

CITY COUNCIL
CITY OF NEW YORK

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TRANSCRIPT OF THE MINUTES

Of the

COMMITTEE ON SANITATION AND SOLID WASTE MANAGEMENT

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HELD AT: 250 Broadway - Committee Rm.
14th Fl.

B E F O R E: ANTONIO REYNOSO
Chairperson

COUNCIL MEMBERS: Fernando Cabrera
Chaim M. Deutsch
Rafael L. Espinal, Jr.
Paul A. Vallone

A P P E A R A N C E S (CONTINUED)

Samantha MacBride, Director, Research & Operations
Bureau of Recycling and Sustainability
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Greg Anderson, Chief of Staff
Bureau of Recycling and Sustainability
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Bureau of Recycling and Sustainability
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Anna Champeny, Director of City Studies
Citizen's Budget Commission

1 COMMITTEE ON SANITATION AND SOLID WASTE MANAGEMENT

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2 [sound check] [pause] [gavel]

3 CHAIRPERSON REYNOSO: Good morning.

4 [coughs] I am Council Member Antonio Reynoso, the
5 Chair of the Committee on Sanitation and Solid Waste
6 Management. Thank you for attending this oversight
7 hearing on the 2017 Waste Characterization Study. We
8 will also hear two preconsidered bills today
9 sponsored by Council Member Matteo. The first will
10 raise penalties for littering from a vehicle and the
11 second one will mandate the Department of Sanitation
12 to create a plan to increase enforcement of littering
13 out of vehicles. The 2017 Waste Characterization
14 Study found that we in this city are creating less
15 garbage, both the amount of waste generated and the
16 amount of waste collected for the landfill bound
17 waste stream, wetdown between 2005 and 2017 all while
18 the population of the city grew from 8.2 million to
19 over 8.5 million. We need to continue this trend of
20 creating less waste. Getting to zero waste in New
21 York City is an important and extremely ambitious
22 goal. To accomplish this, New Yorkers need to have
23 an easy access to an interest in—and an interest in
24 recycling. DSNY has been working to educate the
25 public, but we need to do more to promote good

2 recycling habits. It is clear from the study that
3 one of our largest opportunities to divert materials
4 from landfill is composting. I'm looking forward to
5 learning DSNY's plan on how they would engage and
6 support the public moving forward specifically in the
7 collection of recycling and organics material. I
8 greatly appreciate DSNY's hard work, but there is
9 still so much work left to do, and the opportunity to
10 do better if we hope to achieve the goal of diverting
11 zero waste to landfill by 2030 or diverting 100% of
12 the waste to that. It is my position that this can
13 only be achieved through bold measures such as
14 commercial waste zones, savings with throw systems
15 and banning materials that cannot be diverted from
16 landfill. I look forward to hearing testimony from
17 DSNY, environmental advocates and other interested
18 groups about the experience with the city's efforts
19 to reduce waste there--waste and any advice that they
20 have--[coughs] on how we could do--be doing more. I
21 will turn it over to the panel in a couple of
22 seconds. I also want to acknowledge that we've been
23 joined by Council Member Vallone from Queens. Thank
24 you for being here, and recent news that plastic bags
25 are going to get banned by the state. I know you

2 guys are excited about that. You can comment on it if
3 you want. I'm really excited about today's Waste
4 Characterization Study I'm hearing because we're
5 finally—we're going to dive into the details on
6 exactly what we're throwing out, and I also just want
7 to mention it wasn't in my notes. There was an
8 agreement that there would also be a waste
9 characterization study for like the private carting
10 industry. So, I just want to start that conversation
11 over to make sure that we can follow through on that,
12 and there was an agreement made under the SWAMP plan
13 I believe. So, I just want to make sure that that
14 was also something we could address in your comments.
15 Outside of that, I want to allow for Gregory
16 Anderson, Katherine Kitchener and Samantha MacBride
17 to begin their testimony from the Department of
18 Sanitation. Thank you. [background comments] Oh,
19 and we just have to swear you in.

20 LEGAL COUNSEL: Please raise your right
21 hands. Do you affirm to tell the truth, the whole
22 truth and nothing but the truth in your testimony
23 today, and to answer Council Member questions
24 honestly?

25 SAMANTHA MACBRIDE: I do.

2 LEGAL COUNSEL: Thank you.

3 CHAIRPERSON REYNOSO: Thank you.

4 SAMANTHA MACBRIDE: Good morning

5 Councilman Reynoso and members of the Committee on
6 Sanitation and Solid Waste. I'm Samantha MacBride,
7 Director of Research and Operations for the Bureau of
8 Recycling and Sustainability, and I'm joined by Greg
9 Anderson who's the Chief of Staff and Katherine
10 Kitchener who is the Director of Policy and Programs
11 for the Bureau of Recycling and Sustainability.

12 We're pleased to be here this morning on behalf of
13 the department to present the results of our most
14 recent Citywide Waste Characterization Study
15 officially known as the 2017 Residential, School and
16 NYCHA Waste Characterization Study. This study was
17 conducted pursuant to Local Law 40 of 2010, and I'd
18 like to call your attention to the screen to begin
19 our presentation. [pause] The department conducted
20 the study over three seasons during the spring,
21 summer and fall in 2017. Our method involved
22 randomly selecting over 800 different refuse,
23 recycling and organic truck routes to ensure that our
24 results were statistically representative of
25 residential waste throughout the entire city

2 including each of the five boroughs. We also
3 randomly selected school collection routs and New
4 York City Housing Authority or NYCHA container routes
5 for sampling. All of these routes were collected in
6 a standard fashion without ford knowledge of our
7 Sanitation crews. Using truck numbers, we then
8 identified sample trucks with study posters at the
9 garage so that they would be easily identified when
10 they went to discharge their loads at transfer
11 stations and recycling vendors as shown here in this
12 photo. At those sites we took samples of 100 to 200
13 pounds from loads on the tipping floor. These
14 samples were labeled and then brought to an enclosed
15 facility at Fresh Kills, Staten Island for sorting
16 and quantification. Each sample was emptied onto a
17 sort table and then hand sorted by trained workers
18 into 70 main sort categories as well as an additional
19 172 subcategories. This was done by meticulously
20 inspecting waste contents and separating them into
21 labeled buckets around the sort table, and its
22 subsort tables elsewhere in the facility. Each
23 bucket was weighed and the net weight of the contents
24 was recorded as a data point under strict quality
25 control. Using this method, we gained a detailed

2 understanding of the variety of products and
3 materials in New York City's residential school and
4 NYCHA waste streams. Our study builds on decades of
5 research and analysis in the evolving composition of
6 the department managed solid waste stream by
7 providing statistics on the types of materials
8 collected and diverted from the waste stream in New
9 York City, what changes New York—what changes in—have
10 taken place in what New Yorkers buy and use everyday,
11 and the study also highlights opportunities for the
12 department to develop and grow programs to meet our
13 goal of sending zero waste to landfills by 2030. The
14 2017 Waste Characterization Study was the first
15 comprehensive look at the waste stream since 2013 and
16 it follows a similar study done in 2005. We used and
17 industry standard methodology that entailed random
18 sampling of over 800 truck routes as described
19 earlier to ensure statistically represented results
20 for residential curbside collections in all boroughs,
21 and to look at changes over time. For the first time
22 we also characterized curbside organics in those
23 areas that were receiving service at the time of the
24 study, and as mentioned before, we also looked at the
25 composition of school waste and NYCHA refuse. I'll

2 be detailing some of the study results in the slides
3 to follow, but to start, some of the most important
4 findings from the study, as shown in this pie chart
5 here tell us that New Yorkers are producing less
6 waste at home than ever before, and 68% of what we do
7 throw away belongs either in a curbside recycling bin
8 34% or an organics bin. Organics including food
9 scraps, food soiled paper and yard waste are the
10 largest single category and still growing category of
11 waste representing the biggest opportunity for New
12 Yorkers to divert waste from landfills. New York—
13 sorry, DSNY currently offers special programs to
14 target much of an additional 9% as shown here that is
15 readily diverted through other means. We are proud
16 of our programs to keep textiles, harmful household
17 products and electronic waste out of disposed refuse.
18 With regard to electronic waste there is particularly
19 encouraging news. New York State implemented an
20 electronic waste disposal ban in 2015 and since 2012
21 actually New York's DSNY has launched and facilitated
22 a wide array of programs to make electronics
23 recycling convenient for residents. As a result,
24 electronic waste has declined by 60% citywide. Now,
25 onto some more detailed findings. As mentioned

1 before, our waste stream is diminishing. Over the
2 past decade, the overall weight of both refuse and
3 recycling in curbside collections has declined even
4 as the number of New Yorkers has grown. The drops
5 are most marked for refuse. For recycling, we saw a
6 [coughs] decline between 2005 and 2013, but since
7 then both paper recycling, which includes different
8 types of paper and cardboard and what we call NGP
9 recycling, which includes metal, glass containers,
10 and rigid plastics and beverage cartons have actually
11 increased. Now, before we proceed, a word about
12 measurement. In our results, we present quantities
13 in terms of pounds per household per year to show how
14 the overall waste stream is changing. We also
15 present captured, which are the ratio of how much New
16 Yorkers actually recycle to how much total recyclable
17 material is in the curbside waste stream, how much is
18 out there to be recycled, if you will. To illustrate
19 the relative share between material and the waste
20 stream, we use percent composition. Each of these
21 statistics should be considered independently from
22 each other, but combined they paint a picture of what
23 is going on with recycling and refuse in New York
24 City. If we examine the materials that make up
25

1 residential curbside recyclables over time, we see
2 some marked changes. Let's start here with paper and
3 cardboard. The bars show the total amount of each
4 type of paper in the residential curbside waste
5 stream. Cardboard collections have increased steadily
6 over the last three studies while the quantity of
7 newspaper has fallen dramatically over time. Mixed
8 low grade paper including junk mail, smooth cardboard
9 and colored paper has fallen as well although not as
10 sharply. These shifts reflect changes that we all
11 experience. There is less use of printed material
12 and more online ordering, which results in more
13 corrugated cardboard. Looking at these changes we
14 observed trends in production and consumption that
15 ultimately determined what ends up in waste. In
16 addition, we see that the capture rate for corrugated
17 cardboard is the highest of all paper recyclables.
18 It's 79% meaning that out of all corrugated cardboard
19 that residents discard, 79% makes it correctly into
20 the recycling bin. Capture rates for newspaper and
21 mixed low-grade paper were lower. Moving onto
22 metals, we see that some metal categories like large
23 or bulk items, steel cans and other metal have
24 diminished over time while aluminum cans and other
25

2 items have slightly increased. At the same time, we
3 see that capture rates for aluminum products are
4 lower than for other metals. The aluminum can, one
5 of the most iconic recycling-recyclable products has
6 a capture rate of just 30%. This is likely due to
7 frequent canning cans bearing a 5 cent deposit.

8 Aluminum foil and other containers have an even lower
9 capture rate of 15%. This may be due to the tendency
10 of aluminum foil to be food soiled when discarded.

11 The situation around plastics is more complex due to
12 the immense variety of these lightweight materials.

13 In this slide, I show categories of plastics we
14 accept in our recycling program. In 2013, in order
15 to make recycling more easy and convenient, the city
16 expanded curbside recycling to accept all rigid

17 plastics. This change took place shortly after the
18 last study, the 2013 study had been completed. We

19 see increases in the amount of material recycled
20 across all types of plastics, but the increases are
21 largest for the newly added groups: Bulky rigid

22 plastics and appliances, single use plastic plates,

23 cups and cutlery and rigid packaging like yogurt tubs
24 and deli trays. Turning to other recyclables, we see

25 the glass containers are declining overall in waste.

