

Air Management Services Public Meeting In Re: SEPTA Robert Complex
June 27, 2017

ADMINISTRATIVE

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DATE OF REPORT

CITY OF PHILADELPHIA
AIR MANAGEMENT SERVICES
PUBLIC MEETING

- - -

RE: SEPTA ROBERT COMPLEX

HELD AT: Panati Playground
3101 North 22nd Street
Philadelphia, Pennsylvania

IN ATTENDANCE: AIR MANAGEMENT STAFF
SEPTA REPRESENTATIVE

HELD ON: Tuesday, June 27, 2017

REPORTED BY: Angela M. King, RPR

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June 27, 2017

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1 (At this time, the proceedings commenced at
2 approximately 6:09 p.m.)

3 - - -

4 MR. WIENER: My name is Edward Wiener.
5 I'm the Chief of Source Registration for Air
6 Management Services of the Philadelphia
7 Department of Public Health. Before we get
8 started, I would like to ask everyone to sign in
9 the record of attendance regardless of whether or
10 not you plan to testify. It is located at the
11 side desk. We are accepting testimony on a
12 proposed plan approval for Southeastern
13 Pennsylvania Transportation Authority SEPTA
14 Complex, located at 4301 Wissahickon Avenue,
15 Philadelphia.

16 This hearing was published in the Notice
17 Section of the Pennsylvania Bulletin on Saturday,
18 May 20, 2017. Proposed plan approval No.
19 IP17-000009 will authorize SEPTA to install two
20 identical natural gas-fired combined heat and
21 power generator units. Each unit is rated 6,113
22 horsepower and will have a Selective Catalytic
23 Reduction unit and an Oxidation Catalyst to
24 reduce emissions. Units will produce

1 supplemental electricity for regional railcars an
2 steam and electricity for use within the Midvale
3 Bus Facility.

4 The facility requests the retention of
5 its Synthetic Minor status by restricting
6 Nitrogen Oxides, Volatile Organic Compounds and
7 Carbon Monoxide emissions below the major source
8 permit threshold. These units will have a
9 combined potential emissions of 21.8 tons per
10 year of Nitrogen Oxides, 28.5 tons per year of
11 Carbon Monoxide, 16.4 tons per year of Volatile
12 Organic Compound and less than 1 ton per year of
13 both Sulfur Oxide and Particulate Matter less
14 than 10 Microns.

15 The Department is holding this hearing
16 to allow all interested parties to testify with
17 comments on this plan approval application. This
18 hearing is being transcribed. At the start,
19 please state your name and whom you represent for
20 the record before you begin. If you are a
21 resident, resident is fine. Each organization
22 should designate one witness to present
23 testimony. I think we actually have time for
24 more.

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1 Following your testimony, we may need to
2 ask you for additional information. This hearing
3 will not be a question-and-answer session.

4 However, I can assure you that we will address
5 all comments and questions concerning the
6 proposed plan approval before any determination
7 is made. All oral or written comments received
8 will become part of the public record. We will
9 prepare a response prior to final action on this
10 plan. We will send a copy to anyone who included
11 an address or email on the record of attendance.

12 Anyone who has written comments to
13 submit, please do so now.

14 (Submissions handed up.)

15 PUBLIC ATTENDEE: I wanted to read mine
16 and then can I hand it in?

17 MR. WIENER: You can give it to me and
18 then submit. Give it to me when you are done
19 reading it.

20 PUBLIC ATTENDEE: Can you read off the
21 number of documents that you received for the
22 record?

23 (Documents counted at this time.)

24 MR. WIENER: I think for the record we

1 have approximately 184 comments or submissions of
2 comments.

3 (Applause)

4 MR. WIENER: Nicole is going to take
5 time. We are going to go through the list.
6 Please try to state your name first. If you are
7 representing an organization, please try to speak
8 clearly so the court reporter can get.

9 Our first person is Matthew Wang.

10 MR. WANG: Matthew Wang. I'm affiliated
11 with 350 Philadelphia. So, most of my spoken
12 comment you can find in the document, eight-page
13 document I submitted which outlines basically a
14 sample of other transit agencies that have found
15 ways not to use fossil fuels. And these transit
16 agencies have committed to powering their systems
17 with clean renewable energy.

18 Regarding the plant at Midvale Depot
19 that SEPTA has proposed, SEPTA has yet to submit
20 any type of comprehensive alternatives analysis.
21 They have not done a health study that determines
22 the human health impacts on local residents. You
23 know, essentially, the comments that I have can
24 be found in that eight-page document that I

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1 submitted. It outlines a summary of the Fossil
2 Free SEPTA Campaign in which 350 Philadelphia, 57
3 other organizations, hundreds of other people
4 have gone to SEPTA board meetings over the last
5 year and a half and tried to get some type of a,
6 you know, logical response.

7 So you know, we are still wondering why
8 this gas plant is necessary. And we hope that
9 Mayor Kenney is serious when he says that, you
10 know, he's committed to clean energy.

11 That's all I have.

12 (Applause.)

13 MR. WIENER: The next is Mitch Chanin,
14 please. I apologize in advance for butchering
15 all these names.

16 MR. CHANIN: There is no butchering. My
17 name is Mitch Chanin. I also work with 350
18 Philadelphia, that's 3-5-0 Philadelphia. I have
19 way more than five minutes of things, but I will
20 prioritize.

21 What I wanted to say and I guess also
22 ask of AMS is how, and if it's possible, to
23 address what we perceive as some significant
24 shortcomings of the method that AMS has used to

1 evaluate the project. One of them is that it
2 isn't clear if there's been consideration for the
3 serious overburden of air pollution and related
4 illnesses in the neighborhood. The EPA EJ screen
5 website estimated that the area within one square
6 mile radius of the -- one-mile radius, sorry, of
7 the plant ranks 78th percentile nationally for
8 exposure to particulate matter and the 90th and
9 95th percentile for exposure to diesel exhaust.

10 As we know, there is a highway just a
11 couple blocks away and a bus depot where there
12 are 300 diesel buses right next to the site where
13 SEPTA wants to put the gas plant. There is also
14 a freight railroad that pulls -- that uses diesel
15 engines and pulls oil trains right next to that
16 site, as well, which are off gassing volatile
17 organic compounds and all kinds of other stuff.

18 I understand there was some modeling
19 done, but I'm not -- I would like to know more
20 about how and if it fully addressed the range of
21 hazards that people are already exposed to. And
22 how and if it's possible, to look at the health
23 impact of -- in combination with multiple
24 pollutants from those different sources rather

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1 than just each pollutant in isolation.

2 Another issue that I want to raise is
3 about a pollutant that was not covered, ultrafine
4 particles which are very, kind of very small
5 particle matter that needs to be measured
6 separately from the larger particulates that the
7 report referenced, the PM2.5. These are much,
8 much smaller. And experts have argued that it
9 does not make sense to measure them by the mass
10 because they weigh so little. They need to be
11 counted -- the number of particles is what needs
12 to be addressed because the health impact comes
13 from the number of particles and not the weight
14 of the particles.

15 I want to read just a couple of quotes
16 from the sources that we came across in our
17 research really quickly just to bring forward why
18 we're concerned about this. The Electric Power
19 Research Institute, which is a research
20 institution that is backed, I believe, by the
21 utility industry produced a report in 2013 called
22 Air Quality Impacts from Natural Gas Extraction
23 and Combustion. The relevant section says the
24 following: While very limited data exists

1 regarding exposure and toxicity issues related to
2 natural gas extraction activities and combustion
3 and power plants, some general conclusions can be
4 drawn. Due to shorter stacks and lower
5 temperature flue gas than for coal-fired plants
6 as well as higher likelihood of being located in
7 more densely populated areas, natural gas-fired
8 power plant plumes may be more susceptible to
9 down rush, less dispersion and, thus, potentially
10 higher population exposures near the facility.

11 The review of emissions suggests
12 ultrafine particles may be emitted in high
13 particle numbers from natural gas power plants.
14 Some evidence does exist that certain types of
15 ultrafine particles have an independent role in
16 human health impacts and are, perhaps, more of a
17 health concern than larger size particles.
18 However, this would have to be determined on a
19 facility-by-facility basis with measurements and
20 modeling.

21 We have a whole file of research that I
22 can share if that's helpful related to ultrafine
23 particles from natural gas combustion. There was
24 one study that found from a slightly different

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1 technology from gas turbines -- I'm sorry. I'm
2 almost there. Okay. Never mind that. But there
3 is evidence that they -- the concentration in
4 the -- of ultrafine particles in exhaust from the
5 power plants was, like, four orders of magnitude
6 above the ambient level. So, that's a
7 significant amount of pollution. And I feel very
8 strongly that it should be addressed.

9 We recognize that EPA doesn't have a
10 standard for ultrafine particles, but I would
11 love to talk more and understand how and if AMS
12 has the leeway to address health concerns about
13 pollutants that we hope will be regulated but are
14 not yet regulated. And I just wanted to
15 reference one other very short piece about
16 ultrafine particles.

17 (Timer goes off.)

18 Is that my five minutes? Okay. I will
19 read this really fast. Oh, not too fast. It's
20 very short. There is an article in New Scientist
21 Magazine, which is like the British version of
22 Scientific American. It's a very reputable and
23 mainstream science journal. This was in April
24 26, 2017.

