

**City of Philadelphia Solid Waste and Recycling Advisory Committee (SWRAC)
MEETING MINUTES (DRAFT)**

DATE: March 29, 2018

ATTENDEES:

SWRAC Members

Fern Gookin, Revolution Recovery (co-chair)
Michelle Feldman, Keep Philadelphia Beautiful (co-chair)
Robert Anderson, Curb My Clutter
Jack Embick, Citizen
Scott McGrath, Streets Sanitation
Sara King, Penn

Others Present

Archie Filshill, Aero Aggregates
Herb Northrop, Aero Aggregates
Kathleen Grady, Temple University
Emily Logan, Temple University
Peter Karasik, Resident/Independent consultant
Christian Saveoz, Republic Services
Shreddha Sawant, eForce Recycling
Andy Shea, RNG Energy Solutions
Logan Welde, Clean Air Council

City Staff/Consultants

Erin Cartwright, Recyclebank/Philacycle
Everett Burgess, Recyclebank/Philacycle
Marisa Lau, Streets/Recycling Office

Call to order/introductions

The meeting was called to order by SWRAC co-chairs F. Gookin and M. Feldman at 3:05 pm.

January Meeting Minutes

Meeting minutes from the January 25th SWRAC meeting were approved by voice vote (Anderson move).

Presentation One: Curb My Clutter

Bob Anderson, Vice President of Business Development

Mr. Anderson began with a recent history of recycling in Philadelphia, noting milestones such as:

- Weekly, single-stream collection
- The recycling rewards program

- Adding cartons and plastics #3-7 toward achieving a 21% residential recycling diversion rate.

Curb My Clutter can assist the City in reaching its ambitious goal of zero waste by 2035 through helping to divert a significant portion of the City's waste stream: clothing and textiles. According to the 2017 waste characterization study, textiles are the fifth most prevalent material in the City-managed waste stream, after food waste, glass, paper and residential C&D material. 85% of textiles in the US are sent to landfills, representing billions of dollars wasted. The current curbside recycling collection program is cost prohibitive for textiles, because clothing is event-driven and a municipality can't run a truck past every house every week hoping for set outs.

Curb My Clutter offers an operational and infrastructural solution to this problem. Residents can schedule a pick-up for clothing and textiles using an automated program via text. Just as increasing the frequency of, and making it easier for, residents to participate in Philadelphia's curbside recycling collections resulted in increased tonnages, the City needs to offer a convenient solution for residents to recycle textiles.

Curb My Clutter's software is customizable, and features a user-friendly interface. Routing and inventory management services are included. Additional features that could be incorporated include:

- Convenience fee services for pick-up of supplementary materials (like TVs)
- "Doorbell" service for higher value items that should not be left outside
- Rewards incentivizing users to supply photos of items for pick-up via the app
- Text confirmations and updates on scheduled pick-ups

Next step would be to test out the program in a pilot area of Philadelphia.

Presentation Two: Aero Aggregates
Archie Hill, CEO

Aero Aggregates produces ultra-lightweight aggregates from recycled glass for use in construction. The technology has been used successfully in Europe for decades; now geotechnical and environmental engineering firms in the US are being introduced to it.

Characteristics of foamed glass aggregate:

- A closed cell structure (non-absorbent)
- High friction angle
- Made out of 100% curbside recycled glass (mixed color cullet has no value)

Manufacturing process:

- A kiln can process 55 million bottles per year; takes 45-50 min to complete
- Foaming agent used is a pre-consumer recycled material
- Cooling/cracking process occurs naturally
- Stockpiled outside (100% inert material)

Applications:

- Approved by multiple State DOTs; the first two transportation projects using the material were in Philly
- Used in green roof construction to replace existing lightweights and provide insulation
- Can be used in building embankments, retaining walls, tunnels and culverts, and utilities (also provide steam pipe insulation)

Environmentally-friendly:

- Uses less CO² and energy in manufacturing compared to similar materials
- 8 times more material delivered per truck than traditional aggregates
- Accelerated construction schedule compared to using traditional aggregates

Aero Aggregates is located in Eddystone, PA at the Baldwin Locomotive Building; they will be expanding to a second kiln soon. A. Filshill and Herb Northrop, COO, took questions from the SWRAC about construction uses and durability of the aggregate.

City of Philadelphia Ethics Training

Nedda Massar, Deputy Executive Director of the Board of Ethics, conducted an ethics training for members of City boards and commissions. She noted there are different guidelines for advisory boards such as the SWRAC. The training familiarized SWRAC members with relevant state and local laws, the Board of Ethics, and what to do if they have a conflict of interest. Topics were:

- Limits to political contributions
- Laws
- Conflicts and what to do about them
- Political activity
- Gifts
- Post-employment rules in City Code

Appointed SWRAC members are required to fill out the City's financial disclosure form by May 1st each year. The report can be found online at www.phila.gov/ethicsboard. Advisory opinions issued by the Board are also available on their website.

Adjournment: The meeting was adjourned at approximately 5:10 pm.