1 Today, the average New Yorker discards 15 fewer
2 pounds per household per year of glass bottles and
3 jugs than they did in 2005, and capture rates are
4 holding steady at around 63%. Sorry about that. We
5 collect beverage cartons and aseptic boxes with our
6 comingled metal glass and plastic recycling for
7 processing and marketing reasons. We see that this
8 form of packaging is declining in discards overall as
9 well down from a little over 11 pounds per household
10 per year to a little over 7 today. About 8% of all
11 beverage cartons are incorrectly included with paper
12 recycling, and the capture rate for them in NGP
13 recycling is a little over 34%. Overall, we can look
14 at average capture rates for both of our recycling
15 streams, which average out to around 50%. We've seen
16 improvements in this rate over time, which compares
17 favorably to multi-unit capture rates studied in
18 other cities throughout the United States. Capture
19 Rate is one measure of recycling success. Another is
20 contamination rate, the wrong thing in the recycling.
21 Here we see that in residential metal, glass and
22 plastic collections, the contamination rate is nearly
23 20% and has fallen from almost 27% in 2013. For
24 paper recycling, the contamination rate is up
25

1 slightly to almost 9%. Note that in both collections
2 contamination includes cross-recycling. That means
3 putting paper in the NGP and vice versa. Film
4 plastics such as bags and wraps also make up a
5 substantial portion of contamination. Our study
6 sampled curbside organics collections from districts
7 that had service rolled out to them at the time of
8 the study, which was at that time 20 out of 59
9 districts. Because this program is so new, and is
10 not yet implemented citywide, our organics
11 collections are small, but they're growing, and for
12 this reason we don't show per household pounds per
13 year because not all households are covered. The
14 good news that these collections are relatively clean
15 showing about 7% contamination. We also note that a
16 present curbside organics contain more yard waste
17 than food waste, but as time goes by, and the program
18 coverage expands, we expect to see the food waste
19 percentage increase. Speaking of good news, I'd like
20 to draw your attention to electronic waste or E-
21 waste. Starting on January 1, 2015, New York State
22 Law prohibited the disposal of E-waste in refuse
23 collections. Well before this date, however, the
24 department had launched a number of program including
25

2 apartment programs, drop-off sites and events and
3 starting in 2016 in Staten Island and in 2017 in
4 North Brooklyn, on-demand curbside pickup to make
5 recycling of electronics convenient. These programs
6 were funded in part by an electronics producer under
7 State Extender Producer Responsibility Programs, and
8 private company that supplemented outlets with take-
9 back and mail back options of their own. We see a
10 substantial decline in E-waste between 2013 and 2017,
11 from nearly 17 pounds a year to a little over five
12 pounds a year today per New York City household. I'd
13 like to close now with a brief review of the other
14 two waste streams we looked at. The first is school
15 waste. We characterized refuse and recycling setouts
16 of schools that are not yet participating in the
17 schools' organics program so that we could get a
18 baseline understanding of the total composition of
19 school waste. What we found is that in aggregate
20 waste from schools, which is the sum total of refuse
21 and recycling contains roughly the same percentage of
22 recyclables as residential waste, but far more
23 compostable organics than new residential
24 collections. We also found that while paper
25 recycling capture rates in schools were close to

2 residential capture rates, NGP capture rates for
3 schools were far lower. In addition, paper and NGP
4 recycling collections from schools are much more
5 contaminated. In the case of NGP, this contamination
6 rate is quite high and composed mainly of compostable
7 organics that are improperly placed in the recycling
8 bin for schools' metal, glass and plastic. Finally,
9 some highlights from our characterization of NYCHA
10 refuse. As of now, curbside recycling collections
11 from NYCHA properties are extremely low in tonnage.
12 The vast majority of NYCHA discards are in the form
13 of refuse. If we look at the composition of this
14 refuse, it looks a lot like the composition of
15 residential discards in total. What this tells us is
16 that there is enormous room to grow curbside
17 recycling programs at NYCHA so as to capture and to
18 divert paper, NGP and ultimately compostable
19 organics. In this presentation, I only scratched the
20 surface of the detail on the many categories and
21 subcategories, which number in the hundreds, which we
22 measured in this study. We have published the data
23 in easily accessible Excel files that allow the
24 public to look in-depth at different products and
25 materials and discards, make their own calculations

2 and draw their own conclusions. You can download the
3 full report and associated documents along with the
4 Excel files at the DSNY website. I'll now separately
5 turn briefly to the two preconsidered bills on the
6 agenda today. The first bill increase the fines
7 imposed for littering from a motor vehicle and the
8 second bill requires the Commissioner to issue a
9 report to the Mayor and Council regarding how the
10 department can increase enforcement of this
11 infraction. The department supports efforts to
12 discourage littering including through increased
13 enforcement and higher penalties, and we thank the
14 Council for its support as we work to keep New York
15 City healthy, safe and clean. This concludes our
16 presentation this morning. Thank you for providing
17 us the opportunity to share with you the results of
18 this study at this hearing today, and we now welcome
19 your questions.

20 CHAIRPERSON REYNOSO: Than you for that
21 presentation. Just want to acknowledge we've been
22 joined by Council Member Espinal as well from
23 Brooklyn, my neighbor. Okay, I'm good. So, I want
24 to get to something that—that is important. The 23%
25 other in the slide—in page 6, can we just go to page

1
2 6. We're going to try our best to do slides and
3 questions at the same time. Yeah. So, the 23% other
4 if we're going to get to zero waste, we need to pay
5 attention to things that the Waste Characterization
6 Study designates as other, which includes materials
7 for waste. There are no or very limited options for
8 beneficial-beneficial use at this time. Can you talk
9 about what you're going to do to make these items
10 divertible or limit their use, and what I have here,
11 and you let me know if I'm-I'm around the right area,
12 small scale building and material scrap, furniture
13 and household wood products, treated wood and lumber,
14 carpeting, various plastic foam, flexible and foam
15 products, multi-material items, disposable diapers,
16 and animal bi-products. But if-if we-how can we ever
17 get to zero if this 23% is always going to be other?
18 What are your plans?

19 SAMANTHA MACBRIDE: [coughs] So, a
20 number of the products C&D waste, carpet, furniture,
21 have alternative uses before disposal. So, one of
22 the things that we have currently is the Donate NYC
23 Program, which encourages residents to donate these
24 materials before disposal. We have partners, for
25 example, Big Reuse that construction demolition

2 debris and resell it and it gets a second life. In
3 addition to that, things like carpet also have a
4 potential for extended producer responsibility
5 legislation. So, we're focusing on those areas of
6 things that there are solutions for. Okay, so, I
7 guess I want to dive deeper into this—into the
8 center. You—you generally did give us some—some
9 options. I tell you and I—I do this all the time,
10 there is no one in the general public outside of the
11 people in this room and the people here that know
12 anything about what you're talking about going to
13 Donate NYC and so forth, it's just not something that
14 people are aware of. What is DSNY doing to—to I
15 guess educate or inform the public of options that
16 they have so that they don't put carpeting and—and
17 chilli wood and lumber and household furniture
18 products into the waste stream, but instead go to
19 Donate NYC or figure out more alternatives.

20 GREG ANDERSON: So, I think there—there
21 are a few answers here. The first is—is obviously
22 we—we can do more and—and we've tried to do more
23 education about what New Yorkers can do with regard
24 to donate. On an annual basis we—our Donate NYC
25 partners collected about 50 million pounds of

2 material for reuse. That's furniture, clothing, CND
3 items, a whole range of products. So, we're doing a
4 lot there already. We—we definitely can do more on
5 education, but there's a big policy perspective here.
6 We have things in here about 1% of that number is
7 foam products. I think that, you know, we—we have
8 said twice now that foam products are not recyclable,
9 are never going to be recyclable and, you know, we
10 don't think they have a place in our waste stream.
11 We don't think they have a place in our lives. There
12 are recyclable, compostable, reusable alternatives
13 and we want to focus on pushing people toward those
14 alternative. We want to support a ban on-on foam
15 products. That's an easy step we can take. So, I
16 think it's—it's things like that. There are harder
17 decisions down the road. Obviously, you know, some
18 of these items are—are things like pet waste. We
19 don't have a great solution for pet waste right now.
20 There's things like diapers and sanitary products.
21 We don't have great solutions for those right now,
22 but I think rather than focus on those things, which
23 are 2% of the—the pie, and don't necessarily have
24 great alternatives, let's focus on the 34%, which is
25 residential curbside recyclables of which we're

2 currently collecting half. So, I think we can get a
3 lot more bang for our buck by focusing on those
4 things, things like textiles, which make up 6% hugely
5 right for reuse recycling and, you know, I think
6 where we have a lot of-of good service to tell New
7 Yorkers.

8 CHAIRPERSON REYNOSO: Yeah and—and I
9 agree we—we could focus on the things that we're
10 doing better, but I—I don't believe—I believe we need
11 to stay focused on getting to zero waste by 2030, and
12 if we're going to take that serious then we need to
13 start talking about polystyrene and—and getting rid
14 of foam from our waste stream, and talk about what we
15 need—a plan for each and every one of these things
16 that are part of the 23%. They shouldn't be—it's
17 parallel all of it, and I agree that it is a policy
18 question, and we need to continue to have that.
19 Hopefully, the numbers here of the Sanitation
20 Committee will hear your plea to ban foam or
21 styrofoam, and we can finally get that done, and—and
22 we move to products again that are—are recyclable,
23 that we can actually get that divert. Then you talk
24 about the—the 34% of curbside recyclables of which we
25 seem to be capturing—capturing about 50%. Would you

2 tell—you mentioned canners. Can you explain what
3 canners are and what—and is there anything that you
4 believe can capture what they're recycling because
5 the canners are actually, you know, they're—they're
6 sending the—the trash to space. So, where is that—
7 where is that going, and can you just explain that?

8 SAMANTHA MACBRIDE: Well, by canners, I
9 mean the individual who takes it upon his or herself
10 to redeem a container, and I agree with you it's not
11 going to space, it's—it's recycling. It's diversion.
12 At the moment, we do receive reports from two of the
13 major deposit container redeemers in New York City at
14 the end of every fiscal year, and we add in those
15 tonnages to our overall assessment of diversion and
16 how it's going. But that's voluntarily provided and
17 it's incomplete. Unfortunately, as you know, it's a
18 state law, deposit redemption, and New York State
19 does not track tonnages, and report tonnages for
20 deposit—for redeemed containers. That would be the
21 way. They used to. That would be the way for us to
22 measure that.

23 CHAIRPERSON REYNOSO: So, can—who are the
24 two canning I guess locations that report to you.

25 SAMANTHA MACBRIDE: The two redeemers?

2 CHAIRPERSON REYNOSO: The two redeemers.
3 Thank you.

4 SAMANTHA MACBRIDE: The two redeemers are
5 Envipco and Tomra. They are big consolidated
6 redeemers.

7 CHAIRPERSON REYNOSO: And I guess they
8 own those machines where you put the cans and the
9 glass in?

10 SAMANTHA MACBRIDE: I would need to bone
11 up on the details of exactly their—their business
12 model, but they are the ones that supply us
13 voluntarily with the tonnages that they redeem in New
14 York City per se.

15 CHAIRPERSON REYNOSO: Okay. So, I know
16 we can can't change the 5% deposit or get rid of it
17 or do any of that in the city, but can we mandate
18 that these—if you're doing business in the city and
19 you're collecting metal or glass that you report to
20 the Department of Sanitation? Is that something that
21 within our program?

22 GREG ANDERSON: We could look at the
23 specifics of the state law, but I believe that we are
24 preempted from—from acting on this in the same way
25 that state law preempts us from local enforcement or

2 reporting responsibilities for other types of
3 producer responsibility and recycling, plastic bag
4 recycling. For example, we are prohibited from
5 enforcing the law in New York City or collecting any
6 data from participating retailers.

7 CHAIRPERSON REYNOSO: Okay, thank you for
8 that. So, I will—I'll try to get that up to the
9 state some way. The government is really hot right
10 now. So, we might want to take advantage of this.
11 We've only got a couple of months left. So, we—we
12 got to get the ball rolling. [laughter/background
13 comments] So, that's—that's good to know that the
14 canners are someone, you know, a lot of folks it's a
15 very hard issue to tackle here. We know it's a legal
16 action to pick up curbside. Once it's on the curb it
17 belongs to the city of New York right. So, can you
18 explain that as well?