1 It said: Pollution nanoparticles may
2 enter your blood and cause disease. This is
3 about -- they're calling it nanoparticles. Just
4 another word for ultrafine particulate matter.
5 So it's said, you won't breathe easy after
6 reading this. Few of the nanoparticles in the
7 air you are inhaling are entering your
8 bloodstream and building up in the diseased areas
9 of your arteries. This finding could help
10 explain why air pollution raises the risk of
11 heart disease and strokes. But what's really
12 worrying is that it suggests the current laws and
13 efforts to regulate air pollution are focusing on
14 the wrong particles.

15 "We are potentially looking in the wrong
16 place." Says David Nuvie, who is a professor at
17 the University of Edinburgh, UK.

18 Numerous studies have shown that air
19 pollution leads to millions of premature deaths
20 worldwide each year. Even in Europe with its
21 relatively clean air, air pollution is blamed for
22 400,000 premature deaths a year. Most of these
23 deaths are due to the raised risk of
24 cardiovascular disease. Simply being exposed to

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1 high pollution for short periods can trigger
2 heart attacks and strokes, while long term
3 exposure causes vascular damage. The big
4 question is why. It has long been suspected that
5 some of the nanoparticles we breathe could get
6 into the bloodstream and damage blood vessels.
7 But until now, this had never been shown. These
8 nanoparticles are most likely carbon compounds.
9 And finding them inside carbon-based life forms
10 like ourselves is extremely difficult. It goes
11 on to describe an experiment where they found
12 very large numbers of these entering the
13 bloodstream and lodged in plaque in the heart
14 vessels.

15 And so, I just wanted to bring that
16 forward to further provide evidence that there is
17 significant concern about this pollutant that
18 hasn't yet been addressed. And we really urge
19 and hope and implore AMS to look at it.

20 Thank you. (Applause.)

21 MR. WIENER: Peter Winslow.

22 MR. WINSLOW: My name is Peter Winslow.
23 I'm here speaking on behalf of 350 Philly. I'm a
24 member of the Board of Penn City. I also speak

1 on behalf of the 57 organizations that have
2 joined 350 Philly and the campaign in opposition
3 to this adjacent project.

4 Beyond that, I also speak on behalf of
5 the people that I have come to know who are my
6 friends and neighbors who live in Nicetown and
7 Germantown and other communities that are in
8 proximity to the facility. This plant facility
9 who currently suffers high rates of asthma and
10 other illnesses that will only be exacerbated by
11 this project. That is who I am here to speak
12 for.

13 But before I do, I would like to thank
14 you, Mr. Wiener, and also members of the AMS
15 staff. Many of the people who are here may not
16 be as familiar as I am with the work that AMS
17 does. It is one of the most significant and hard
18 working departments within the Department of
19 Health that protects us from harm. And I thank
20 you, and I thank Cass and the entire staff
21 overworked, underfunded. You do a terrific job.

22 And I want to make it clear that neither
23 I nor any of the people here are critical of AMS
24 and the work that you do. We are critical of

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1 SEPTA. We felt that SEPTA is an irresponsible
2 corporate citizen. We think that SEPTA has an
3 obligation to the people of this city, the people
4 of this region that it's abrogation completely.

5 PUBLIC ATTENDEE: "Amen."

6 MR. WINSLOW: And we object today and we
7 will object tomorrow and we will object until
8 they change their ways, until a corporate culture
9 changes and they stop being so arrogant. Until
10 the corporate culture changes and they recognize
11 that it's essential that SEPTA along with
12 everybody else go for -- join in an immediate
13 transition, rapid transition from fossil fuels to
14 renewable sources of energy.

15 It's that sample.

16 PUBLIC ATTENDEE: Because we have a
17 right to breath.

18 MR. WINSLOW: We have a right to breath.
19 We have a right to a sustainable planet.

20 Mayor Kenney has just come out with
21 other mayors of the 85th Annual Conference of
22 Mayors with a series of resolutions that we like
23 to environmental considerations, and we would
24 like to the need to support the Paris climate

1 accord. This is contrary to that. This is
2 contrary to stated public policy on part of the
3 city, on the part of the Mayor, the City Council
4 and the leaders of this community.

5 But there is nothing you can do about it
6 because your responsibility is to enforce the law
7 as it's handed to you by the federal government,
8 primarily from the Environmental Protection
9 Agency; by the state government, primarily the
10 Department of Environmental Protection; and by
11 the city that determines the regulation of the
12 the Department of Health.

13 So, you're responsible for following the
14 rules. You are the -- you are the umpire, the
15 referee if you will. But within the restrictions
16 that you have, there are things that I'm hoping
17 AMS can do more. The way in which the EPA and
18 the DEP look at the matters related to the
19 issuance of an air permit is terms of --

20 AMS STAFF: You have one minute left.

21 MR. WINSLOW: I will come back later.

22 In terms of the amount of poison the
23 pollutants that any particular facility can put
24 into the atmosphere, this is looking at this

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1 problem the wrong way. Yes. Those rules are
2 important. But what's more important is to look
3 at the outcomes, to look at what happens within
4 the community, to look at what happens from the
5 health of the people in the community. And this
6 community with this plant is being proposed to be
7 built has the highest rate of childhood asthma in
8 the city.

9 31 percent of the kids in school have
10 asthma. The kids who show up at Temple in the
11 emergency room because of respiratory problems
12 come largely from this neighborhood. SEPTA
13 refuses to do a health study. The health study
14 should be done, and it should be done by the AMS
15 by the Department of Health.

16 I will be back later.

17 (Applause.)

18 MR. WIENER: Eric Marsh.

19 MR. MARSH: Good evening, everyone. My
20 name is Eric Marsh. I'm a resident of the 19140
21 ZIP code for about 30-plus years. I'm also a
22 business owner. Own a business and working
23 construction for almost 20 years. I am also
24 representative of the parents of Edward T. Steel

1 School, which is in walking distance of the
2 proposed plant. And I am also a father. My
3 three children are outside in the playground
4 playing right now. I have a fourteen year old, a
5 six year old and a seven-year old.

6 My seven-year-old daughter was just
7 diagnosed with asthma six months ago. The fact
8 that her school is within walking distance of
9 this proposed plant is heartbreaking to me. From
10 the standpoint of a business owner, I look at the
11 proposed plans that SEPTA has for this plant.

12 And from my perspective, it is equivalent to our
13 current President's call to reinvigorate the coal
14 industry. We are using an outdated and outmoded
15 form of energy, and it's not even built yet.

16 Why are we going backwards? Why is
17 SEPTA choosing a form of energy supplementation
18 that does not match the City's plans for becoming
19 green and energy efficient by the year 2050, I
20 believe it is. So, it's almost as if the City --
21 SEPTA is in contradiction with the process that
22 the City has laid out for itself and for its
23 residents.

24 Again, from my background in

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1 construction, I understand that even though
2 permits have been allowed or applied for, there
3 is no reason why this process can't be stopped.
4 Can't be altered. As a parent volunteer at a
5 school with over 600 children, I see the effects
6 of asthma on a daily basis. As the seasons
7 change and weather got warmer, more and more
8 children visited the school nurse. More and more
9 children were out for sick days. And I think it
10 would be deplorable for SEPTA, for our citizens,
11 our residents, my neighbors to allow for this to
12 happen.

13 It's unconscionable that they would even
14 consider putting a plant like this, again, in the
15 same space where we already have 300 diesel buses
16 already operating on a daily basis.

17 As a father, when I see my child having
18 days where it's hard for her to breathe knowing
19 that there is nothing additional around that I
20 can do, there is almost nothing I really can do
21 to change the air for her to make her life
22 easier, knowing that this is then being proposed
23 to make it even harder for her to breathe, I'd be
24 a full to stand by and let it happen.

1 So, I encourage everyone here to do what
2 they can to implore SEPTA to stop this process,
3 to seek alternative ways of -- alternative forms
4 of energy. There have been some information
5 that's already been shared about many cities
6 across the country and in other countries that
7 found alternative ways of using battery systems,
8 solar power to serve the same purpose.

9 And again, as a father, as a business
10 owner, as a resident of Nicetown, I urge everyone
11 here to join us, join me in making sure that
12 SEPTA doesn't finish the process of completing
13 this plan.

14 Thank you.

15 (Applause.)

16 MR. WIENER: Eric Brice, please. Eric
17 Brice.

18 MR. BRICE: Good evening. My name is
19 Eric Brice. And I'm with the 35th Police
20 District Townwatch. And the 35th Police District
21 sits just, I guess that would be, northwest of
22 here at the proposed plant location.

23 I was made aware of this project real
24 late, so that means I had a lot of catching up to

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1 do, a lot of reading. And I did a lot of
2 reading. And I like to hear both sides of the
3 argument. And I went to the meeting at Steel
4 School. And I heard all the energy and all the
5 fervor, concerns that the residents had, and I
6 heard SEPTA's proposal.

7 What struck me was that SEPTA had the
8 experts claiming that, well, we understand the
9 environmental and air quality and all these other
10 issues. Our priority is going to be within
11 standards of each day. We're not making it
12 worse. We're not making it worse than they
13 already are. Okay. And they thought that was
14 acceptable, that we are not going to make it
15 worse than it already is. And I found that kind
16 of deplorable. That your argument is that you
17 are not making it worse. It's already bad. You
18 recognize it's bad, but you're not making it
19 worse for the residents.

