility?
- Regional contracts oversight so that local capacity works
- Bans/ mandates – from commercial sector?

Action Items (Third Segment of Workshop)

- Get a group together to discuss regional consistency in education
- Enforcement:
 - What is possible
 - Barriers to enforcement
 - Tagging protocol
 - "three strikes and you're out"
- "Glassphalt" locally – work with FDOT contracting
- Community approach to glass – regional cooperation
- Evaluate contracts before expiration (like, now)
- Communicate that recycling costs money, get politicians to understand
- Look into a MRF as part of Pinellas County solid waste master planning process
- Manufacturers/ municipalities/ processors – talk about materials (transparency and coordination needed)
- Figure out how to balance ratepayers with materials that cost more to recycle (get out in front of it)
 - Explain to customers and elected officials with consistent messaging
- Prepare packet of education up the chain (transparency)

Appendix E

Committee Sign in Sheets

CONTRACT TRANSPARENCY

Committee Name:

[illegible]

Enforcement Strategies

Committee Name:

[illegible]

GLASS

Committee Name:

[illegible]

Appendix F

Completed Survey Cards

1. What were you looking to get out of the Workshop?

Mutual Understanding and agreement on the
Challenges that Recycling processors face in
finding end markets for materials and maintaining
profitability

2. What did you get out of the Workshop?

Understanding of other people's challenges
in municipalities. Ability to listen to
other perspectives

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

Better perspective on waste mgt in county / region and opportunities to support this through education and policy.

2. What did you get out of the Workshop?

Good overview of the range and complexity of issues within the region which I can communicate to audiences in my education programs.

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

Education, Information, Communication

2. What did you get out of the Workshop?

Market Place is starting corrections now.

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

P.C. direction moving forward with a MRF they operate.

2. What did you get out of the Workshop?

We all have same issues. "Cost"

A lot of questions but no firm answers.

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

WHAT OTHERS PLANS OR IDEAS ARE FOR FINDING A SOLUTION TO
THE PROBLEM OF NO END MARKETS FOR THE MATERIAL, AND THE IMPACT
OF THE RISING COSTS TO PROVIDE THE SERVICE.

2. What did you get out of the Workshop?

EVERYONE IS EXPERIENCING THE SAME PROBLEMS AND THERE IS A GREAT NEED
TO HAVE WORKSHOPS SUCH AS THIS ONE..

THERE IS NEED TO HAVE THESE AT LEAST QUARTERLY ~~OR~~

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

- ways to address contamination (specifically glass) -- define
- More collaboration on messaging (marketing) -- consistency
- Education & Enforcement

2. What did you get out of the Workshop?

- Everyone is effected
- All willing to work together
- Great group willing to collaborate & work regionally

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

Solution to reduce contamination

Sending the same m on ^{reducing} contamination w/ edcation
coming from Recycling Facilities

2. What did you get out of the Workshop?

we made progress w/ a resolution on
contamination

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

BETTER INFORMED ON REALISTIC COST TO RECYCLE

2. What did you get out of the Workshop?

THERE IS STILL A LOT TO DISCUSS,
HIT PEOPLE IN THE POCKET BOOK.

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

To be able to educate the public about
contamination and about the status of
the actual market

2. What did you get out of the Workshop?

Possible solutions to help with our recycling challenge.

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

New ideas to share w/ the School System
Compactors

2. What did you get out of the Workshop?

Reality check on the levels - from ordering - processing -
finishing. Reduction

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

A way forward for our contract and organization

2. What did you get out of the Workshop?

Confidence in the continuation of our operations

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

Future plans for recycling/waste reduction

2. What did you get out of the Workshop?

Learned where everyone's values were regarding waste management.

Please write any additional comments on the back of this card.

Recycling Workshop Comments

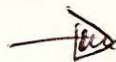
1. What were you looking to get out of the Workshop?

Learn about system-wide issues and opportunities around recycling that I can help take back to my campus.

2. What did you get out of the Workshop?

Learn about market demand/issues both locally and globally, how different countries handle waste, hearing how the recycling market has changed in just the last few years.

Please write any additional comments on the back of this card.