19 GREG ANDERSON: So, just to clarify it
20 is—it is not illegal to be a canner walking around
21 with a bag or in a shopping cart. It is technically
22 illegal under city law, a law that was passed by the
23 Council in 2012 to collect those products with a
24 motor vehicle. It's also illegal to take things like
25 refrigerators, like stoves, air conditioners, and

2 other large bulky metal appliances that are set out
3 for collection, and of particular concern there is-is
4 things that contain CFCs. We have a program turned
5 into those CFCs-CFCs safely, and want to make sure
6 that's happening and that the products are also being
7 recycled.

8 CHAIRPERSON REYNOSO: So, the individual
9 canners that are on the sidewalk and they collect
10 cans that is legal to do?

11 GREG ANDERSON: That is-it is not
12 explicitly illegal under city law.

13 CHAIRPERSON REYNOSO: Can you repeat
14 that?

15 GREG ANDERSON: It-it is not illegal
16 under city law that the department does not oppose
17 that-that action. Obviously, you know, we-we're
18 sending trucks out to pick up that material. So, so
19 we would love to have that and be able to put in our-
20 our nice pie charts, but, you know, we-we have no
21 issue with that practice continuing because we-we
22 know that that material is getting recycled. So--

23 CHAIRPERSON REYNOSO: [interposing] Okay,
24 I see.

2 GREG ANDERSON: --but we would love to be
3 able to keep track of--of how much material they're
4 collecting and really be able to take credit for the
5 great work that New York is doing.

6 CHAIRPERSON REYNOSO: I appreciate it.
7 So, I appreciate that then. You know, there's no
8 enforcement happening to these canners that are
9 traditionally poor people that are just walking
10 through trying to make--trying to make some--literally
11 survive and make a--and make a lot of time here. So,
12 but I do agree that we need to get this into the
13 Waste Characterization Study. Also, other cities
14 [bell] we--we hear a lot about all these great cities
15 that are doing 50 and 60 and 80 and 90% and the city
16 of New York is at what? 18, 19%. Could we explain
17 that to folks? I always like to have a--like an
18 educational component to exactly why we're not doing
19 the numbers that what San Francisco and maybe Seattle
20 is doing? These other progressive cities?

21 GREG ANDERSON: So, Samantha MacBride is
22 going to answer here, but before she does I want to
23 note that she is actually one of the nation's leading
24 experts on this--this area, and has studied the
25 differences between cities for probably several

2 decades at this point. So, she is more than
3 qualified to—to set the record straight here.

4 CHAIRPERSON REYNOSO: Well, I'm happy to
5 have an expert that's going to do that and, you know,
6 a lot of these folks that are going to make comments
7 after you leave are all going to say this. So, I
8 wanted them to cut this out of their testimony after
9 you speak. [laughter] So, go ahead for that.

10 SAMANTHA MACBRIDE: The first thing to
11 bear in mind is that when we—we talk about our
12 diversion rate of 17% in New York City we're talking
13 just about our residential DSNY collected diversion
14 rate. Many other cities are looking at combined
15 residential and commercial diversion. Moreover, many
16 other cities are also including construction and
17 demolition debris diversion, and the rates of
18 recycling in that sector are far higher. If we did
19 that equivalent calculation based on sort of the best
20 estimate that we have of commercial recycling, our
21 diversion rate would be about 55%, right. So, when—
22 that's not something that we publish because that is
23 not the way that we present diversion statistics in
24 New York City, and there's a long history connected
25 with that, but when you want to compare rates such as

2 San Francisco to New York City that is really the
3 type of rate that you should be looking at. Another
4 aspect that I would just like to point out. Is if
5 you look at the diversion rate of let's say Seattle,
6 which is a city that unlike San Francisco is
7 extremely transparent like New York City is on their
8 data. Their diversion rate is about 60% per combined
9 commercial and residential. If we look at the pie
10 chart up there, and we see that 68% of the
11 residential waste stream is either traditional
12 recyclables, paper, metal, glass and plastic or
13 organics, we start to get a sense of what that 60% is
14 reflecting. So, very mature recycling programs and
15 organics programs plus additional programs to pull
16 thing like E-waste, textiles, furniture and things
17 like that out-out of the waste stream, can get a city
18 to 60% diversion, and if you look at Portland, Oregon
19 for example, they have a similar 60% rate. So, in my
20 studies of these—of these rates across the country I
21 have come to the conclusion that as of today in 2018
22 a 60% diversion rate is pretty much state-of-the art
23 if you're not looking at construction demolition
24 debris. This does not mean that we cannot reduce
25 waste further, but to me that's a more useful

2 comparison than, for example, Seattle. I'm sorry,
3 San Francisco is the 80%. I could go on further
4 about this and I could actually talk about this for
5 hours. I—I will finally point out that there is a
6 lot of work that's being done in the federal and
7 state waste measurement community to start to become
8 much more specific, clear, transparent and comparable
9 about these statistics so that we can do exactly what
10 you're talking about, which is to get over saying San
11 Francisco diverts 80%; New York diverts 17% and think
12 that that is a realistic comparison because frankly,
13 most cities find that problematic. So, I'll stop
14 here, but I could talk for hours about this.

15 CHAIRPERSON REYNOSO: Yeah, we might have
16 a hearing just on that.

17 SAMANTHA MACBRIDE: Okay.

18 CHAIRPERSON REYNOSO: I knew that San
19 Francisco is—is—is known to—to put asterisks
20 alongside a lot of its goals and accomplishments. We
21 know it Barry Bonds and now [laughter] and now
22 obviously with how they measure their trash. I really
23 appreciate you saying that because this happens every
24 single time we have a meeting on diversion that we
25 have testimony coming from folks that just—just flare

2 up and say, you know, we are terrible. There's 50,
3 60, 70, 80%, and I just want to put in perspective
4 while we might not be where we want to be, and there's
5 always a place for improvement, those numbers don't
6 necessarily tell the full story. So, the diversion
7 rates are set to—so actually been—we've been joined
8 by Council Member Chaim Deutsch as well from
9 Brooklyn. So, all the Brooklyn members are here
10 representing and I want to allow for my colleagues to
11 ask questions because they also have other
12 engagements that they need to attend, and I want to
13 make sure that they can make those. So, I want to
14 call on Council Member Espinal.

15 COUNCIL MEMBER ESPINAL: Thank you, Mr.
16 Chair. So, I'm doing a lot of catching up and
17 learning how—how DSNY interacts with our city outside
18 of our homes. So, I've been focusing a lot on—on
19 plastics in general, and one of the concerns I'm
20 hearing in my district or probably even citywide is
21 the amount of plastic that our schools produce when
22 it comes to the cutlery they use, right. Is there
23 any plan by DSNY to kind of work with our school
24 system to cut down on the use of plastic?

2 SAMANTHA MACBRIDE: Yeah, actually a
3 couple of years ago, the entire school system
4 switched from foam to compostable trays. So, that
5 was a huge impact. It's about a million trays a day.
6 So, a very large impact there, and in addition, and
7 this is really a DOE question, not a DSNY question,
8 but the DOE is also looking to replace all of their
9 plastic cutlery with compostable cutlery this fall.

10 COUNCIL MEMBER ESPINAL: Oh, that's
11 amazing. Thank you. How-how big of a problem is-
12 alright sorry. What about the plastic bags, right,
13 not-not the bag, not the-not the carryout bags, but
14 just bags in general what we-what we wrap our trash
15 in, how big of a problem is-are those bag to our
16 waste stream and to our landfills, if at all?

17 GREG ANDERSON: So, I think for those
18 for-you're talking about garbage bags and actually
19 the recyclables?

20 COUNCIL MEMBER ESPINAL: [interposing]
21 Garbage bags and the actual bags, clear, blue, black.

22 GREG ANDERSON: Yeah. So, I think we
23 wouldn't necessarily call them a problem. We see
24 them as a necessary evil, and we are a-a very dense
25 city, and we-we put our garbage out on the curb in

2 bags. There's, you know, we're not the type of city
3 that can—can use the fancy automated carts because we
4 love our, you know, we love having the ability to
5 park, and those two things just—just can't work
6 together. So, we see bags as a necessary evil. We
7 have the—the infrastructure in place at our recycling
8 facilities to be able to manage them and take them
9 out. I think our recycling vendor vendors and one of
10 them is sitting right in the front row there smiling.
11 I think he would agree that if we could get to a
12 bagless recycling system, which many other cities
13 have, it would probably make his life easier, and I
14 think Sims would agree, but we've—we've designed a
15 system that can accommodate them, but we don't—we
16 don't want to encourage New Yorkers to use more bags
17 than they're already using.

18 COUNCIL MEMBER ESPINAL: Are New Yorkers
19 able to recycle without using a bag?

20 GREG ANDERSON: Absolutely.

21 COUNCIL MEMBER ESPINAL: Aluminums and
22 plastics?

23 GREG ANDERSON: If—if you have a bin
24 either—some—some folks out there still actually have
25 the original curbside recycling bin from the early

2 90s. Others have something you can buy at a-at a
3 local hardware store. You can get a sticker from us
4 for paper or NGP or even just write on there with a
5 permanent marker, and we'll collect it without a bag
6 as well.

7 COUNCIL MEMBER ESPINAL: Alright, great.

8 Thank you. So, yeah. So, you can separate your
9 metal, glass and plastic without a bag, without bags.
10 You can just throw it in a bin and then put it out if
11 you are in a-one time at your home let's say, and
12 then the organics could go in your brown bin without
13 a bag as well, and then already you might have only
14 less than 30% of your trash left over, which are like
15 diapers and furniture waste and I-I actually did one
16 for like about a week, and I had like less than 5%.
17 I have diapers now. There's no way to get around
18 diapers, [mic feedback] but outside of that there
19 was-there was very little trash left over. We have a
20 feedback. Can you guys turn off your mics for a-a-let
21 me see. One, two, alright, we have one-yeah, we can.
22 They're very sensitive today. So, I want to speak
23 to-to-can you-can you get into explaining how we are-
24 there's less trash in the system overall, and there's

2 more people. How do-how do we accomplish that?

3 What-what-what can we attribute that to?

4 SAMANTHA MACBRIDE: There are many
5 reasons for it. One of them is just the changing
6 nature of our waste stream. I mentioned the decline
7 in the paper. We're all aware of that. We all see
8 that. That is somewhat counteractive by the
9 increasing corrugated cardboard, but another trend
10 that has been happening for a long time, and is
11 really gathering speed is the substitution of
12 lightweight plastics for glass and for heavier
13 plastics. So, light weighting is a trend that is
14 taking place in products, and we're seeing the
15 results of that in the waste stream. So, that's part
16 of it. Another part of it is increases in recycling
17 in donation, in reuse. Some if-if-if we're looking
18 at curbside collections we can directly measure
19 those. If we're looking at other forms of diversion,
20 we only have partial knowledge of it. There are no
21 doubt additional trends that we think are going on
22 but we cannot measure at all such as increased
23 donation of-or resale of items on eBay or Craigslist
24 or things like that. So, it's what you would call
25 multi-determined. There are a number of different

1 factors that go into making a lighter weight waste
2 stream. Some of them may also be a growing
3 environmental awareness, and a desire to consume
4 less. It's hard to quantify that.

6 CHAIRPERSON REYNOSO: Okay, so, the
7 extended producer responsibility, which we know—we
8 know a lot of and I always get a vendor that comes to
9 me and says, there's a certain amount of weight that
10 you have to buy back I guess or you have to take
11 responsibility for as a vendor especially in
12 electronic waste, and you mentioned the fact that,
13 you know, in the 1990s and the 2000s when we had
14 computers we had these big screens that are extremely
15 heavy and now we have these light flat screens. So,
16 for five of these flat screens you could—you submit
17 one big screen, it's the equivalent of submitting
18 five. So, they're really not doing their job when it
19 comes to producer responsibility I guess. Do we
20 modify what that looks like? Is that the rule
21 through law? Who's responsible for that? Is it the
22 federal government, the state government, are we
23 responsible for it, and if so, why haven't we
24 modified it to be more reflective of—of what we're
25 actually purchasing now?

2 SAMANTHA MACBRIDE: So, I think you're
3 speaking about the New York State E-Waste Law, and
4 the way that the manufacturers' responsibility is
5 calculated, and so it's a state law. We've actually
6 been waiting on the state to issue regulations for
7 over five years now. So, hopefully that will happen
8 soon, but that would have to be a legislative change
9 to the state law.