20 But one thing I didn't hear that I have
21 the question, why hasn't there been substantial
22 investigation into an alternative energy source?
23 I mean, I hear all -- I mean, I reiterate what
24 Peter said, what Mitch said, what Eric said.

1 Everything they said I agree with, makes sense.
2 But you know all the stats and all the numbers.
3 The thing that strikes me is, we are moving in
4 the direction of renewable energy.

5 Mayor Kenney campaigned on, we are going
6 to be that transformative city on the part of the
7 pack with Seattle. We are going to be one of the
8 the -- we are going to be vanguard of being an
9 environmentally friendly, environmentally sound
10 city moving forward. But because of the natural
11 gas politics in the state, he is back pedaling on
12 that. SEPTA seems to be back pedaling on that.
13 I would like to know why hasn't there been
14 substantial reports and substantial investigation
15 into the appropriate renewable energy source that
16 would make better sense, that would make them
17 look good, that would make the City look good and
18 make the citizens feel proud that they have a
19 public utility that keeps their health concerns
20 first and foremost for profits? I can't answer
21 that. I want to know why is that? I would like
22 that to be put to SEPTA.

23 As far as AMS is concerned, you guys are
24 doing a great job. I know you have a permit to

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1 approve. I want you guys to have in the back of
2 your mind why haven't they at least done a
3 thorough exhaustive investigations of renewable
4 energy. I would like to know why.

5 (Applause.)

6 MR. WIENER: Beverly DeCir.

7 MS. DeCir: Hi. My name is Beverly
8 DeCir, and I am a nurse. I am appalled that in
9 2017, we are proposing to build a plant that will
10 put 38 tons of pollutants into the air. And I
11 think -- I think the Board is ridiculous that
12 it's going to be in a high population area. It
13 is bad enough with going anywhere, but in the
14 middle of the City.

15 And I failed to say I am a Center City
16 resident. And I am very concerned about this.

17 What I am most concerned about are the
18 pollutants that are listed here. There is about
19 six or seven. I really find that hard to believe
20 that these are the only possibilities for
21 pollutants. So, my particular question to the
22 AMS is will there be any other possible
23 pollutants like arsenic. You got lead coming
24 out. Arsenic is the another possibility.

1 Fluoride. I would like to know if there is going
2 to be fluoride emissions. And mercury, will
3 there be any mercury as well as radionuclides. I
4 know that when things come out of the ground for
5 any product, there are numbers of chemical
6 elements that can result in producing the
7 product.

8 So, when you say that lead is going to
9 release in a negligible amount, well, that's
10 really -- I mean, when the goal is to have zero
11 lead emitted into the air, I don't think that a
12 negligible amount is acceptable at all. So, I
13 would object to any more lead be permitted into
14 Philadelphia's air. So, I open my specific
15 questions on those chemicals and also
16 radionuclide.

17 So the other question I have is, how has
18 the City notified residents that this could be
19 built? I have friends that I tell them I am
20 going to a meeting about this, they have no idea.
21 They have not heard about this. They said, they
22 are building a plant in the City? And they are
23 appalled when I tell them, but they don't know
24 about it. So, I really think the City of

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1 Philadelphia should notify every single resident
2 of the City and tell them that this is going to
3 be built.

4 So, I would appreciate those answers.
5 And I would like them to notify every resident.
6 And I would like to know about possibilities of
7 the chemicals. Because I know the EPA has
8 ridiculously high acceptable levels of so many
9 pollutants. And I don't feel that the EPA can be
10 trusted to look out for public's health in a
11 reasonable way. And their standards are
12 ridiculously high. And what -- it relates to our
13 health.

14 So thank you very much.

15 (Applause.)

16 MR. WIENER: Meena Raval, please.

17 MS. RAVAL: Hi. I am a Philadelphia
18 resident and a member of 350 Philadelphia. And
19 I've been trying to explain our perspective to
20 SEPTA for the past year and a half. I am going
21 to speak as a response to SEPTA's points.

22 They say that the plant will not effect
23 public health. And we say that the neighborhood
24 is already burdened with a great deal of air

1 pollution. More than one out of three children
2 here have asthma. You already listed the tons of
3 the different stuff that is going to come out of
4 this plant. The nitrous oxide, the carbon
5 monoxide and the VOCs that you mentioned are all
6 contributors to formation of smog in the air
7 which leads to asthma. There is a direct
8 correlation to the kids with asthma and this
9 power plant.

10 SEPTA's other point is that this gas
11 plant will reduce carbon dioxide emissions by
12 41 percent. We disagree with that. If the
13 greenhouse gas emissions reduction is going to be
14 a lot less than SEPTA has claimed, we think it
15 would be no more than 20 percent. SEPTA has not
16 taken into account the potential impact of
17 methane leaks from the process of extracting,
18 transporting and the burning of natural gas.

19 SEPTA is assuming that the reduction is
20 because with them putting the power plant on
21 line, there will be less coal usage than
22 electricity. That is -- hardly any coal plant.
23 That is a valid point they are making.

24 For SEPTA's other point, is this is a

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1 combined heat and power plant, therefore, it's
2 sufficient. And therefore, it's a good thing.
3 Power -- combined heat and power means close to
4 100 percent of the heat that would have gone up
5 the chimney gets used in the building space to
6 heat the water or the space. This plant that
7 SEPTA has would utilize only 35 percent of the
8 heat. The other 65 percent is going up the
9 chimney. So, I'm not sure how efficient that is.
10 And the 35 percent is from SEPTA numbers. We
11 didn't make that up.

12 SEPTA's other reason for going ahead
13 with the plant is resilience in the face of
14 climate. We think it's completely illogical to
15 prepare for climate change by building a new
16 fossil fuel power plant.

17 (Applause.)

18 MS. RAVAL: Lastly, I want to close with
19 when the Pope visited our City two years ago, we
20 locked down Center City from cars. And the air
21 quality literally cleaned up overnight that one
22 weekend, so it is possible to clean up our air
23 one fossil fuel plant at a time.

24 MR. WIENER: Pritama Agrawal, please.

1 PUBLIC ATTENDEE: Not here.

2 MS. MELTON: I would like to read hers.

3 MR. WIENER: That is acceptable.

4 Certainly.

5 MS. MELTON: My name is Karen Melton. I
6 thought I was next on your list.

7 MR. WIENER: Oh, I'm sorry.

8 MS. MELTON: That's okay. I will do
9 Pritama then mine.

10 Pritama leads a Sierra Club Group called
11 Ready For 100. And I would like to read her
12 letter to you.

13 "The Sierra Club respectfully urges you
14 to deny SEPTA's permit application for the next
15 town gas plant. As cited below, the Department
16 of Health should table this permit application
17 until further review is conducted. You may ask
18 that the Department follow Mayor Jim Kenney's
19 lead in proactively addressing climate and its
20 impact to marginalize communities.

21 "The Sierra Club's mission includes
22 commitment to practicing and promoting
23 responsible use of the earth's ecosystems and
24 resource. For years, SEPTA has been an industry

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1 leader in deploying cutting edge technologies to
2 deepen its positive environmental impact.
3 Approving this permit application, however, would
4 discourage SEPTA from deploying innovative
5 technologies in the Philadelphia region at a time
6 when critical environmental protections are being
7 eroded. Close to 37,000 people live within a
8 mile of the proposed power plant site in
9 Nicetown. The majority of which are
10 African-American.

11 "According to U.S. Environmental
12 Protection Agency, a child within the Nicetown
13 section of North Philadelphia is about four times
14 as likely to have asthma as the average American
15 child. Pollutants released by natural gas power
16 plants such as proposed Nicetown plant, are known
17 to contribute to asthma, heart disease, strokes
18 and a variety of other serious problems. It is
19 unclear whether the Department has adequately
20 examined the harm caused by exposure to the
21 multi-pollutant mixture of particulate matter,
22 ozone and other hazardous air pollutants. We ask
23 that the Department conduct a further study into
24 these potential health impacts.

1 "Last week Mayor Kenney recently became
2 the 100th Mayor to transport a transition to 100
3 percent clean energy. Yesterday the U.S.
4 Conference of Mayors passed a landmark resolution
5 supporting 100 percent clean energy by 2035.
6 SEPTA can play a crucial role in achieving this
7 goal.

8 "We ask that you deny this permit and
9 conduct further review of this project, explore
10 the potential impact to the surrounding
11 communities, and identify project alternatives
12 that meet the City's transportation needs in ways
13 that benefits the people of Philadelphia."

14 (Applause.)

15 MS. MELTON: Karen Melton. I live at
16 3232 West Penn Street, which is exactly a mile as
17 the crow flies and as the air blows upwind of the
18 plant. And I will be giving you a copy of this,
19 as well.

20 At one of the community meetings that
21 was held about this plant, a Nicetown resident
22 got up and said: You realize, you are talking
23 about how to convince our government not to
24 poison us.

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1 That's really what we are talking about
2 this evening. We get that it's legal. SEPTA has
3 been careful to size this plant so it falls just
4 under the EPA threshold that would invoke more
5 regulation, and that's legal.

6 We get that you Air Management Services
7 have a limited scope of review for this permit,
8 and that's legal. We get that industry uses its
9 influence to make sure the least restrictive
10 pollution standards go into effect. Then when
11 the plants rebuild and people get sick, they are
12 able to say they meet all of the regulatory
13 requirements, and that is legal.