Great outcome! Learned a lot and good to hear from so many experts in the field. Would've enjoyed doing more break out sessions though to brainstorm w/ more individuals and keep engagement going between more parties rather than just hear from one person at a time w/ a large audience.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

More understanding of the recycling initiative from the state down to the municipal level.

2. What did you get out of the Workshop?

I learned a lot of information that I didn't know about the recycling business.

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

How to process recycle material in a holistic manner
Cost to residents - municipal budget

2. What did you get out of the Workshop?

We all have the same issues
More questions than answers

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

PCSW's Future Plans for Recycling

How Can the County Facilitate the Processing of Recyclables?

... .. encourage additional MRF's within Pinellas County?

2. What did you get out of the Workshop?

WE ARE in this together

Disappointment that no action item was created to consider

the need for additional MRF's in Pinellas County

Please write any additional comments on the back of this card.

1. What were you looking to get out of the Workshop?

Recycling Solutions for Commercial Businesses.

2. What did you get out of the Workshop?

- Everyone is having Contamination issues, especially with glass processing.
- Interesting issues that processors have. Example: plastic film & pet waste issue.
- Regional effort needed for glass

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

Thoughts + Comparisons of other municipalities/counties and how they were addressing

2. What did you get out of the Workshop?

~~Don't know~~

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

- + Other process that municipalities are performing
- + Upcoming Changes Contamination
- changing of process

2. What did you get out of the Workshop?

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

- I want to offer businesses options for efficient and accurate recycling outcomes.
- Identify challenges in recycling (to find solutions)

2. What did you get out of the Workshop?

- End markets are still available and markets are still strong.
- Glass is an issue financially but options & changes are being considered

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

Insight into hot buttons or concerns by municipalities.

2. What did you get out of the Workshop?

Regional interest, common problems & concerns.
Desire for additional processing capacity.

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

- To hear from the waste industry WM, Pro, etc.

→ seems that 2³ came and they were not the executives, economists, operational. ~~about about about~~

2. What did you get out of the Workshop?

A few new pieces of good information.

The seemingly obvious regional solutions, but need for strong leader and driver team to move it quickly.

Please write any additional comments on the back of this card.

1. What were you looking to get out of the Workshop?

To provide an open, honest, passionate discussion regarding the current recycling challenges. techniques that may/can work to reduce contamination. To promote environmental stewardship as leaders.

2. What did you get out of the Workshop?

voicing concerns and opened the floor for many possibilities. Learning the different aspects of solid waste challenges and what has to be addressed. This chance was important but we really do have to take to heart.

Please write any additional comments on the back of this card.

1. What were you looking to get out of the Workshop?

A clear direction on how we should move forward with our recycling program based on market shifts and processing changes.

2. What did you get out of the Workshop?

An established momentum to start working on solutions that will build regional momentum across the industry.

Please write any additional comments on the back of this card.

1. What were you looking to get out of the Workshop?

Personal experiences ~~of~~ and
Local impacts of China's bans. Potential ^{expected} changes?
Creative solutions? Successful ways to keep up with
changing education.

2. What did you get out of the Workshop?

Everyone is struggling with the same issues. Have municipalities
kept up with markets? Do we need to make some
materials accepted changes?

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

A greater understanding of the economic and communications challenges of recycling.

2. What did you get out of the Workshop?

Exactly what I had hoped, plus some great resources.

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

Adcl. promotional ways to get citizens to recycle. - Education/Outreach

2. What did you get out of the Workshop?

- A lot of good information ⁱⁿ ~~the~~ issues brought up.
- Good Workshop!

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

Path forward to continue existing program

to expand to multi-family

Find solution to economics; inputs to next contract

2. What did you get out of the Workshop?

Committees to continue the work

No plans for capacity changes

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

Learn, Collaboration,

2. What did you get out of the Workshop?

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

④ How can we work together to continue to make recycling feasible?
• Enhanced education? • Joint procurement? • Assisting processing facilities
• communications plan? • State lobby (mandates/bans) as desired by local govts.

2. What did you get out of the Workshop?

Know willingness of everyone to work together
Looking forward to information to come out of committees
Caught up w/others affected by the industry

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

Where are we heading and what's new to come in the future.