10 CHAIRPERSON REYNOSO: So, so now this is
11 their responsibility I guess is what we're going to
12 extend the producer responsibility or EPR of plastic
13 bags and a five cent fee are all things responsible—
14 the state is responsible for that we're kind of
15 waiting on so that we can start getting to more
16 diversion or better diversion are all that could—that
17 have value. Is that a potential perspective for
18 people? Who's responsible for what because I go to a
19 lot of those meetings, and I don't understand
20 necessarily why people are meeting with me. They
21 should be meeting with the state reps. I also want
22 to allow for just a quick question from Council
23 Member Chaim Deutsch.

24 COUNCIL MEMBER DEUTSCH: Thank you.
25 Thank you very much. So, today's goal we're hearing

2 to amend the Administrative Codes in relation to
3 people littering out of their vehicles. I haven't
4 seen in your testimony—do you support this bill?

5 GREG ANDERSON: Yes, we do.

6 COUNCIL MEMBER DEUTSCH: You do?

7 GREG ANDERSON: Both of us.

8 COUNCIL MEMBER DEUTSCH: So, can you
9 explain how your—how your officers enforce this—this
10 law of people littering out of their vehicle? Can
11 you just give me an example of how someone would be
12 throwing trash out, and how your officers—enforcement
13 officers would then stop them and issue a summons?

14 GREG ANDERSON: Sure. So, and just to—to
15 clarify if I have at the start, there are two
16 different provisions under the Sanitation Ad Code
17 that apply to littering. The first is 16.118(1)
18 which is standard littering. That's, you know,
19 walking down the sidewalk and—and just throwing a cop
20 on the ground. What we're talking about here would
21 modify 16.118(4) which is specifically material
22 coming from a moving vehicle. So, it can be
23 littering. There's also we can issue violations for
24 spillage from private garbage truck, spillage from
25 other types of trucks like dump trucks, et cetera,

2 but specifically for littering from a moving vehicle
3 it's a very difficult violation to issue. Especially
4 for Sanitation. We have to do two things. (1)
5 witness the violation occurring and (2) actually pull
6 over the car in order to serve the violation. So,
7 it's—it's not something that we can do easily. We
8 only have about 50 Sanitation police officers
9 citywide, and they're focused on other important
10 things like illegal dumping. So, it's a—a tradeoff
11 of—of concerns. The Police Department can also issue
12 violations under this code, and I think if—if the—
13 the—these bills were to pass, I think we would sit
14 down with them and talk about how we could leverage
15 their resources as well.

16 COUNCIL MEMBER DEUTSCH: You mentioned
17 moving vehicles. What happens if the vehicle is not
18 moving? They're just parked and they throw their
19 trash out the window?

20 GREG ANDERSON: It would probably be
21 easier for us to issue the violation. It—the vehicle
22 doesn't have to be physically moving just a, you
23 know, a motor vehicle.

2 COUNCIL MEMBER DEUTSCH: So, anyone
3 sitting in the vehicle whether it's moving or parked
4 so this bill would--so this would apply to both--

5 GREG ANDERSON: That's correct.

6 COUNCIL MEMBER DEUTSCH: --anyone looking
7 out. So, you have 50 Sanitation Enforcement Officers
8 citywide. Do you believe that that is adequate?

9 GREG ANDERSON: So, we have--we have two
10 different types of enforcement staff. The first is
11 sanitation police officers. These are peace officers
12 in New York State. They are armed and--and they
13 generally enforce things like illegal dumping, theft
14 of large recyclable products, things that can have an
15 element of--of criminality if not under Criminal Law
16 at least an element of criminality to them. We also
17 have enforcement agents and enforcement agents are--
18 are on foot patrol. They look for things like
19 recycling violations. They also enforce illegal
20 posting. They enforce the pooper scooper law. They
21 enforce, they can enforce littering as well. So,
22 they have a much broader range of--of actions that
23 they can take. We have significantly more
24 enforcement agents. I don't have the number with me
25 today, but it's somewhere around 200 total in the

2 Enforcement Division. So, I think back to your—your
3 question of—I think you asked do we have enough. I
4 think, you know, we've been relatively straight
5 forward about on the illegal dumping issue that more—
6 more staff can help but just the—the nature of these
7 violations makes them very difficult to enforce. So,
8 having—just having more enforcement agents or
9 Sanitation police officers isn't necessarily the only
10 step that we think we should take. We think that for
11 a lot of these things violations should carry much
12 higher penalties. We have a—a bill that we discussed
13 a the rat mitigation hearing that would increase the
14 penalty for illegal dumping, and I think this—this
15 bill to increase the penalty for littering from the
16 vehicle is—is a good step as well because creating
17 that sort of—that sort of penalty I think dissuades
18 people from—from what they know is wrong.

19 COUNCIL MEMBER DEUTSCH: The headcount of
20 50 is this something—when was the last time you
21 increased the headcounts? So, you had 50 currently
22 that enforce illegal dumping. So, that—those 50
23 enforcement officers, was the headcount raise to 50
24 over the last three years or was 50 the head count
25 because New York City's population just crease to 8.6

2 million. So, we need to go with the flow, with the
3 population, and to me I remember I think it was last
4 year or two years ago we mentioned the same thing do
5 like 50 enforcement—Sanitation Enforcement Officers,
6 but we keep on remaining at the same—these low
7 numbers, and you did mention that it's more difficult
8 to actually catch someone who is illegal dumping, who
9 is illegally dumping or someone that's throwing a—
10 some trash out the window of especially a moving
11 vehicle. So, these are the more difficult
12 enforcement, you know, issues that we have to tackle,
13 but the headcount is kind of low opposed to the
14 headcount of ticketing those private homeowners who
15 have trash in front of their houses. I think you had
16 a few hundred of those officers that do—that don't
17 have the power like this—like the—like the Sanitation
18 Enforcement Police. So, can you—can you just give me
19 the numbers of the headcount and--

20 GREG ANDERSON: [interposing] Sure, sure.

21 COUNCIL MEMBER DEUTSCH: --when was the
22 last time it was increased?

23 GREG ANDERSON: So, the 50 number is—is
24 an approximation. We can provide you the exact
25 number after this hearing, and we'd be happy to—to

2 sit down with you and—and speak to those numbers in
3 more detail. But we—we did actually increase the
4 Sanitation Police Officer headcount. In the fall, we
5 added additional police officers for an illegal
6 dumping squad and, you know, I think that the
7 department would support efforts to increase the
8 Sanitation Police Officer headcount. Obviously,
9 there are a lot of things that we would support
10 increased funding for, but there are a lot of
11 difficult decisions that have to get made, but we
12 would—we would be happy to work with the Council to
13 jointly advocate for—for increased headcount on that.

14 COUNCIL MEMBER DEUTSCH: So, it is okay
15 to send me—to send the committee a request of—you
16 said you would support to increasing the headcount
17 and is it—is it okay to send the committee a request
18 of what Sanitation feels—what resources you feel that
19 you need that this way we could advocate and, you
20 know, now we have the—the budget just around the
21 corner and, you know, we could fight to ask the
22 administration, you know, to—to increase the
23 headcount, to increase collection or any—anything
24 thing else that you feel may help Sanitation. We'd
25 love to hear from you rather than us bringing it up

2 to you, and then you'll say you support it, but as
3 being in, you know, a Director of Research and
4 Operations and Recycling and Sustainability for the
5 new—the Department of Sanitation, we'd love to hear
6 form you. If you could—if you could just let us know
7 what resources you need in order to—to better do--the
8 Sanitation workers could better do their job, and to
9 keep our city more clean. And also, I just want to
10 ask you what hours do the Sanitation Enforcement
11 Officers work? Is it a steady tour or is it a
12 rotating tour?

13 GREG ANDERSON: We have Sanitation Police
14 Officers that work both a night tour and a day tour.
15 Primarily illegal dumping take place at night so, we-
16 we tend to focus resources on that shift, but we
17 have—we have Sanitation Police Officers on both
18 shifts, but to your—your earlier question I think
19 we're happy to—to follow up with you after this
20 hearing with a discussion about Sanitation Police
21 Officers resources. I think also exactly what this
22 bill that—that Council Member Matteo proposes is the
23 Sanitation—the—the Sanitation Department to look at
24 enforcing these types of violations and—and put
25 together a—a study that would show what enforcement

2 resources we think are appropriate, or what types of
3 creative actions we can take. Something that we
4 haven't discussed yet here--and not to go entirely
5 off topic--is we have proposed previously that it
6 would be great if we could write these kinds of
7 tickets based on license plates, and not have to
8 actually pull the care over because in that case we
9 could use Sanitation supervisors, enforcement agents,
10 et cetera. Unfortunately, that requires state
11 legislation. To go back to the Chair's early point,
12 a lot of what we work on does involve the state and
13 so, the conversations have to have to involve them
14 as well.

15 COUNCIL MEMBER DEUTSCH: Thank you. So,
16 what I understand is that these 50 Sanitation
17 Officers these are only officers that have
18 enforcement power that can actually stop someone.
19 So, illegal dumping may happen overnight. People
20 throwing their trash out of their moving vehicles
21 occur during the day. So, you have to align to
22 different tours in order to catch those that are
23 littering. So, if you--if you only have 50 and you
24 have to divide them throughout the city by tour and
25 you have 50 of them, so what does leave all five

2 boroughs if you need during the day, you need those
3 resources during the evening and you need those
4 resources in the early morning hours?

5 GREG ANDERSON: So, I think we—we agree
6 with where you're going, which is—which is it's a—
7 it's not an easy decision. We have heard more
8 generally from Council Members about illegal dumping.
9 So, we emphasize enforcing against illegal dumping,
10 but all—all of these considerations have to take into
11 account the fact that, you know, we have to work with
12 OMB to come up with a budget, and there are a lot of
13 competing priorities both within the Sanitation
14 Department and generally within the city. So, I
15 think we—as I said earlier, the Sanitation
16 Department, not the city at large, but the Department
17 believes that we—we could use more enforcement
18 resources on this matter. We'll be happy to work
19 with the Council, with your office, with the
20 committee and with OMB to see what we can do, but
21 that's—that's sort of where it stands.

22 COUNCIL MEMBER DEUTSCH: Yeah, and
23 enforcement does bring in revenue. So, even if you
24 had 50 officers or you have three tours let's say,
25 and you have 50 officers per tour citywide, in all

2 five boroughs that is still quite a few of
3 enforcement officers. So, I mean it is a revenue
4 maker. So, I think this is something that we
5 definitely need to talk about, and-and send a message
6 to those that are illegal dump and-and throw trash
7 out of the cars or those vehicles that are parked at
8 hydrants and just throw out all their trash while
9 they're parked in the evening. So, we need to go
10 after them, and this is something that the city
11 could-has the revenue that, you know, by enforcing
12 these laws. So, thank you. I'd love to have a
13 further discussion on this.

14 GREG ANDERSON: And I think we could
15 follow up on this discussion at the Executive Budget
16 hearing in a few weeks also.

17 COUNCIL MEMBER DEUTSCH: Thank you.

18 CHAIRPERSON REYNOSO: Council Member
19 Deutsch, I want to-so in the Waste Characterization
20 that we're doing, if we increase diversion, we
21 actually save money by diverting trash from the
22 landfill to recycling. So, when we talk about
23 organics for example, and the importance of organics
24 we're talking 34% of trash is organics. If we were
25 able to divert all of that, that's 34% savings in

2 exporting trash to landfill, and we spend about half
3 a billion dollars, almost half a billion dollars
4 exporting trash. That's a significant amount of
5 money just to get our trash to get to get thrown out,
6 and now we're also hearing that states and locations
7 don't want our trash, which means the few that do,
8 charge a ridiculous rate for it, and that's going to
9 continue to happen. We're going to continue to have
10 sates that are staying no, and other states that said
11 yeah, we'll take it, but we're going to double our
12 price because we just found out Philadelphia doesn't
13 take it any more, or we just found out Delaware
14 doesn't take it any more. Before you know it, there
15 will only be one place, and they could charge
16 whatever they want to take our trash. So, again, we
17 can save money by diversion by expanding organics, by
18 mandating that organics happen throughout the city of
19 New York by being aggressive about these tactics and
20 with that savings, we could get more enforcement
21 officers for Council Member Deutsch, which is what I
22 think is important. So, we're-we're-it's a balance
23 here. So, I want to talk about organics, which I
24 care deeply about. It's said to reach 3.3 million
25 New Yorkers by the end of 2018. What is DSNY's long-

2 term vision for engaging households in diverting this
3 material from the stream?