14 The consequences of this air pollution
15 won't with a big catastrophic event like the
16 recent fire in London where eventually we will
17 actually know who produced the product, who
18 approved the regulations that allowed it to be
19 used, who lobbied for those regulations and who
20 didn't do enough safety research. But because it
21 was a highly visible national tragedy, steps are
22 already being taken to remove specific hazards
23 from other buildings.

24 In case of air pollution in

1 Philadelphia, it's one child at a time can't go
2 outside for a day or has to be taken to the
3 emergency room because they can't breath. We
4 never know whether the last straw in triggering
5 an asthma attack was the SEPTA gassed by a power
6 plant or traffic on Roosevelt Boulevard or the
7 300 diesel buses in and out of the Midvale Depot
8 or just all of it combined. But we will know
9 that our government was conclusive in poisoning
10 us while everyone followed the law.

11 PUBLIC ATTENDEE: Boo.

12 MS. MELTON: We have been asking SEPTA
13 for more than a year to hold themselves to a
14 higher standard. And this evening we ask you the
15 same. Even though it's perfectly legal, please
16 don't issue a permit to poison us.

17 (Applause.)

18 MR. WIENER: Florence Buckley, please.

19 MS. BUCKLEY: I turned in about 250 of
20 these postcards that were signed by individuals
21 asking AMS for what everybody from 350 and
22 everybody else not from 350 has said. You know,
23 nothing new there.

24 I am going to be 70 years old in two

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1 months. I come from a time when I felt like
2 people cared about each other and that things
3 that were important, had to do with people and
4 had to do with taking care of people, taking care
5 of each other. No matter how poor my parents
6 were, there were two things that they made sure
7 that we always had was health. Once a year, we
8 were all dragged to the doctors, you know, was a
9 little rural town. And we would go to the
10 dentist and were well then, but other stuff
11 didn't matter.

12 But to know that other people were
13 important and nobody was better than I was, and I
14 wasn't better than anybody else. And that what
15 mattered and who mattered were the people, the
16 people around us.

17 PUBLIC ATTENDEE: Yes.

18 MS. BUCKLEY: The profits didn't matter.
19 The corporations didn't matter. Eisenhower was
20 the first president I remember -- corporate taxes
21 were like 90 percent or something because we were
22 a society that were structured in the fucking new
23 deal.

24 PUBLIC ATTENDEE: Yes.

1 MS. BUCKLEY: And we need -- we need
2 something else because this is not a society
3 structured to take care of any our needs. It's
4 totally structured for profit.

5 (Applause.)

6 MS. BUCKLEY: We have the Department of
7 Health. And I hope they will do their job. I
8 know there are limits on what they can do. But
9 people here haven't reached their limits yet. So
10 you know, I -- we will keep coming back and we
11 will be the places that we have to be.

12 Thanks, everybody, for being here.

13 (Applause.)

14 MR. WIENER: Nancy Liles, please.

15 MS. LILES: Okay. I live within -- I
16 don't know where to stand -- one mile of the
17 proposed SEPTA gas plant at Wayne Junction.

18 PUBLIC ATTENDEE: Louder.

19 MS. LILES: I'm real angry and
20 disappointed. That is why I am here tonight.
21 The plans to build this facility have been
22 allowed to get this far in spite of widespread
23 opposition in the community. Now I have heard a
24 local politician refer to this gas plant as a

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1 possibly win-win situation for my neighborhood.

2 Well, I can tell you, I have yet to meet one
3 person, one single person among my neighbors who
4 believes this.

5 (Applause.)

6 MS. LILES: We see it as a lose-lose
7 situation and of no benefit to us whatsoever.

8 PUBLIC ATTENDEE: None at all. None at
9 all.

10 MS. LILES: It will only benefit the
11 natural gas industry. People who, I can assure
12 you, do not live in this neighborhood or care
13 about this neighborhood.

14 PUBLIC ATTENDEE: That's right. That's
15 right.

16 MS. LILES: This community which I
17 love -- I moved here 40 years ago, and I intend
18 to stay here -- is densely populated. And it's
19 already too polluted. A gas plant would further
20 diminish the air quality and contribute to the
21 skyrocketing incidence of asthma especially among
22 children and the most vulnerable.

23 So I ask you, AMS, please listen to our
24 concerns and support us in our efforts to stop

1 the gas.

2 PUBLIC ATTENDEE: Yes. Yes.

3 MS. LILES: What we are asking for is
4 something so simple, but so important. It's a
5 right guaranteed to us in the Pennsylvania State
6 Constitution. We are asking for the right to
7 breathe clean air.

8 PUBLIC ATTENDEE: Yes.

9 (Applause.)

10 MR. WIENER: Lynn Robinson, please.

11 MS. ROBINSON: Hi. I am Lynn Robinson I
12 am Philadelphia school teacher just retired a few
13 days ago.

14 PUBLIC ATTENDEE: Yay.

15 MR. WINSLOW: Thank you for your
16 service.

17 MS. ROBINSON: I live in Germantown one
18 mile from the plant. I am Nancy's neighbor. I
19 represent -- I worked with two organizations and
20 started my own, 350 and Energy Justice Network.
21 And I start something called GAG, which is
22 Germantown Against the Gas pipe.

23 I have this letter here that I wrote
24 with Michael E. Wallings, an environmental

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1 lawyer. And what I would like to do is kind of
2 paraphrase and summarize because it's a little
3 bit long. Before that, I just want to say that
4 people have brought up questions about why is the
5 this happening? Why aren't we looking at
6 renewable? What is wrong with SEPTA?

7 And besides submitting this letter, I
8 also submitted a petition which answers the
9 questions. SEPTA has absolutely no reason to
10 make electricity in the City of Philadelphia.

11 PUBLIC ATTENDEE: That's right.

12 MS. ROBINSON: They don't need any
13 electricity.

14 PUBLIC ATTENDEE: Not at all.

15 MS. ROBINSON: There is no need for them
16 even to look at alternatives because they don't
17 need electricity. They have plenty of supply
18 from PECO. There has never been a problem with
19 supply. So, why are they doing this? They are
20 doing it because they have their arms twisted
21 behind their back like the Natural Gas Industry
22 in 2012 or before.

23 So back in 2012, a Stan Sailwart a --
24 he's the Republican WHIP in the state legislature

1 read in SEPTA's funding because SEPTA had decided
2 against using buses that compress natural gas.
3 At that time, they thought they could convert
4 their old bus league into new one and use
5 compress gas. But they changed their mind
6 because it was inconvenient, it was too
7 expensive. It was hard in the city. When they
8 did that, they had their funding threatened.

9 At that point, they decided to make gas
10 plants and become a gas customer anyway.

11 PUBLIC ATTENDEE: Boo.

12 MS. ROBINSON: That is why we are here
13 today. And I am sorry, but the Health Department
14 should not permit anything that is purely for
15 profit. If it's going to be poisoning people and
16 it's not necessary at all, they should not even
17 consider it.

18 And I want to say something about
19 legalities. I want to say something about the
20 law. My people who are Jewish were in a
21 situation where it was the law that they could be
22 put into trains and taken to a concentration camp
23 and put into a shower that was benign and full of
24 poison gas. And that was the law, that was legal

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1 back then. Just because it's the law, it doesn't
2 make it right.

3 PUBLIC ATTENDEE: That's right.

4 MS. ROBINSON: I am a school teacher.

5 33 in the classroom is the law. That's the
6 limit. It's dysfunctional. It doesn't work.

7 So, nobody says you have to push the
8 limit to the ultimate dysfunction, you know.
9 When you -- yeah. You can avoid arrest by, you
10 know, saying, well, it's the law. But no one is
11 saying you have to push things to the limit. And
12 you know, I think that there has to be a judgment
13 call here. You have to listen to the City's
14 goals to clean up our act.

15 Philadelphia has a nickname called
16 Filthy-delphia. And we are trying to change
17 that. That is why we spoke -- the petition, I
18 will summarize.

19 The first part talks about the Mayor.
20 You already heard that already. I would like to
21 read the part about civil rights and
22 environmental justice.

23 The Civil Rights Act of 1964 prohibits
24 any recipient of federal funds from taking

1 actions that have a discriminatory effect by
2 race, color or national origin. This legal
3 obligation covers the City of Philadelphia and
4 requires the City --

5 AMS STAFF: You have one minute left.

6 MS. ROBINSON: -- to study and be sure
7 environmental permitting decisions that any
8 impacts to health or otherwise will not have a
9 discriminatory effect. According to federal
10 court decisions and the U.S. Department of
11 Justice, more -- mere compliance with permit
12 limits is not sufficient to meet this obligation.

13 Additionally, even if compliance or
14 permit limits satisfies civil rights law, it is
15 unreasonable to assume a facility will never
16 violate permit limits over it's lifetime.

17 I am going to divert right here. This
18 facility has no equipment to study the data. No
19 data collecting equipment.

20 PUBLIC ATTENDEE: Once every three
21 years.

22 MS. ROBINSON: No, no, no. Once every
23 three years they are not even looking at that.
24 Emission data. The only data they are looking at

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1 is how much gas they are burning. They are not
2 collecting pollute -- like, information about
3 what is the influence from the plant. That is in
4 the plan on the AMS website.