2. What did you get out of the Workshop?

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

Balancing customer expectations with business reality.

Customer's perception and expectations are more developed than the industry.

2. What did you get out of the Workshop?

Please write any additional comments on the back of this card.

Effects of measuring by
weight and making it
simple

SS = unsellable product
recycle more vs recycle
right

nothing is easy
easy = lazy

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

I hope to hear discussions about the future of recycling in FL/Tampa Bay Region in light of recent changes/challenges (China). I hope to hear some potential solutions/adaptations.

2. What did you get out of the Workshop?

I heard a lot of perspectives/concerns/challenges from various stakeholders. It was enlightening to hear so many views.

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

Conversation, insight, mutual concern, direction

2. What did you get out of the Workshop?

having continued discussions via committees, understanding mutual concerns and desires

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

1) A better understanding of recycling issues, especially in terms of economic & market barriers coming now & in the near future; 2) ways to educate the public & improve recycling rate while reducing contamination; 3) how to get our board/elected officials to support codes & enforcement

2. What did you get out of the Workshop?

Issues that MRFs are having; the committees out of this are great; lots of new ideas 😊

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

Solution oriented ideas & action items we can take back to our Admin, specifically as how it relates to our partners.

2. What did you get out of the Workshop?

A few Committees to push appropriate concepts/actions forward ;

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

solution to MRF existing situation, ideas on contract renegotiation,
how to answer a strictly cost issue / argument, operational
costs increasing - MRF bankruptcy in the future?

2. What did you get out of the Workshop?

a small step towards transparency 😊

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

Information about recycling Challenges of the region & what the state can do to help (minus grants & mandates)

2. What did you get out of the Workshop?

Great, shared ^{Regional} information

Please write any additional comments on the back of this card.



Opportunity for a networking break.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

Find a reasonably priced facility to bring recyclables or an answer for the future

2. What did you get out of the Workshop?

I learn on how to educate and police residents on recycle habits

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

Being new to the county, I want to understand the status of PY among the partners.

2. What did you get out of the Workshop?

I learned that we all have the exact same issues & concerns. Regionally, we have the option of working together to solve/address problems.

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

I'd like to hear how others are dealing with recycling? Also, what ideas others have about the way forward.

2. What did you get out of the Workshop?

We all have the same challenges.

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

A direction forward - Not recycling is not an option - Try to get processors to improve process rather than stop accepting materials - like glass solution is not just education -

2. What did you get out of the Workshop?

WORK - GREAT Event - Thanks for doing this

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

A better understanding of the future of recycling in Pinellas county and in general. Better ways to educate residents. on how to recycle and the effects of not becoming educated

2. What did you get out of the Workshop?

An overall understanding of all the aspects of recycling. Mainly the pros and cons and especially the solutions.

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

I would like to learn more ways to educate the public on Recycling and different incentives to get the public to recycle and Reduce waste.

2. What did you get out of the Workshop?

I learned a lot on the economic problems ~~association~~ associated with Recycling in the different municipalities in pinellas. A topic I had not previously known a lot about.

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

- ① What is the recycling processing capacity and true processing cost per ton within the region at MRFs
- ② Are any municipalities moving to remove items from their programs (i.e. glass)
- ④ How to best reduce contamination

2. What did you get out of the Workshop?

Everyone is facing the same challenges but no one has the answers

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

Guidance for alternate recycle methods

Creative outreach for contamination issues

2. What did you get out of the Workshop?

Be consistent with messaging

Everyone is having the same problems

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

Solution, new idea on the Recycling challenges.

2. What did you get out of the Workshop?

Great ideas to go back and try to implement them w/ our team.

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

Broader perspective of the challenges & successes of the industry during this time. New educational ideas for drop off centers.

2. What did you get out of the Workshop?

New perspectives & ideas from public & private sector

Please write any additional comments on the back of this card.

Recycling Workshop Comments

1. What were you looking to get out of the Workshop?

Hear what pressure point are + potential solutions.
Networking.

2. What did you get out of the Workshop?

Very respectful exchange. Good to hear perspectives.

Beneficial to see group has similar goals +
that are all in this together.

Our region has a good framework in place to work together - even better
than I had thought.

Please write any additional comments on the back of this card.