4 GREG ANDERSON: Sure. So, just to
5 clarify, we reached 3.3 million New Yorkers at the
6 end of last year.

7 CHAIRPERSON REYNOSO: Oh, okay.

8 GREG ANDERSON: So, we now—we now serve
9 3.3 million New Yorkers with the largest curbside
10 organics collection program in the country. Arguably
11 one of the largest in the world, and I think as—as
12 Samantha mentioned earlier, it is still a very new
13 program. We only actually started the Curbside
14 Organics Collection pilot in 2013 with just over
15 1,000 households in Staten Island, and in just the
16 last five years I think we've seen a tremendous
17 outpouring of support in terms of participation, in
18 terms of growth and awareness about community
19 composting, about, you know, the importance that not
20 only diverting organics from—from landfill, but also
21 using it beneficially to improve the health of our
22 local soils, to create renewable energy. I think
23 that—that we've seen great signs of progress there.
24 Obviously, we have a lot more to do, and we are—are
25 constantly working communities that have the service

2 to-to educate New Yorkers to enroll apartment
3 buildings because as-as you know, we only rolled out
4 the program to 98 buildings. Buildings with 10 or
5 more units can enroll and we'll deliver a bin to your
6 house. So, we encourage those-those buildings in
7 those districts to have the service to enroll. We do
8 community meetings, tabling events, door-to-door
9 outreach, and so we're-you know, we're really trying
10 to-to get New Yorkers excited about the program, and
11 we're excited to keep-keep growing the program as we
12 move forward.

13 CHAIRPERSON REYNOSO: So, I saw a post in
14 my building about organics recycling, but I have no
15 organics recycling bin yet, no brown bin. So, is
16 that a post that you put there encouraging us to call
17 311 or someone to get bins? Like explain that
18 process because there are no bins, but they're
19 talking about organics in my building. So, I want to
20 know what-what I do as a-a regular New Yorker. When
21 I see that post, what-how should I react to that?

22 SAMANTHA MACBRIDE: Right. You live in a
23 building over 10 units?

24 CHAIRPERSON REYNOSO: Yes, I do.

25

2 SAMANTHA MACBRIDE: Okay. So, you can go
3 to nyc.gov/organics. We have a form for signing up.
4 You can request a site visit, and we can get you
5 enrolled. The most important thing is to talk to
6 your super and make sure your super is onboard.
7 Without that support we can't make the program move
8 forward.

9 CHAIRPERSON REYNOSO: Okay, my super is
10 not going to be happy. [laughter] I can tell you
11 that right now, but I will have a conversation. I'm
12 the Chair of the Sanitation Committee. It would be
13 very difficult for me not to have this conversation
14 with my super. I'm going to do it. I'm going to
15 tell you about the experience. I'm going to Tweet it
16 out. It's going to be Antonio's experience trying to
17 get organics into his over 10-unit building. Wish me
18 luck, okay. So, I want to—Yes, I will—and I will, I
19 will. I hope. What can—what can be done to reduce
20 the barrier to organics collection? Should organics
21 collection in residences be mandatory? What's your
22 take on mandating it first? I imagine you've got to
23 get it out to the city of New York before you
24 consider mandating it, but is mandatory collection
25 something that's important to you and then barriers?

1 Like the one I'm talking about. You're going to have
2 to take a, you know, a regular resident from the city
3 of New York to go and engage with his super who
4 probably won't be too delighted to have to add
5 another layer of-of trash management.
6

7 GREG ANDERSON: So, I think you'd be
8 surprised how many of those conversations end with
9 the super agreeing that organics collection is-is a
10 good thing for the building, but yes, you're-you're
11 100% correct. We are focused on expanding the
12 program to serve as many people as possible right now
13 before we look down the road toward-to mandatory
14 participation. We think that that's probably going
15 to-to happen at some point in the future, but we-we
16 haven't started to think about timeline or-or what
17 the parameters might be. Obviously, in 1991 when
18 recycling became mandatory, we saw a huge increase in
19 participation after that. So, I think we would
20 expect the same increase in participation by making
21 organics mandatory, but I think it's-it's a little
22 premature to-to talk details at this point, and
23 really I think the-the big challenge that we face is
24 that it's-it's something totally new. It's not
25 something that-that New Yorkers have been used to

2 doing. It's not something that really happens in-in
3 most other major cities. You have other cities
4 across the Northeast and-and across the country that
5 are today where we were in 2013 they're just piloting
6 organics collection, and I think we have an
7 opportunity to lead the way, and to figure out what
8 works especially in apartment buildings especially
9 when people have very little space and, you know,
10 have busy schedules during the day, and-and can't
11 devote a lot of time to-to separating their waste,
12 but I think we-we embrace that challenge and-and look
13 forward to working with all of our community
14 partners, and neighbors across the city to-to be
15 successful.

16 CHAIRPERSON REYNOSO: Well, I'm going to-
17 I'm going to invite you to come to our-to my district
18 to meet with several not-for-profit organizations
19 that are doing-that have apartment buildings
20 throughout the entire-my entire system, La Sudas and
21 St. Nicholas, our two not-for-profit developers in my
22 district. I'm going to see if they would buy into,
23 you know, trying to do this at other buildings and
24 having the entire system, and see if that works.
25 Then they could speak to me about their challenges,

2 and all their experience positive or negative, and
3 see if it's something that can work. Do you give—do
4 you give out free small bins to like—to tenants where
5 they're supposed to put their organics before they
6 put it into the brown bin? Can you just explain
7 that? And I know this is not an organics hearing.
8 I'm just trying to get this information.

9 SAMANTHA MACBRIDE: Yeah. So for any
10 building that 1 to 9 units we do give out what we
11 call a kitchen container. So, it's a little
12 container that you can put on your counter to take
13 your material out to the curb.

14 CHAIRPERSON REYNOSO: Alright thank you
15 for that. Now, as we move towards increasing
16 diversion rates, would-would the department require
17 more expanded facilities to process organics or
18 recyclables? This is very important to me especially
19 when it comes to siting facilities, but did not come
20 to Brooklyn, North Brooklyn specifically, and I know
21 right now that a lot of the contracts, organics
22 contracts that exist by the Department of Sanitation
23 are again in North Brooklyn and in the South Bronx,
24 and when we talk about a fair city, I'm not necessary
25 sure that DSNY is contributing to that. We have huge

2 equity concerns, and every time there's a new—a new
3 way, a new material that's going to be introduced to
4 the waste stream, a new recycling idea, a new
5 anything idea, the burden falls on these two
6 especially significantly poor communities in North
7 Brooklyn and—and the South Bronx. What are you doing
8 to not let that be the case that when you do have a
9 program like organics that we can be supportive and
10 not worry about it being burdensome on, you know, a
11 few communities?

12 GREG ANDERSON: So, I think the
13 department would—would wholly support any
14 recommendations that the Council or local communities
15 have for siting new compost or composting or interim
16 (sic) digestion facilities within New York City or—or
17 in the immediate vicinity. Unfortunately the
18 composting takes up a lot of space and, you know, it—
19 there just isn't a lot of space left in New York for
20 those kinds of things. We are currently expanding
21 our compost facility on Staten Island to be able to
22 handle significantly more food waste. Right, it
23 predominantly handles yard waste, and we would love
24 to expand that model to other boroughs.
25 Unfortunately, we don't have the space to do so. As

1 to the—the specific concerns about transfer stations
2 in the South Bronx and North Brooklyn, I think we—we—
3 we hear your concerns, and I think the—the
4 Administration has been very clear that we support
5 waste equity. We support efforts to—to reduce the
6 burden of waste management infrastructure on—on all
7 over-burdened areas of the city, particularly North
8 Brooklyn, the South Bronx and Southeast Queens, but
9 unfortunately we—we—we have to go where—where—where
10 we can I think. We don't -because we don't have a
11 huge amount of processing facilities, actual
12 composting facilities in New York City, we have to
13 transfer that material into—into other trucks to take
14 it out of the city, or use available infrastructure
15 at DEP's wastewater treatment plants, and at this—at
16 this moment in time the only wastewater treatment
17 plants that takes food waste is Newtown Creek. It's
18 in your neighboring Council District, but we would—we
19 would also love to expand that program and look to
20 the other I think it's 13 or so wastewater treatment
21 plants that are spread across the city as well.

23 CHAIRPERSON REYNOSO: Just to think that
24 the—it's like what comes first? If you're serious
25 about waste equity, why would you continue to expand

1 a program that puts a larger burden on these
2 communities instead of figuring that part the—where
3 the garbage goes and the facilities to process it
4 before you institute it. We have—out of all your
5 contracts, private contracts that you do to take on
6 organics recycling, there are almost exclusively in
7 North Brooklyn and South Bronx. It kind of speaks to
8 this whole like what comes first? You can't talk
9 about bringing justice to these communities, and
10 continue to expand the amount of trucks and services
11 that are being—that are being through these
12 communities because you can't be both. Right now,
13 it's more talk than anything else when it comes to
14 this specific issue so much so that it makes me
15 uncomfortable. I'm a huge supporter of recycling or
16 organics. I want it to be expanded citywide. I want
17 it to be mandatory, but then I see all the trucks
18 coming into my district, the DSNY trucks coming
19 through my district, and that there is no solution
20 there, and I'm—I'm torn between being a Council
21 Member in the 34th District and—and being the Chair
22 of the Sanitation Committee, and wanting to be
23 supportive of something that's extremely important,
24 and I don't feel that there is enough urgency within
25

2 the department to try to figure this out to try to
3 crack this egg, and-and when you said it has to go
4 somewhere, it does have to go somewhere, but maybe if
5 we don't do it all, it doesn't need to go anywhere.
6 So, like that's a balance here that-that we haven't
7 figured out, and I hope that you-you do eventually.
8 Also, stopping it from coming to our communities
9 would maybe incentivize other cases to want to take
10 it on. If they know that all the contracts in
11 Brooklyn and South-in Brooklyn and in the Bronx are
12 not going to exist and that they need to push this
13 somewhere else, there's some value that that could
14 be-that could be created, and it would go. Ann
15 another facility would say, look if we're going to
16 take on all that trash, then we'll do it because
17 there's some value. It's a couple of tons or-and so
18 forth, it doesn't matter, and another thing is Staten
19 Island. Staten Island is getting a brand new park,
20 and the shutting down of Fresh Kills is what brought
21 in the 16 waste transfer stations into our district,
22 and now they're taking organics. They should really
23 consider or you should really consider expanding the
24 organics recycling program, and sending all the
25 trucks to Staten Island so that we could have some

2 balance, and Matteo is not here, but when he comes
3 I'm going to let him know the same thing, right.

4 [laughter]

5 GREG ANDERSON: Unfortunately, the—the
6 committee is now longer represented by a member from
7 Staten Island. I think they would beg to differ.

8 CHAIRPERSON REYNOSO: Yeah, I would love
9 to have that conversation about justice, and how one
10 community loses a landfill site that's a beautiful
11 park, and in turn all that trash moves to black and
12 brown communities with no parks and no justice, and
13 how hard it is to get you guys to be onboard with
14 that one. The difference between, you know, a more
15 prominent affluent white community versus a poor or
16 black and brown community. So, school is now—let's
17 move onto schools. [coughs] Fifty-one percent of
18 the organic material in the school waste stream was
19 identified as suitable for composting. Knowing this
20 information can you provide an update on the number
21 of schools participating in the Zero Waste and
22 Organics Collection Program for Fiscal Year 2018, and
23 why we haven't at least in our facilities expanded it
24 citywide?

2 SAMANTHA MACBRIDE: Yes. So there's just
3 over half of schools a little over 720 schools are
4 currently enrolled in the Organics Program. We are
5 working very closely with the Department of
6 Education's Sustainability Office and Grow NYC
7 Recycling Champions to improve the organic separation
8 in these existing schools, and I think until we can
9 see real improvement in those schools it doesn't make
10 a lot of sense to expand.