5 In all of them, there is no -- not one
6 of those four documents that contradicts this.
7 So, there is no way to monitor anything. And
8 they think that, well, our equipment is new.
9 It's going to work fine, and we are just going to
10 burn certain amount. That just doesn't cut it.

11 I will come back.

12 (Applause.)

13 MR. WIENER: Marta Guttenberg, please.

14 MS. GUTTENBERG: My name is Marta
15 Guttenberg. I am a retired pediatric
16 pathologist. I am a member. I hope my dues are
17 up to date of physician for social
18 responsibility. They will tell me if I am in
19 arrears.

20 (Laughter.)

21 MS. GUTTENBERG: This is not the first
22 time I have spoken to the -- to this office, the
23 Air Management Office. And I am going to say
24 again what I said the last time. And what a

1 number of people have expressed putting a very
2 personal face to the problem. Even though I am
3 now retired, I do follow some of literature in
4 pediatric health and disease. And yet another
5 study has come out of it from John Hopkins about
6 the rise and increase in asthma based on the
7 closeness to power plants and other kinds of
8 industrial installations. It's old news.

9 Somebody is perhaps padding his or her
10 C.V. for promotion. But even though this data is
11 sole reproducible, our government doesn't seem to
12 realize that every one of those data points is a
13 beloved child.

14 PUBLIC ATTENDEE: Speak up.

15 MS. GUTTENBERG: Sorry. And I would --
16 I would ask you to consider all of the reasons
17 that has been presented why this plant is not an
18 appropriate development and also include this
19 flood of data about the ill effects on child
20 health.

21 Thank you.

22 (Applause.)

23 MR. WIENER: Lisa Hastings.

24 MS. HASTINGS: My name is Lisa Hastings.

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1 I am here as a citizen involved in many berths,
2 but I am here mostly because I am environmental
3 scientist and I have worked in this for years. I
4 am asking AMS to deny this permit for lots and
5 lots of reasons.

6 There are public health concerns which
7 have been very eloquently addressed. The fact
8 that a lot of the information that SEPTA used in
9 developing this process was partial, outdated and
10 misleading. And that's a bad thing to base a big
11 public health issue on.

12 PUBLIC ATTENDEE: Exactly.

13 MS. HASTINGS: Glad to give you as
14 personally as much information as you want on
15 them. There is a question about the intent of
16 this project which I will get to. The
17 environmental justice issue was brought up, but
18 that actually goes beyond the federal law.

19 The City of Philadelphia has their own
20 environmental justice law. Their environmental
21 justice policy is quite broad and it says no
22 group of people should bear more than their fair
23 share of the negative environmental consequences
24 of anything. That is then public or private. It

1 defines areas of concerns generally using ethnic
2 and economic indicators. These neighborhoods
3 that are impacted definitely fall within that.
4 And simply by respecting the environmental
5 justice policy of Philadelphia, this permit
6 should be denied since it's unfair to force the
7 residency of Nicetown and East Falls and the
8 areas around it to bear the air pollution and
9 associated public health risks created to run
10 regional railcars that are almost exclusively
11 benefit people outside this neighborhood.

12 PUBLIC ATTENDEE: Yes. Yes.

13 (Applause.)

14 MS. HASTINGS: That is not fair. If
15 anybody can show me that that is fair, fine. I
16 am saying you can't, and it violates another City
17 policy. Also, even though this is being
18 permitted as a minor synthetic source that can
19 get -- seem nice, it has the capacity -- it has
20 the capacity to operate as a major source.

21 And if it operates as a major source,
22 even SEPTA admits it will violate the nox
23 emissions and other things. And someone else
24 pointed out how it was not monitored, and that's

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1 true. Everything is done through self-reporting.
2 SEPTA is self-report. Well, first of all, there
3 is no way to know whether self-reporting truly
4 gives you an accurate picture. Even if it does,
5 it only gives you a picture of what happened.
6 They can tell us every year how much gas they
7 used. That doesn't tell us when or if they
8 contributed to any ozone violations. It's
9 ridiculous. There is absolutely no monitoring of
10 this.

11 And a facility that has the capacity to
12 be a major source of air pollution, should not be
13 permitted if there is no concrete physical
14 monitoring there. The City does not have the
15 ambient air quality monitors in the area either.
16 So basically, SEPTA chose a site in a poor
17 neighborhood in Philadelphia where they can do
18 whatever they want and no one will know.

19 PUBLIC ATTENDEE: That's right.

20 (Applause.)

21 MS. HASTINGS: Even if the profit was
22 all hunky dory, SEPTA never violated permit or
23 run this at capacity, there are problems with the
24 permit itself.

1 AMS STAFF: You have one minute left.

2 MS. HASTINGS: One thing that struck me
3 is that in order to meet all its requirements, it
4 has this catalyst equipment that will help you.
5 Well, those of us who went to meetings, know this
6 is a 20-year project. The catalyst equipment
7 that they are permitting this under is warrantied
8 for two years.

9 PUBLIC ATTENDEE: Boo.

10 MS. HASTINGS: And there is no condition
11 that it has to be replaced or upgraded if it
12 dies. Also, somebody told you in addition to the
13 the VOCs, this creates an additional source of
14 32,204.4 tons a year of increase from dioxide
15 emissions in Philadelphia. Even Mayor Kenney
16 that think this is going to reduce it because he
17 is looking at the SEPTA numbers that are first
18 outdated, and they are based on the large region
19 that includes four states.

20 In the City of Philadelphia itself, it
21 increases all of our emissions including carbon
22 dioxide. And actually, I will come back.

23 MR. WIENER: We are getting to be a
24 little more strict on the time.

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1 (Applause)

2 MR. WIENER: Walter Tran, please.

3 MR. SUH: I'm Walter Tran -- (Laughter).

4 No, I am Walter Suh.

5 MR. WIENER: I'm sorry.

6 MR. SUH: I am in a public health
7 physician with Philadelphia Physician Associate
8 Responsibility.

9 Last week Mayor Kenney committed the
10 City to get its electricity from 100 percent
11 renewable sources by 2050. It also embraced
12 Paris Accords, which means we are going to move
13 away from burning fossil fuels. The creation and
14 the maintenance of a SEPTA natural gas plant is a
15 perfect test case for the Mayor to solve to put
16 his word -- if the Mayor is serious, he will stop
17 this gas plant from being built and realize that
18 the money that would be used for this would be
19 better spent building battery storage and
20 purchasing renewable energy from PECO or other
21 alternative companies.

22 Creating this power plant would cost
23 millions of dollars, and it would require at
24 least a 20 or 30-year investment in burning a

1 natural gas as a return on this investment. And
2 frankly, the world and the City cannot afford to
3 burn any more fossil fuels if it is to keep
4 global warming below 1.5 degrees centigrade.

5 Approval of this plant is based on the
6 theoretical efficacy of the selective catalytic
7 reduction and oxidation of catalyst systems.

8 These systems require constant selective monitor
9 for nox, COs, VOCs, sulfur dioxide and other
10 toxic gases. And even as the most efficient of
11 these catalytic converters, 10 to 20 percent of
12 these noxious gases will waft through the
13 neighborhood of Nicetown, Germantown and East
14 Falls.

15 The permit already shows that this
16 carbon monoxide emissions of 27.2 tons per year
17 will already see the federal regulated limit of
18 25 as a major source of CO pollution. The
19 catalytic converters depend on a supply of
20 anhydrous ammonia, also a source of potentially
21 toxic and noxious gas in this neighborhood. And
22 the oxidated catalytic system requires very
23 expensive platinum honeycomb substrates. Same
24 story of the ammonia near our residential

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1 neighborhood is a serious concern.

2 The permit is based on something called
3 the Air Screen Pure Model. You will know that
4 the background based on this model plus projected
5 nox gas reaches 86.8 parts per billion, which
6 only 13 parts per billion below the "safe limit"
7 of 100 parts per billion. Now I don't know about
8 you, but I think this probably some statistical
9 error that would say this probably can exceed
10 that.

11 And of course, we don't know enough
12 about the other gases or ultrafine particulate
13 matters that Mitch had talked about earlier.
14 This seems to demand closer monitoring. I don't
15 know the details of this air screen model, but I
16 do know the area. And the SEPTA Roberts area
17 sits at the bottom of a hill. Any emissions,
18 even with a smokestack cannot overcome the
19 emitted gases from sending right over the
20 neighborhood of Nicetown that are right in
21 impoverished community.

22 The permit was approved. All requires
23 repeat monitoring every three years of burning
24 and natural gas. This is an extraordinary amount

1 of unregulated time. Finally, this enormous cost
2 is unnecessary. We don't have to worry about
3 burning natural gas, worry about storing ammonia,
4 dealing with the emissions or breaking the
5 Mayor's promise for 100 percent renewables just
6 one week after making it. Renewable is the
7 future for energy and Philadelphia should be
8 leading this everybody by denying this natural
9 gas permit.

10 (Applause.)

11 MR. WIENER: I want to admit, the major
12 source threshold of carbon dioxide is actually
13 100 tons per year. There was a typographical
14 error in one of our documents. That is our
15 fault.