11 CHAIRPERSON REYNOSO: So, you're looking
12 to like almost perfect it and find the model that
13 works, and then expand it or it's just that you're
14 not encouraged by this.

15 SAMANTHA MACBRIDE: I wouldn't—I
16 wouldn't—I wouldn't use the word perfect. I think we
17 want to get to a place that we feel really good
18 about.

19 CHAIRPERSON REYNOSO: And right now it's
20 not—it's not doing so well?

21 SAMANTHA MACBRIDE: There's a lot of room
22 for improvement.

23 CHAIRPERSON REYNOSO: Okay. I just feel
24 like there's such a controlled environment there how
25 we would not be doing a good job, and it has, you

1 know, custodians or-or folks that are specifically
2 responsible to make sure that they separate it
3 appropriately. There's ways to separate, you know,
4 the trash cans inside the schools so that the kids
5 throwing out the organics, their plates and if all-
6 and it's all organic, they could all throw it in one
7 once we get the forks and the spoons I guess, I guess
8 the sporks to be compost-to be all put in the same
9 container. But it's still a problem?

11 SAMANTHA MACBRIDE: Yeah, unfortunately I
12 think that we are working very hard and like I said
13 with our partners at DOE and at GrowNYC to improve
14 the separation there, but there's still a challenge.
15 One thing that I can point to that we are doing is
16 that we're-a couple years ago we launched the Zero
17 Waste School Program. So, we're working with over
18 100 schools intensively to give them targeted
19 outreach and resources to properly separate their
20 waste, and what we're going to do is take the best
21 practices from those schools and apply them to all
22 schools, and so a recent example is that the DOE
23 provided uniform setups for waste in all the
24 cafeterias in DOE schools. So, now every time, any
25 DOE school cafeteria that you go into will have the

2 exact same sorting station, and signage, and so I
3 think that's really important as students move around
4 the system to have that uniformity in the bins.

5 CHAIRPERSON REYNOSO: Yeah, I—I really
6 think that that's a perfect place to make this work.
7 Again, it's contained. It's something that's
8 extremely controlled and I hope to see progress on
9 that one, but I hear the contamination is extremely
10 high, and it doesn't seem to be something that's
11 working. In my school, we actually have a like a
12 sanitation team in one of our schools in my district.
13 There is like a sanitation team that goes around
14 every single classroom to make sure it works in the
15 Young Women's Leadership School. We should actually
16 highlight those if we think about, but they just do a
17 really good job at paying attention to it, and the
18 sanitation team walks around and makes sure that they
19 handle all this trash, and I'm pretty sure they have
20 a high diversion rate. Single stream the one NYC
21 Plan states that converting to single stream
22 recycling will increase diversion by 20% presumably
23 after contamination. What is the basis for that
24 estimate? Where—how did you—how did you get there?

2 GREG ANDERSON: So, we back in—in 2015
3 when we were developing the OneNYC Plan, we looked at
4 a number of cities across the U.S. that in the last
5 few decades have converted from dual stream recycling
6 to single stream recycling, and what we mean by
7 single stream recycling is not just throwing all your
8 garbage away, and we'll sort it later. It means
9 combining the blue bin, which is metal, glass,
10 plastic and cartons with the green bin, which is co-
11 mingled paper. And so—so we looked at a number of
12 cities, and I think a 20% increase in diversion,
13 which would translate to an extra about four points
14 on our diversion rate, is a relatively reasonable and
15 conservative estimate.

16 CHAIRPERSON REYNOSO: Okay, are there any
17 drawbacks to single-stream collection? There are
18 some folks in this room that are concerned about
19 single-stream. Can we just—can we just talk about
20 what I guess the cost benefit or—or the—the pros and
21 cons, and how you—you came to an understanding that
22 this might be the better way?

23 GREG ANDERSON: Sure. So, and—and just
24 to be clear, right now, we—we have not announced a—a
25 timeline or sort of a path to single-stream. We—we

1
2 are very much committed to the idea, and we have
3 exactly because of concerns raised by a number of
4 activists and members of the community have spent a
5 lot of time with Sims who's our recycling—our primary
6 recycling vendor to work through some of these
7 concerns. They've also expressed concerns about
8 things like contamination about the value of—of the
9 material that—that they have to sell at the end of
10 the day, and I think we—we are going to take a very
11 measured approach, but we also—we know that one of
12 the biggest factors for New Yorkers when it comes to
13 recycling or—or participating in any of our programs
14 is convenience. And one bin is just t hat much more
15 convenient than two bins. It's easier to find space
16 in your home, easier to find space in an apartment
17 building. It's easier to understand, easier to
18 remember. So, we think that in the end those pros
19 will overcome the cons, but we—we definitely
20 appreciate that there—that there are some potential
21 concerns, and we're taking those into account.

22 CHAIRPERSON REYNOSO: NYCHA. So, so I
23 guess I wanted to with—with schools and NYCHA
24 accordingly. There must be some internal
25 measurements that you guys are taking in regards to

2 progress being made on a year-to-year basis not
3 waiting for the Waste Characterization that has to
4 happen to kind of get those numbers. Do you feel
5 that you're making progress in NYCHA or you're making
6 progress in schools in regards to that version?

7 SAMANTHA MACBRIDE: So, on schools we
8 have been looking at, you it's hard to get an actual
9 diversion rate for schools, but we have been looking
10 at their set-outs making sure that they're doing a
11 good job. Particularly, we're looking at the schools
12 in the rat mitigation zones to make sure that they're
13 doing a good job with their waste setout, and we have
14 seen improvement over the last few months that we've
15 as we've been looking at set-out, the amount of rat
16 activity and things like that.

17 CHAIRPERSON REYNOSO: This is my-my last
18 question is a Waste Characterization Study of the
19 commercial waste stream. I believe, and-and correct
20 me if I'm wrong, that the SWAMP Plan called for a
21 waste characterization study of the commercial-of
22 commercial waste. We've yet to see that, hear that.
23 Just want to know what's the status of it, and-and
24 whether or not it's something we believe you will do?

2 GREG ANDERSON: So, the—the 2016 Solid
3 Waste Management Plan did call for the Sanitation
4 Department to study the commercial waste system, and
5 in 2008 we started a study. It lasted about four
6 years, but unfortunately because of the financial
7 crisis was—the scope was—was pared down a little bit.
8 So, we've released that study. The results are on
9 our website, but unfortunately, I didn't include a
10 full Waste Characterization of the commercial waste
11 sector. The last time something like that was done
12 in great detail was 1990. So, quite—quite some time
13 ago, and as we move forward with the Commercial Waste
14 Zone Project, and—and a number of other changes to
15 the way commercial waste is managed, commercial
16 recycling, commercial organics, we—I think we could
17 benefit from the Commercial Waste Characterization
18 Study, but we are also—we're taking in a lot of
19 different sources of information data that we
20 collect, data collected by BIC by the State, data
21 that—that—that looks at similar business types and
22 other jurisdictions, and we are—we are sort of
23 combining all of that together into what we think is
24 a relatively accurate model of—of how much waste is
25 out there, what the waste is comprised of, but yes,

2 obviously a true characterization study would give us
3 a better picture of that.

4 CHAIRPERSON REYNOSO: So, we should look
5 into that. I'm going to talk to the Commissioner and
6 to the Mayor and just ask if that would be something
7 we'd consider. I think it would help our argument
8 long term when it comes to zoning and franchising to
9 have a Characterization Study. So, I'm done with the
10 questions. I appreciate your time. I hope that you
11 guys would stay because we have one panel? We have
12 one panel, and it's going to be a lot of fun. So,
13 you should—you should definitely wait. I want to
14 call up Anna Champeny, Jacquelyn Ottman, and Melissa.
15 You can't do it still, Melissa. You can't do it.

16 [background comments] I know. [background comments]

17 Yeah, Sean, yeah, Sean. It will be the last time.

18 Is no one else signed up to speak? Okay, and thank
19 you. They love what the Department of Sanitation is
20 doing so much they just came to support you.

21 [background comments, pause] We're going to call up
22 James Pfeiffer to speak as well. So, keep—keep—you
23 can fill it out over there. Go ahead. Don't worry
24 about it. We just need that before you leave today.

2 [pause] I'll let you guys choose your order.

3 [background comments] Thank you.

4 JACKIE OTTMAN: Good morning, Chairman
5 Reynoso, and all the members of the committee. My
6 name is Jackie Ottman, and I'm testifying on behalf
7 of the Manhattan Solid Waste Advisory Board, the
8 SWAB. New York City's ambitious goal to send zero
9 waste to landfill by 2030 was set in the OneNYC Plan
10 in 2015. In order to reach this goal, the city must
11 increase participation in existing recycling
12 programs, encourage waste prevention and develop and
13 promote new and different opportunities to reuse
14 products and materials, an well designed Waste
15 Characterization Study can provide sufficient data to
16 understand the performance of existing programs
17 across the city as well as inform the design of
18 future programs to reach 0 by 30. However, the
19 methodology used to carry out the 2017 Waste
20 Characterization Study was the same as that used in
21 2013 and, in fact, close to 2005's. This means it
22 did not take into account the programs that have been
23 created and expanded since the city's declaration of
24 zero waste goal in 2015. While we understand the
25 need to consistently compare changes in waste

1 composition over time, more granular data on
2 recyclable materials and reusable products that are
3 still exported and disposed of are critical to
4 achieving at least the 90% diversion. For starters,
5 the Characterization's design told us very little
6 about the composition and distribution of the
7 residual waste including its reuse, recycling and
8 organics waste streams, the very waste streams we
9 want to divert more of in different building types
10 and across different demographics. The 20 million
11 percent, and that's the portion of-of non-recyclables
12 and refuse not the overall. That is deemed as non-
13 recyclable is a very larger figure that needs to be
14 understood even more urgently than the numbers for
15 typical recyclables. Some of this 29% is potentially
16 reusable, and some like products and packages that
17 are not designed to be recycled could be reduced by
18 legislative remedies such as bans and fees we spoke
19 about before. But we can't identify these potential
20 reductions and diversions without the refined data.
21 The Characterization Study also failed to show how
22 effective organics collections have been in those
23 neighborhoods that have the program and the
24 difference in our aversion rates between the curbside
25

2 and drop-off program collection areas. Lastly, the
3 2017 Waste Characterization Study provides very
4 little specific data to inform what education and
5 strategies are needed where, and also what policy may
6 be required to reduce specific waste streams such as
7 single-use plastics or increase the re-use of bulky
8 and E-Waste as well as residuals. If the 20 dead-
9 2030 deadline is serious and intended to be met, Zero
10 Waste Program expenditures need to be increased. The
11 city is spending over \$400 million on just the export
12 disposal of waste and another \$735 million-\$39
13 million per annum on collecting it from households.
14 If only a fraction of this was spent on understanding
15 residents' views on and behavior towards recycling
16 programs and education could be adapted to change
17 long-term behavior and ultimately reduce both
18 collection and disposal costs. Zero waste can only
19 be achieved with a very high participation rate. We
20 at the Manhattan SWAB therefore recommend another in-
21 depth study be conducted in the near future to
22 collect data that would lead to a better
23 understanding of the attitudes and behaviors of New
24 York City's residents to its waste reuse and
25 recycling in different areas of the city, in

1 different building types and among different
2 demographics. The last time the city did a usage and
3 attitude study was over 12 years ago in 2005, and
4 much has changed since then. Understanding what is
5 preventing residents from engaging in existing
6 programs will help inform education and
7 communications as well as the design and provision of
8 targeted outreach while informing the budgets needed
9 to fund these programs. Finally, since there is
10 great reuse potential left in New York City that is
11 not being addressed by the private or public sector,
12 we recommended DSNY characterize the reuse potential
13 at curbside. What is the weight and volume of
14 different types of the durable products that can be
15 repaired or salvaged and their condition, i.e.,
16 repairability that are left curbside? With
17 information like this, DSNY can design programs to
18 collect the usables at curbside as well as inform the
19 design and use of repair shops, and sales outlets or
20 other means to recover more reusable products. Thank
21 you for the opportunity to testify on behalf of the
22 Manhattan SWAB this morning.

24 CHAIRPERSON REYNOSO: Thank you and I
25 just want to ask about the reuse portion, which is

1 something that it seems like you're highlighting in
2 your testimony, and I always talk about how New York
3 City and reuse I jus don't—it's just very hard to
4 see, but it's definitely possible. We went to
5 several—I went to several events and—and was on a
6 panel at a reuse event, and it made it feel like it's
7 definitely something we can do. What you're saying
8 is have opportunities for reusable material on the
9 curb, maybe to roads like a central location that can
10 then be picked up or—or—or by anyone including, you
11 know, thrift stores or whoever, reuse like a—what do
12 you call it? Flee markets and so forth, and then
13 whatever doesn't get picked up can get—get to it or
14 not, but there's some type of—of diversion that can
15 happen just through having maybe a central location
16 for it.

18 JACKIE OTTMAN: Absolutely, absolutely,
19 and why should we be throwing away all this reusable
20 stuff just because it shows up on a curb, and is not
21 a diverted through donations? And so, what we're
22 asking for is more granular data on what percentage
23 of these seemingly reusable materials are, in fact,
24 reusable with simple repairs or just diverting them
25 into shops and other resale outlets.

2 CHAIRPERSON REYNOSO: Okay, and recently
3 on my curb there was a table, a perfectly good table.
4 It looks like somebody just bought a new one. It's
5 tax season. People were excited. They got a—they
6 got a table out there. That table was perfectly fine
7 by any other means and somebody needed a table they
8 could have used it.

9 JACKIE OTTMAN: Absolutely.

10 CHAIRPERSON REYNOSO: But I thank you for
11 that testimony and definitely pay attention to the
12 fact that the Characterization Study seems to be
13 similar across the board. I do say this about
14 Sanitation, they've been doing the same thing for a
15 long time, and they like—they like consistency or—
16 they don't like change let's say, while this
17 commissioner is I think an agent of change, and is
18 trying to turn this ship around. It still takes some
19 time, and I, you know, it being I believe her first
20 Waste Characterization Study under her, you know for
21 it to be modified in some significant way what I
22 think would be difficult to do for her. That her
23 Characterization Study be something that's for—and
24 that's modified to what we traditionally have done,
25 but I will be paying attention and making sure that I

2 advocate that we be more cognitive of the value of
3 what a Waste Characterization can have outside of
4 just knowing information, but actually assisting with
5 decision making and so forth.

6 JACKIE OTTMAN: Right and so we—we-we
7 don't want to burden the current Waste
8 Characterization Study and—and, you know, prohibit it
9 from understanding long-term trends, but things are
10 changing rapidly in the city as we saw between 2013
11 and 2017, and we also need that additional data as we
12 are proposing in the companion study. Consider it a
13 companion study to update the update and attitude
14 study so that we—we understand why—so that we can
15 better understand things like why that aluminum foil
16 is actually not getting into the recycling stream. Is
17 it because of food soil or is it because of something
18 else.

19 CHAIRPERSON REYNOSO: Alright, well thank
20 you. Thank you for your testimony.

21 JACKIE OTTMAN: Thank you.

22 MELISSA IACHAN: Good morning. My name is
23 Melissa Iachan, and I am Senior Staff Attorney in the
24 Environmental Justice Program at New York Lawyers for
25 the Public Interest, which is a member of the

2 Transform Don't Trash Coalition, and I'm happy to be
3 here to provide a response to the recently released
4 results of the 2017 New York City Residential School
5 and NYCHA Waste Characterization Study. We are
6 grateful for our continued partnership with DSNY in
7 working toward establishing a much more sustainable,
8 efficient and equitable commercial waste system in
9 the city, and we'd like to thank Chair Reynoso and
10 the members of the Sanitation Committee for the
11 opportunity to comment here today. The Waste
12 Characterization Study revealed important information
13 that can help shape the city's policy decisions and
14 our attempts to move towards zero waste to landfills
15 by 2030. The information revealed in the study will
16 guide DSNY and the Council in prioritizing public
17 education efforts around waste reduction, reuse,
18 organics and recycling. Unfortunately as Chairman
19 Reynoso pointed out, we lack anywhere near this level
20 of knowledge about that our city's biggest waste
21 stream, the commercial waste stream and the millions
22 of tons of material thrown out by our huge and
23 diverse business sector every year. As Mr. Anderson
24 mentioned, the last Commercial Waste Characterization
25 Study was done in the city in 1990 almost 30 years

1 ago. I don't have to tell you how much has changed
2 in the city since 1990. Since then there have been
3 profound changes in how we consume information in the
4 media, food and electronics, but we have no measure
5 of how this has changed the composition of the city's
6 enormous commercial waste stream. The only way we
7 can craft meaningful policies, infrastructure and
8 educational campaigns to reduce, recycle and diverse
9 waste is by knowing what is in that waste.
10

11 Conducting a thorough citywide commercial waste
12 commercial analysis is more timely now than every, as
13 the city does move towards major reform of a broken
14 commercial waste system. Our city has committed to
15 fixing this broken system by adopting a zoned
16 commercial waste system, which we strongly endorse
17 and are excited to working hand-in-hand with DSNY in
18 preparing for it. Under this zone system, the city
19 will be able to incentivize private waste hauling
20 companies to make major changes to how they collect
21 and process recyclable materials and can encourage
22 major investments in waste reduction and prevention
23 strategies for businesses. Mr. Chairman, this is also
24 an opportunity to incentivize investments in
25 increasing composting capacity in and equitable

2 fashion. This reform represents a crucial
3 opportunity to make systemic changes that would bring
4 us closer to our zero waste goals while also offering
5 an opportunity to reduce our city's greenhouse gas
6 emissions, improve working conditions for the many
7 workers in the private sanitation industry, vastly
8 improve safety in our streets and, of course,
9 increase equity. In order to for the city to design
10 the most efficient and sustainable new commercial
11 waste system, we must make the effort to understand
12 what is in our commercial waste stream, and how the
13 various waste streams and concentration may differ in
14 different regions of the city. For example, we know
15 that Downtown Manhattan has much more commercial
16 waste than Northeast Queens per block, but is there a
17 difference in how much recyclable material is
18 actually being recycled amongst the various
19 neighborhoods by these businesses. Knowing
20 information such as that could be incredibly useful
21 when designing the waste zones and determining each
22 area's particular needs. We strongly urge the city
23 to initiate the process for a Commercial Waste
24 Characterization Study as soon as possible. Finally,
25 as an Environmental Justice attorney and advocate, I

2 as again the Chairman, would be remiss if I did not
3 point out the disturbing implications of the 2017
4 study results, and what they have for one of the
5 greatest environmental inequities in our city. Both
6 communities that are overburdened by the clustering
7 of transfer stations that process waste before
8 trucking it out to landfills. The Waste
9 Characterization Study reveals that more than half of
10 what we're sending to landfills should have been
11 recycled, composted or otherwise diverted. This
12 means that half of the trash that continues to be
13 trucked through low-income communities of color could
14 have and should have been diverted if for no other
15 reason than to reduce the impacts on communities who
16 for so long have lived with the daily reality of
17 inhaling the fumes of trucks carrying the entire
18 city's garbage. We must do a better job educating the
19 residents of our city about composting, recycling and
20 waste reduction strategies. We look forward to
21 continuing our work with the Council and with DSNY to
22 accomplish these important goals.

23 CHAIRPERSON REYNOSO: As usual, thank you
24 Melissa for being part of our choir, which is
25 extremely important and DSNY does need to hear that.

2 I really don't think again there's any level of
3 urgency when it comes to truly addressing the issue
4 of-of inequities in these communities, and NOPLI's
5 (sic) is always on the front end of making sure that
6 they don't forget that. So, I appreciate it and
7 thank you for that.

8 ANNA CHAMPENY: Chair Reynoso and Council
9 Members, thank you for the opportunity to testify
10 today. My name is Anna Champeny and I'm the
11 Director of City Studies at the Citizen's Budget
12 Commission. CBC was a non-partisan, non-profit civic
13 organization whose mission is to achieve constructive
14 change in the finances and services of New York State
15 and New York City government. My remarks are a
16 condensed version of the written testimony I
17 submitted. CBC commends the city's commitment to
18 completing these waste studies on a regular basis and
19 we're releasing detail results, which allow policy
20 makers and advocates an opportunity to better
21 understand the waste stream and assess the city's
22 waste management strategies and programs. CBC has
23 written extensive about the economics of waste
24 management in the city, and I want to comment on the
25 fiscal and policy implications of the results. While

2 aggressively pursuing 0 waste by 2030 the city should
3 be seeking productivity gains in waste collection in
4 order to realize savings including meeting collection
5 targets, increasing the volume of recyclables and
6 optimizing labor contracts. Focusing on increasing
7 participation in the curbside organics program before
8 expanding it and pursuing the use of in-sink
9 disposers, continuing policy and development of
10 policy initiatives such as data's (sic) referral and
11 single-stream recycling and revisiting a plastic bag
12 man with a fee on alternatives. I won't recap the
13 Waste Characterization Study. DSNY did that pretty
14 thoroughly. So, the--the reality of recycling
15 economics is that collecting a ton on recyclables is
16 much costly than collecting a ton of refuse. \$629
17 compared to \$291 according to the Mayor's Management
18 Report. If all else stayed the same having household
19 sort 55% of their recyclables up from the current 50%
20 would cost the city about \$20 million more. Labor
21 productivity at the Department of Sanitation measured
22 in tons per truck shift presents opportunities for
23 the city to achieve savings. In 2017, the average
24 recycling truck collected 5.6 tons per truck shift
25 while the average refuse truck collected 9.6 tons,

1 and because the cost to run a truck shift is
2 basically the same regardless of the material being
3 collected, it's mainly a cost for the salaries and
4 benefits of the two workers. Its costs substantially
5 more per ton to collect recyclables. This presents
6 three opportunities. First the city's labor contract
7 with DSNY workers sets productivity targets as 10.7
8 tons for refuse and 6.2 tons for recycling and actual
9 collections are below targets. Meeting targets could
10 save \$120 million per year. Recommendations in CBS's
11 2014 Report Getting the Fiscal Waste our of Solid
12 Waste Collection in New York City included
13 lengthening routes, reducing collection frequency in
14 areas with low waste volume and altering shifts. For
15 example have four 10-hour shifts. The city could
16 continues—should continue efforts to increase
17 recycling participation. More recyclables at the
18 curb will increase recycling productivity. If the
19 city were able to increase capture rates to 55%, and
20 meet productivity targets, then that reduction in
21 costs would be \$105 million. And thirdly, the labor
22 contracts with the USAF, the Uniformed Sanitation Men
23 Association expire in January of 2019, and the city
24 should pursue collective bargaining changes to
25

2 increase flexibility, productivity and end certain
3 differentials and bonuses such as the Productivity
4 Bonus and the Dump On Shift Differential as well as
5 to expand the use of large containers and automated
6 trucks where appropriate. Moving onto organics.
7 Organic materials present a major opportunity to
8 decrease the amount of waste being sent to landfills.
9 Organics, which can be readily composted are
10 currently 34% of an average household's waste.
11 However, as CBC documented in the 2016 Report: Can
12 We Eat our Cake and Recycle it, too? the current
13 curbside organics program is costly and inefficient.
14 The city reports a No Waste Study that just 13,000
15 tons of organics were separated and collected in
16 2017. That's just one percent of the citywide
17 organic waste stream and still a small portion of the
18 waste stream, the organic waste stream in the
19 districts that have curbside collection. Data
20 suggests that DSNY collects an average of one ton per
21 truck shift for organics, which would translate into
22 an annual collection cost of about \$40 million. So,
23 while the program is well intentioned, and highlights
24 the substantial potential that exists in organics,
25 the city should prioritize fiscal considerations when

2 deciding our next steps. CBC has argued for slower
3 expansion with a focus on districts likely to attain
4 significant participation. This city should halt
5 expansion until participation can be increased. CBC
6 has also advocated the use of in-sink disposers,
7 which can crush food waste and send it into the
8 wastewater treatment plants without incurring
9 additional curbside collection costs. Lastly, the
10 Organics Program is currently voluntary. Ultimately,
11 the city will want to make it mandatory as was done
12 with their recycling. [bell]