16 Next is Ellen Weaver, please.

17 MS. WEAVER: Hi. Ellen Weaver. I'm
18 actually reading a letter from the Moms Clean Air
19 Force. And I'm a member of many of the 50
20 organizations that I am reading this:

21 Dear Air Management Services Staff,
22 Mom's Clean Air Force is a nationwide community
23 of over 1 million parents united against air
24 pollution, including the urgent threat of climate

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1 change to protect children's health. I am
2 writing to urge -- she says -- to withdraw
3 approval. I'm saying to not permit to protect
4 children's health. SEPTA's proposed gas plant in
5 Nicetown, pending a much more extensive
6 examination of the impacts to public health and
7 our changing climate.

8 An urban environment is already rife
9 with multiple sources of pollution. And
10 community members near this proposed site are no
11 exception and are, in fact, already inequitably
12 impacted by illnesses such as asthma that are
13 caused and exacerbated by pollutant air.
14 Breathing air that is as clean as possible should
15 be a right afforded all citizens of Philadelphia,
16 especially our youngest.

17 We have committed as a City to uphold
18 the principles of the Paris Agreement, and have
19 taken a step further by committing to 100 percent
20 renewable by 2035. We applauded Mayor Kenney and
21 the Office of Sustainability, Members of City
22 Council and others who have spearheaded this
23 initiative. However, methane, the primary
24 component -- she says natural gas.

1 I just want to make clear, it's fracked
2 gas. There is nothing natural in. Keep calling
3 it natural gas.

4 The methane that's a potent greenhouse
5 gas believed to be over 80 times more powerful on
6 average than carbon dioxide in the first two
7 decades after it's release. By all accounts,
8 this plant appears to be a definitive step
9 backwards in terms of achieving the goal of a
10 cleaner, greener Philadelphia. Parents strongly
11 urge you to prioritize public health and
12 environmental impact in your careful examination
13 of this proposal. Thank you.

14 And I would just like to add, I live
15 north of Nicetown. But when I've demonstrated
16 against this SEPTA, I have gone home and had
17 trouble breathing. I am very blessed not to have
18 asthma. I just want to add, this is really
19 serious. What's already happening there and how
20 much worse. Please, you are the last -- you are
21 the last people. Don't issue it.

22 MR. WIENER: Meg Newburger, please.

23 MS. NEWBURGER: So, I don't have much to
24 say. So many people here said things so much

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1 more eloquently. I'm a resident here. And I
2 live very close to where this is going to be
3 built. And you know, when I talk to my neighbors
4 and say things like why would they put this here?
5 Why would put it near a school? Why would they
6 put it near a gym facility? Why would they put
7 it near a park? Why would put this when we
8 already have a highway running through our
9 neighborhood?

10 You know, and it just doesn't make
11 sense. You people are here to protect us. And
12 we are asking you to protect us.

13 (Applause.)

14 MR. WIENER: Charles Sherrouse, please.

15 MR. SHERROUSE: I am Charles Sherrouse.
16 I'm in Oxford Circle. 1334 Eldridge Street. I
17 am going to summarize part of the testimony that
18 is submitted by Energy Justice Network with
19 others, particularly, regarding the lack of
20 continuous monitoring. And I just want to
21 preface that with because of the amendments this
22 City has recently made and the crisis we are in
23 on a global scale, I think we need to look for
24 much stricter, much more concrete enforcement

1 than what's happened in the past.

2 It's time to step up our game and to
3 fill of commitments that have been made by the
4 Mayor and others regarding global climate. But
5 this is specifically addressing local pollutants,
6 what it's going to mean for the neighborhood,
7 what has to be addressed.

8 It's typical of any power plant that
9 most polluters for continuous emission monitors
10 CEMs, to be used to monitor nitrous oxides,
11 carbon monoxides, sulfur dioxide, opacity, oxygen
12 and temperature at a minimum. This, itself,
13 leads to insufficient as it varies vastly
14 underestimates emissions, particularly those
15 emitted during the start up, shut down,
16 malfunction periods.

17 The power plant especially in a
18 residential neighborhood should have continuous
19 monitoring emissions based on real data, not
20 average monthly calculations in order to prevent
21 dangerous spikes that sickens people, pets and
22 wildlife. The draft plan approval fails to
23 require continuous monitoring for any pollutants
24 at all. There are no plan to monitor toxic

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1 emission, particulate matter, nitrous oxides,
2 carbon dioxide, sulfur dioxides or even oxygen
3 levels of the stack level, which would indicate
4 inefficient combustion. Emissions of greenhouse
5 gases and other prepared pollutants are
6 inherently to be estimated based on calculating
7 the amount of gas current per month by emissions
8 factors.

9 The draft plan approval sets exact
10 limits for nitrous oxides, volatile organic
11 compounds, carbon monoxide, particulate matter,
12 ammonia, formaldehyde and other
13 non-methane/methane hydrocarbons. There is no
14 requirement for continuous monitoring of these
15 emissions. Initial stack test can be done as
16 late as 180 days after startup than just once
17 every three years. This means the problem could
18 occur and potentially exist for three or two
19 years, eleven months and 30 days without
20 protection.

21 This is inadequate and inappropriate to
22 pretend to know what the actual emissions without
23 any monitor. Continuous monitoring of dioxins,
24 for example, have shown that typical annual stack

1 test and the U.S. underestimate actual emissions
2 by 30/50 times.

3 SEPTA instead of an outside
4 environmental agency is to be trusted monitoring
5 its own project and keep monthly records. Annual
6 or tri-annual, in this case, stack testing is
7 like having a speed limit or allowing drivers to
8 drive with no pedometers. Just setting a trap
9 once a year, and setting up warning signs for the
10 trap that there's a speed trap ahead.

11 (Laughter)

12 In reality, smoke stack facilities are
13 speeding many other days of the year without
14 excessive emissions, strength start up, shut down
15 malfunction times when testing is not done. The
16 technology exists to monitor all of the regulated
17 pollutants and more on a continuous basis and
18 ought to be required for all pollutants which are
19 regulatory limits.

20 And I will stop there.

21 (Applause.)

22 MR. WIENER: Liz Arnold, please.

23 MS. ARNOLD: Hi. My name is Liz Arnold.

24 And I live and work all over the City. And I am

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1 a former Outward Bound instructor, former
2 substitute teacher and currently an electrician.
3 So, I work and play all over the City. And
4 Outward Bound is building their new facility just
5 a mile and a half away from the proposed gas
6 plant. And so, it behooves AMS to -- really, you
7 all must deny this permit because given how close
8 it is to the 100 parts per billion limit, begin
9 limit, given everything that everybody said, you
10 know, all the points that have been made are
11 excellent. There is human error. There is no
12 regular monitoring. There is no tracking of data
13 on this. And frankly, there is no will for
14 Philadelphians to tolerate this kind of facility
15 in addition to all of the air pollution that we
16 already suffer.

17 This is very close to, as everyone
18 noted, schools and hospitals but also the
19 historic and famous Kelly Drive where people bike
20 and run on a daily basis. And as anybody knows,
21 and I'm not a doctor or scientist. But as
22 anybody knows, when you are doing hard physical
23 exercise, you are breathing in more air; and
24 thus, taking in more pollutants. And so, we

1 cannot afford to be that close to the limit. And
2 there is no guarantee for the public that our
3 health will be protected and that we will be
4 prevented from reaching that limit on a daily
5 basis even in Nicetown, you know. And we know
6 air travels.

7 So I also just want to point out that --
8 I'm forgetting what I -- like Walter said, the
9 Mayor's commitment to 100 percent renewable by
10 2020, there is no way we get there with
11 facilities like this. That has locked us in for
12 another 30 years. I think, you know, really
13 respect the hard working people at the Air
14 Monitoring Service. But you have to be honest
15 about the fact that we still have an energy
16 generation. We have PES that is under consent
17 decree for their air quality. They have not
18 updated their equipment.

19 I was in electrical training with
20 somebody who actually works at that facility as a
21 subcontractor and said, that must be cool, high
22 voltage, you know, like it must be cool to work
23 there regardless of what you think of the
24 facility. He's like, no. It's scary and it's

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1 dangerous because they don't update their
2 equipment. They are putting workers at risk and
3 they are putting the public at risk in not
4 updating their equipment.

5 So if the Air Monitoring Service cannot
6 get existing facilities to comply with the law,
7 then there is nothing -- no guarantee that
8 Philadelphians have that this facility will
9 comply or that this data is even accurate. I
10 would say that human error and the fact that we
11 are only going to check it every three years is
12 exactly what the previous gentleman pointed out.

13 So, you cannot ask the public to take on
14 this burden. And I will also just add on an
15 anecdotal note that I lived in China and Beijing
16 pre-Olympics. And I literally had upper
17 respiratory infections all the time. I'm never
18 sick. I never get sick. That year living in
19 Beijing, I get sick all the time. My boyfriend
20 who is a runner once broke out in hives all over
21 his body. Couldn't breathe. We thought we were
22 going to have to rush him to the emergency room
23 because he had ran for 20 minutes in such
24 contaminated air.

1 I have seen the future. I have seen
2 what the future looks like when you approve and
3 you permit project by project like this. Then it
4 adds up to something where nobody can go outside
5 most of the days of the year. And that's not the
6 kind of country we want to live in. In Chinese,
7 the US is called (speaks Chinese word), which
8 means beautiful country.