13 CHAIRPERSON REYNOSO: You can continue.
14 Go ahead.

15 ANNA CHAMPENY: The city is pursuing two
16 policy avenues: Single-Stream Recycling and Save as
17 You Throw, which have the potential to substantially
18 improve voice (sic) management. The city plans to
19 improve implementing Single-Stream Recycling, which
20 presents an opportunity to realize improvements and
21 efficiencies. Under Single-Stream Recycling, New
22 Yorkers would not longer need to separate paper and
23 metal, glass and plastic. All recyclables would be
24 put in one container, which would reduce the cost of
25 recycling contamination rate, and is also expected to

2 increase participation and collection productivity
3 for the trucks. The city is also studying a volume
4 based garbage fee program called Save as You Throw.
5 CBC advocated for such a program and supports the
6 city's efforts. An economic incentive is an
7 effective way to get residents to reduce their waste
8 production. In order to encourage more diversion
9 especially of organics, the program should be
10 designed to charge lower fees for recyclables and
11 organic waste as compared to refuse. And lastly, on
12 plastic bags, while not a substantial part of the
13 waste stream, plastic bags represent a missed
14 opportunity for the city. In 2017 plastic bags were
15 1.9% of the waste stream about 71,000 tons annually
16 and cost about \$12 million to landfill. In a blog we
17 put out last week, we advocated for the city to once
18 again act on this issue and pass a plastic ban—a
19 plastic bag ban along with a fee on alternatives.
20 The Waste Characterization Study provides significant
21 data about the make-up of New York City trash and
22 changing consumer behavior. It also provides a lens
23 to evaluate current and proposed DSNY policies, with
24 regards to waste management with an eye to increasing

2 efficiency and cost effectiveness, and I'm happy to
3 answer any questions. Thank you.

4 CHAIRPERSON REYNOSO: So, Anna, I got two
5 questions. The Organics Program.

6 ANNA CHAMPERY: Yes.

7 CHAIRPERSON REYNOSO: And so it's like a
8 necessary evil to begin it, and we need to start
9 somewhere. Right. I'm going to say it. Sanitation
10 might not say it. There's a goal here to make it
11 mandatory in the future. The only way to do that is
12 make sure that it's citywide, and then after it's
13 citywide we—we make it mandatory and then we start
14 realizing a lot of these—this—this cost efficiencies
15 I guess that we don't have right now because we're
16 getting a very small amount of organics through this
17 program. Obviously, a voluntary program is not
18 netting the results that we would like it to, but
19 understanding the long-term goal is to make it
20 mandatory I guess. These are like necessary evils
21 of—of inefficiencies when it comes to the budget
22 right. What do you—what do you say to that I guess?

23 ANNA CHAMPENY: Well, I—we—the city has
24 had mandatory curbside recycling paper, metal, glass
25 and plastic, and we are still only at a 50% capture

1 rate there. So, I think especially in organics,
2 which is a—a substantial change in behavior for New
3 Yorkers, and also noting that for example they—they
4 did say that most of the organics that they're
5 getting more than half is yard waste. It's not food
6 waste. So, getting New Yorkers to separate food
7 waste is going to be a big challenge, and I think
8 what we're seeing is in the districts where they've
9 already got the curbside, you—you have low
10 participation and you've had for a few years. So,
11 work to get the participation up because making it
12 mandatory does allow you to find will increase
13 participation, but you aren't guaranteed to have the
14 tonnage even then to make it cost-effective. So, I
15 do understand. It's very much, you know, the cart
16 before the horse. Like what's—what's the right
17 order, and there's no perfect story, and no perfect
18 answer, but I think given how low the participation
19 rate have been in districts where you would expect
20 more uptake of the program that that we should try to
21 figure out how to make it more attractive to—to the
22 department there. (sic)

24 CHAIRPERSON REYNOSO: Yeah, and
25 understanding that none of this stuff is black and

2 white. There's a lot of gray area. You mentioned
3 Save as you Throw--

4 ANNA CHAMPENY: Yes.

5 CHAIRPERSON REYNOSO: --which is also a--
6 an incentive based system to get folks to recycle
7 what we're currently recycling at a better rate. So,
8 I just I guess I just don't want to just so black and
9 white. You know, there's inefficiencies throughout
10 the system or we're wasting and we're spending a lot
11 of money or wasting a lot of money. I see it as
12 short-term investments or short-term losses for long-
13 term success or goals. So, I just wanted to put it
14 in perspective because seeing these numbers is a
15 shock sometimes when you look at it, and you're
16 saying oh, we're just doing a terrible job. I just
17 think it's-it's too short-term or we're going to--
18 we're going to take our losses in an effort to
19 hopefully have a better system long-term.

20 ANNA CHAMPENY: Sure. I mean I think we
21 do see it as some opportunities for the city to
22 improve collection and--and sort of generate savings
23 on one side, which then you can use to offset sort of
24 the expansion of new programs.

2 CHAIRPERSON REYNOSO: Then you said the
3 city can take \$4 million in sink disposers, in sink
4 disposers. So, I just want to—how did you get to the
5 \$4 million number? I—I imagine that you're—you're
6 taking it from—you don't need a truck to take any of
7 that garbage because it's going through pipe and the
8 pipes are free, or the transportation of trash
9 through pipes to the wastewater treatment plant are
10 free, but when they get to the wastewater treatment
11 plant, does it need again of any waste so that
12 they'll eventually get on truck to go to some
13 landfills.

14 ANNA CHAMPERY: So, the—the analysis was
15 completed in that report and it looked at using four
16 districts where there is currently substantial
17 capacity in the wastewater treatment plants to handle
18 the additional volume, and it did include both on the
19 cost side, the cost of providing and installing the
20 disposers, the additional costs at DEP in electricity
21 —in utilities because of the greater volume that
22 they're getting offset by some biogas revenue that
23 DEP can collect. So, that's sort of—there was a DEP
24 portion and then there was the DSNY portion, which
25 was the averted disposal costs because you're not

2 taking them to the landfill, which is currently I
3 think about \$170 per ton. So, we did try to consider
4 all of the components and figure out a net savings.
5 So, it's not a—it's not a huge savings, which the
6 collection piece itself is much bigger, but we did
7 account for the DEP costs of having the additional
8 hurdle. (sic)

9 CHAIRPERSON REYNOSO: Yes, and I don't
10 know if it's happened and I'll ask, but DEP's the
11 answer is receive any—to work a deal out with
12 National Grid as to how they can get some capture
13 essentially, value capture I guess from—from this the
14 gas that is produced from the bioswales. There's
15 something wrong with the pipes. It's not in the
16 system yet.

17 ANNA CHAMPENY: Okay.

18 CHAIRPERSON REYNOSO: So, I just want to
19 let you know that I'm waiting because actually North
20 Brooklyn is the one that would benefit from this.

21 ANNA CHAMPENY: Uh-hm.

22 CHAIRPERSON REYNOSO: They're talking
23 about giving a discount to the community because
24 they're giving thee this—this free gas and there's
25 something going on that it's not working just yet,

2 but we're excited. You're right. We're excited to
3 eventually get that and hopefully savings to all of
4 New York City once—once it's completed. I just want
5 to thank you for your testimony. Very—very well done,
6 and we're going to see if we can use some of the
7 information you gave us today in a couple of weeks
8 when we have our—our finance. What do you call that?
9 The Budget—the Budget, the Executive Budget hearing.

10 ANNA CHAMPENY: Great.

11 CHAIRPERSON REYNOSO: So, it will be
12 reflected, and our last testimony of the day to close
13 it out.

14 MALE SPEAKER: Right, my name is—[pause]
15 I'd like to speak about energy conversion. A lot of
16 the issues that were brought up today could be
17 handled by an energy conversion system. So, dirty
18 diapers were mentioned, plastic forks, Styrofoam,
19 those ubiquitous coffee cups that are paper, but
20 lined with plastic. They all could be converted to
21 energy. More than half of what you're sending out
22 actually has a calorific value, and could be
23 converted to energy, and an energy conversion
24 facility could be started in a pilot operation and
25 probably started at one of your transfer stations

2 just to prove that it works, and a largescale, a
3 thousand ton per day facility could produce 25
4 megawatts of power, which could be beneficial to the
5 city in a lot of areas. In terms of the—the
6 vegetative matter going to the facility in Staten
7 Island, an energy conversion facility there taking
8 just that type of waste would be less than half the
9 physical footprint in size, and process a larger
10 volume of waste of that type of waste, and would
11 actually reduce the physical amount of waste at the
12 end dramatically and leave a beneficial soil nutrient
13 that could be sold. So, a much, much different
14 scenario. They city has been reluctant to try
15 anything new. Nashville and other cities are
16 starting to go into these areas and—and test. It's
17 about time for New York to test.

18 CHAIRPERSON REYNOSO: Well, we have a—
19 doesn't that Covanta—Covanta do this in New Jersey
20 and the city sends a track?

21 MALE SPEAKER: They're—they're burning it.

22 CHAIRPERSON REYNOSO: Isn't that what
23 you're saying.

24 MALE SPEAKER: I'm not talking about
25 burning.

2 CHAIRPERSON REYNOSO: So, how do you—who
3 would do that?

4 MALE SPEAKER: I'm talking about—well
5 this technology is Pyrolysis. There is also
6 gasification where you create a synthetic gas out of
7 the waste, and then that is used—can be used in
8 generators to make electricity or it can be perhaps
9 put in this pipeline that you referred to before.

10 CHAIRPERSON REYNOSO: Okay. So, and I
11 think I've—I've heard of both of these styles. Just
12 introducing these alternatives to communities
13 especially mine, it wouldn't—it wouldn't bode—it
14 wouldn't bode well to some of these--

15 MALE SPEAKER: [interposing] Well, so—
16 so—you've probably heard of combined heat and power
17 systems little generators that actually our apartment
18 building is putting into—in its basement with that.
19 So, they can be stationed any place in New York City
20 because they'll meet the emissions requirements. So,
21 this energy conversion facility does not have a big
22 smoke stack. It has the same emissions levels of
23 this—these combined heat and power systems.

24 CHAIRPERSON REYNOSO: Okay, well thank
25 you for that information. I'll—I'll pass it along to

2 the Commissioner and see where her head is at on this
3 stuff, but when it comes to most of these energy
4 conversion conversations that we're having, a lot of
5 folks just--it's like modern day incineration, and
6 that's why--

7 MALE SPEAKER: [interposing] Right and
8 it's not and that's why--

9 CHAIRPERSON REYNOSO: [interposing] You
10 have to break that, you got to break that--a misnomer
11 I guess, that's--that's--

12 MALE SPEAKER: Right, I know.

13 CHAIRPERSON REYNOSO: I know you're
14 trying today but I guess what I'm saying is until we
15 don't feel comfortable with getting there, we're
16 talking about two--we have two incinerators in North
17 Brooklyn that we had to shut down, and just
18 reintroducing that. We have members out here that
19 won't even take a waste transfer station in their
20 district because they're--they're so I guess the PTSD
21 of incinerators. So, I just want to--I just want to
22 just put it in perspective. You have a long--a long
23 road ahead of you, sir.

24 MALE SPEAKER: Right, but there's just
25 like your cell phone technology and all that has

2 changed over the years, this technology is changing
3 and it's time to start a real look because you have a
4 big problem and of the trains, you know, being turned
5 around in Alabama and whatnot with your-your sludge
6 waste and things like that. They can all be avoided.

7 CHAIRPERSON REYNOSO: Well thank you for
8 your testimony. I appreciate your time.

9 MALE SPEAKER: Thank you.

10 CHAIRPERSON REYNOSO: And thank you all.
11 At this point, the meeting is adjourned. Thank you.

12 [gavel]

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C E R T I F I C A T E

World Wide Dictation certifies that the foregoing transcript is a true and accurate record of the proceedings. We further certify that there is no relation to any of the parties to this action by blood or marriage, and that there is interest in the outcome of this matter.



Date May 24, 2018