9 We have a beautiful city that is
10 increasingly --

11 AMS STAFF: You have a minute left.

12 MS. ARNOLD: -- you know, being
13 beautified increasingly with these efforts that
14 enhancing public space and moving off of dirty,
15 you know, cleaning up our dirty acts. So, this
16 is the trend we need to continue. This is a
17 grotesque step backwards for Philadelphia and
18 should not really not be permitted.

19 (Applause.)

20 MS. ARNOLD: By law and morale.

21 MR. WIENER: We have Nathaniel Wilkerson
22 and pat Libbey left if I did not accidentally
23 skip anybody. Did I accidentally skip anybody?
24 Good. Okay.

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1 Nathaniel Wilkerson, please.

2 MR. WILKERSON: Hello, my name is
3 Nathaniel Wilkerson the IV. I am a resident of
4 Germantown. And I am a representative of POPPIN,
5 Youth Journalism Program at Temple University. I
6 am also a member of the Green Party of
7 Philadelphia. I am also for Nicetown because I'm
8 an advocate for green renewable energy.

9 Technology is supposed to be evolving,
10 not devolving back to coal burning and oil
11 fracking. We want to mirror Seattle and other
12 countries that have committed to fossil free
13 energy use. Philadelphia is a city with
14 historical greatness and was original nation's
15 capital. There is no reason why we shouldn't be
16 leading the fight against climate change.

17 (Applause.)

18 MR. WILKERSON: For a while, SEPTA has
19 been leading a ridiculous campaign of
20 SEPTA-inability, a play on sustainability. And
21 which they committed to becoming more green, they
22 made their buses hybrids which still pumped out
23 black air, installing more recycling bins in many
24 of the areas and posting new posters in the

1 subway. Their most detrimental act will be
2 installing this power plant.

3 I have had asthma all my life. Has been
4 proven that one out of three kids in my area has
5 asthma, as well. Why in the world are we taking
6 this into consideration? Every year your hear
7 about a new post by SEPTA to add to the empire to
8 benefit our community. But it's no benefit to us
9 if they are trying to kill us. SEPTA is supposed
10 to serve us, not throw us under the bus. And
11 that pun was intended.

12 It's time SEPTA starts putting people,
13 planet and peace over profit. There is no reason
14 why our transportation system shouldn't be
15 powered by electric, hydrogen or solar power. I
16 just want to say, when voting, please take into
17 matter who is trying to progress this earth
18 forward. At the end of the day, it won't matter
19 whether you're a Democrat or Republican. If you
20 have a love for this planet, you will care about
21 what goes in it and who is trying to destroy it.

22 SEPTA, please do not build this gas
23 plant. AMS, please oppose this because you are
24 in the public eye now. And your actions will be

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1 judged from here on and out. According to the
2 Environmental Protection Agency, the company
3 is -- Philadelphia Energy Refineries in South
4 Philadelphia is responsible for 70 percent of the
5 toxic emissions in Philadelphia County. And has
6 been a significant violation of federally Clean
7 Air Act for the last three years. SEPTA sounds
8 like they are trying to compete.

9 (Laughter.)

10 MR. WILKERSON: 100 percent renewable
11 energy looks like not building this power plant,
12 shutting down PES in South Philadelphia, creating
13 legislation that will prevent fossil fuels from
14 being burned ever again in Philadelphia. SEPTA's
15 Administration Board are filled with people who
16 wouldn't dare to live nowhere near a blue City in
17 Philadelphia. Capitalism at its very best.

18 POPPYN is releasing our 23rd episode on
19 environmental justice. The screening takes place
20 this Thursday at Temple University Annex Hall.
21 Information about this screening will be posted
22 on 350 Phillies Facebook page. And if you have
23 any questions, call 267-207-3700.

24 (Applause)

1 MR. WIENER: Pat Libbey, please.

2 MS. LIBBEY: I wanted to be last. You
3 have three people that said more later. Are they
4 still going to speak?

5 MR. WIENER: We --

6 PUBLIC ATTENDEE: Who else wants to
7 speak?

8 (Hands raised.)

9 MR. WIENER: I can't -- I just hope we
10 don't get kicked out of here soon.

11 MS. CHARLES: My name is Ms. Charles.
12 My mother lives in Tioga, 19140.

13 So, I'd like to speak because I am
14 involved in the process of trying to educate
15 community members about the gas plant.
16 Unfortunately, illness took me away and I wasn't
17 able to work with the community to the degree
18 that I wanted to after that. I am glad I was
19 able to be here.

20 What everyone needs to know is that
21 there have been a few meetings about the power
22 plant. And at each of the meetings that the
23 community has come to, community numbers have
24 spoken out against the power plant consistently.

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1 Some of the meetings have been held at schools.
2 Some meetings have been with community
3 organizations. And even though the community
4 members have consistently said we do not want a
5 gas power plant in our neighborhood that is going
6 to negatively impact our health, that is going to
7 negatively impact the environment and is not
8 going to provide jobs and it's only going to
9 benefit people who don't live in community. Most
10 of these people, certainly in Tioga, there isn't
11 even a stop on the train in that area.

12 The only thing that this project does is
13 hurt the community. The community has, again,
14 spoken out against it. They have let their
15 leaders, their civil representatives know, their
16 public servants know that they did not want this
17 plant in the area. There was a meeting I was not
18 able to attend. And I was informed that when one
19 of the members in this room spoke out to our
20 civil servant -- our civil servant, that civil
21 servant told the person that because they didn't
22 live in Nicetown, because they weren't of a
23 particular complexion, that they should not have
24 a voice.

1 This is not a racial issue. It is a
2 human rights issue. It is a social --

3 (Applause.)

4 MS. CHARLES: So because our civil
5 servants aren't standing up for us, we need you
6 to stand up for us. My mother is sitting here.
7 I know older women and children and men who have
8 respiratory problems, who have high blood
9 pressure, who are at risk. And this is an area
10 that is disproportionately affected by many of
11 the illnesses that cause premature death and
12 other health related problems that also increase
13 the economic burden on the City in general.

14 We are in a low economic area. So when
15 people are not doing well with their health, the
16 burden falls on the City, as well. Please, stop
17 this because our public servants aren't serving
18 us.

19 MR. WIENER: You wanted other people to
20 have a chance to speak first? It's -- I feel a
21 little safer if we have you speak. Just make
22 sure you get a chance.

23 MS. LIBBEY: I am shy and bashful. This
24 is really hard. But I have sworn to do

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1 everything I can to protect our children and
2 grandchildren. I wrote a poem to Tom Wolf when
3 fracking kind of first became a big issue. And I
4 wanted to let you know this will apply to you
5 all, too, if you approve the gas plant going
6 through. So, I am going to read the poem.

7 Patricia Libbey, resident.

8 "I am the voice of the stillborn who
9 cannot speak. I am the voice for the disabled in
10 pain. I am the voice of the asthmatics who
11 cannot breath. I am the voice for those you have
12 slain. They breath the air that's polluted by
13 toxins. They drink the water that is darkened by
14 grime. They scratch their skin raw on all the
15 red branches. They go to school on roads covered
16 with slime. You are the cause of their
17 sufferings and agonies. You are the cause of
18 their writhing in pain. Fracking is killing our
19 totally defenseless. It has no sympathy for
20 those it has slain."

21 (Applause.)

22 MR. WIENER: We have been through the
23 list. Is anybody who wants to go again, so to
24 speak?

1 Peter.

2 MR. WINSLOW: Take a moment because
3 Pat's poem was something that I have heard
4 before, and something that I think is important
5 to take to heart. And I know you don't answer
6 question, so I am going to ask you a question in
7 the form of a statement because I'm not really
8 sure about this.

9 But if I'm not mistaken, Air Management
10 Services is a part of the Air Quality
11 Partnership. And data that you collect goes to
12 the compilation of the air quality for
13 Philadelphia?

14 MR. WIENER: I can't say for certain.
15 It goes to, I think, the state EPA.

16 MR. WINSLOW: It goes up and then it
17 comes back. And I get updates from the Air
18 Quality Partnership forecast for the Greater
19 Philadelphia area. And looking at the current
20 forecast for Thursday, the air quality index is
21 an 8 out of 100, which is in the yellow.

22 Statement about this is that Thursday
23 will be the coolest day of the spring like
24 stretch before temperatures begin to rebound, and

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1 then it goes on. We have had days not only in
2 the yellow or we have had them in the orange or
3 we have had them in the red. Days when people,
4 the elderly and children, are instructed to stay
5 inside the because the air quality is not -- is
6 not healthy for them to go outside, correct?
7 Sorry. It's a question. It's a statement.

8 Why is this relevant to this particular
9 application for a permit? The air quality and
10 the effect of the emissions from this plant will
11 be different on different days when -- when the
12 temperature is particularly hot, when we are
13 suffering an inversion and so forth. So, the
14 lack of monitoring, the lack of measurement on an
15 ongoing basis not only makes air management
16 blind, it makes the citizens blind in terms of
17 what the reality is, the impact of this plant.

18 The past seven years, I have done work
19 for the Department of Defense as part of the
20 Environmental Security Technology Certification
21 Program where we test cutting edge technologies
22 within a military base as a test. And we
23 anticipate what the results will be based upon
24 our models. But then we measure so that we know

1 if our models are correct, so that we can improve
2 the models so we know what the reality is.

3 When I have spoken with officials at
4 SEPTA, they have told me, oh, we are going to
5 take measurements that the monitoring that we are
6 going to do is measurements. And I notice that
7 there is an option for SEPTA to do such. What I
8 am asking is that the air permit be modified in
9 such a way that when the air quality in
10 Philadelphia is not good and they shut this plant
11 down, they don't add to the insult and the
12 environmental racism that is being perpetuated by
13 this plant.

14 I am asking that there be ongoing
15 continuous monitoring that takes place so that we
16 know what the actual effects are. And that in
17 addition to monitoring the emissions, that there
18 be a monitoring of the health impacts on the
19 community. I think that this is a part of the
20 corporate responsibility of SEPTA. And I think
21 it's something that can still be negotiated in
22 terms of what they have publicly stated as their
23 intentions and within the parameters of the
24 agreement that you reached with SEPTA as to how

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1 this plan, if it's going to be built, will be
2 operated. So, that you will be able to assure --

3 PUBLIC ATTENDEE: Peter, I think we want
4 to shut it down.

5 (People begin speaking over each other.)

6 MR. WIENER: Excuse me.

7 PUBLIC ATTENDEE: We don't want it
8 built.

9 MR. WINSLOW: Excuse me. We need to be
10 able to assure the community that there will be a
11 satisfactory outcome. If that means that this
12 plant is so onerous on SEPTA that they can't
13 comply with this common sense, then it means that
14 this really should not be built at all.

15 PUBLIC ATTENDEE: There is no reason to
16 build it.

17 MR. WINSLOW: I agree, there is no
18 reason to build it. This project is a solution
19 in search of a problem as Lynn pointed out.

20 PUBLIC ATTENDEE: They are just going to
21 build more plants if this one goes through.

22 MR. WIENER: Can we, please, just one at
23 a time. Please.

24 MR. WINSLOW: We have a problem here in

1 the community's relationship with SEPTA. It's
2 not a community's relationship with AMS. But the
3 community's relationship with SEPTA, there is a
4 lack of trust. Part of it is because there has
5 been an ongoing consistent disinformation
6 campaign where the ways in which this project has
7 been presented to the public and also presented
8 to AMS, is disingenuous.

9 This project is presented to AMS as a
10 combined heap and powered project that is to
11 replace a couple of boilers at the bus barn. And
12 oh, incidentally, we are going to produce some
13 electricity. That is not the reality. The
14 reality is this is producing electricity to
15 in-source electricity that is currently being
16 provided by Epsilon through PECO and Consolation
17 New Energy. It is a project that is unnecessary
18 because they are already two transmission lines
19 that feed in Wayne Junction substation by
20 traction power for the regional rail.

21 So, it's disingenuous in the way they
22 presented their application for the air permit.
23 It's disingenuous in terms of the way in which
24 they have presented this project as being

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1 beneficial to the environment as a reduction in
2 greenhouse gas. That -- I understand how they do
3 the calculation because I have done that same
4 kind of calculation in projects that I have done
5 with the Department of Defense. That is provided
6 by the EPA, but it's not reality. I have a
7 background as a CPA and an MBA from Wharton in
8 finance. And one of the things that I know for
9 sure is that figures lie and liars figure. And
10 that when this particular instance, the
11 calculations that have been made are absolutely
12 false. So, we need it corrected.

13 And the last bastion that we have is a
14 corrective on this abuse of power by SEPTA is
15 AMS. So if they are willing to say what they or
16 act in accordance with their proclamations of
17 transparency and interests of protecting the
18 community, then I say hold them to it with a much
19 more stringent requirement for the air permit
20 that is currently in the way in which it was
21 presented to AMS by SEPTA.

22 That's my ask.

23 (Applause.)

24 MR. WIENER: Thank you. Anyone else?

1 Raise your hands, please.

2 (Hands raised.)

3 MR. WIENER: Sir.

4 MR. BRICE: Hello, everybody, again.

5 Eric Brice, 35th District Townwatch. I got four
6 blocks away from here and forgot something I
7 meant to say. I don't live in the neighborhood.
8 I don't live in an impacted neighborhood, but I
9 will. I will potentially live in an impacted
10 neighborhood because it is important -- I was
11 told to emphasize this. Forgot to do what I was
12 told.

13 It's not about Nicetown. It's not about
14 Wayne Junction. It's not about -- it's about all
15 urban neighborhoods that facilities like this
16 take place in. You got to look at that. I am
17 concerned that if this plant happens, it's
18 just -- door will be open where to go somewhere
19 else in another urban neighborhood to another
20 impacted community will be going to more meetings
21 like this voicing the same issues all over again.

22 So I think this is bigger than just the
23 neighborhood. This is a big, big, big issue that
24 affects any urban area. Now, I got into a great

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1 discussion with Matt here, enlightened me on a
2 lot of good information. And I expressed that
3 the argument we have about is the human one. The
4 human impact this plant poses, the environmental
5 impact set. That's real.

6 The fact is, there are people who are
7 being affected by asthma and all because of
8 health related issues because of poor air quality
9 right now today. Right now while we are talking
10 right now. Okay. The environment and mental
11 impact is going to be presented over time. I
12 think that if we make the bold statement to force
13 SEPTA and the City to act boldly and do what they
14 promise to do in terms of steering this City into
15 renewable energy city, I think that will be the
16 footstone, the cornerstone we need to get this
17 thing going. Because if this thing was out in
18 Perkiomenville, right, where there is like towns
19 and lot of open land, you know what our argument
20 would be? The soil. We have an impact. Then it
21 becomes a big environmental issue. Rightfully
22 so.

23 Right now we have people, human beings
24 suffering right now. So I think instead of

1 talking about fracking, you know that's a
2 problem. We got kids who are suffering now.
3 Seniors who are suffering right now because of
4 poor air quality in all parts of the City. Right
5 now the battleground is Nicetown. We got to make
6 sure the battleground stops here. Stops here.
7 And don't go to Northeast, South Philly, West
8 Philly. Because if it happens, if we lose this
9 one, that is what -- then we are going to really
10 have to start making call from people out of the
11 state to come in and help us.

12 Okay. So, let's harness our energy on
13 stopping this thing here right now in its tracks
14 and look at the whole city, the whole urban area
15 as a whole and taking this on. That's what I
16 came back to say. Thank you.

17 (Applause.)

18 MR. WIENER: Ma'am?

19 MS. ROBINSON: Lynn Robinson. I would
20 like to point out some other health effects other
21 than asthma, other than respiratory diseases
22 because there are other health effects from this
23 chemicals that are not good that we are going to
24 stop from coming out of that plant. So, let's

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1 see.

2 First of all, particulate matter is
3 something that the World Health Organization says
4 there is no safe exposure to. There is no safe
5 level. It's just not safe at all. It causes,
6 besides asthma and heart disease, it leads to
7 dementia, impaired cognitive development of
8 children, premature births, and there were a
9 couple others I left off here.

10 But anyway, so that alone is enough to
11 scare me. Also, about the fine particulates, the
12 way that they work from what I understand is that
13 so tiny they just go into your lungs and into
14 your blood and into your organs and into your own
15 life because they are just that small. So, they
16 are more dangerous than the other particulates.

17 Other than that, these things might be
18 more minor. But we volatile organic compounds
19 cause eye, nose and throat irritation, shortness
20 of breath, headaches, fatigue, nausea, dizziness
21 and skin problems. And I know it's kind of hard
22 to work an eight-hour day and be suffering from
23 all that. Or being a kid trying to study in
24 school, whatever.

1 Carbon monoxide, everybody knows that
2 you have to make sure there's none in your house.
3 That's why the added odor to it. You know,
4 that's why carbon monoxide leak in your heater,
5 you know because you add an odor. It's odorless.
6 You can't tell it's there. It's highly toxic.
7 It interferes with transport of oxygen from the
8 lungs to the tissues. Because -- let's see.

9 Oh, well I have to -- let's see. It's
10 absorbed by red blood cells in preference to
11 oxygen. So, your red blood cells will take in
12 carbon monoxide before it takes in O2. And
13 that's why it's dangerous. Other than that, it's
14 pretty respiratory.

15 I would like to go back to the civil
16 rights aspect because I never finished that
17 little bit. Everybody knows that the
18 neighborhood in Nicetown is 96.2 percent
19 African-American within a half mile of the plant.
20 And 91 percent African-American was in one mile.
21 According to 2010 census. This qualifies the
22 community as an environmental justice community
23 according to the Pennsylvania Department of
24 Environmental Protection. And should this

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1 proposed power plant be deemed a major source of
2 air pollution, in other words, if they work to
3 capacity. And I realize there was a mistake in
4 the numbers for CO. I realize that you said 25
5 was a major, but it's really 100. That brings up
6 another point about other numbers that didn't
7 match up in the split in these documents. It's
8 hard to trust documents when there is graphs that
9 you can't read and mistakes with number.

10 So, let's see. Where was I.

11 Should this be a major source of air
12 pollution? Additional public participation
13 requirements would kick in. And I am just going
14 to skip that part because that's based on your
15 mistake.

16 Lastly, there is something called
17 non-attainment status. Philadelphia is a
18 non-attainment for ground level ozone and is
19 recovering from non-attainment status and
20 maintenance status for fine particulate matter
21 and carbon monoxide. In other words, we need to
22 be in attainment status. But we are in
23 maintenance status, for particulates and carbon
24 monoxide, which is kind of like being on

1 probation. We don't want to go back to
2 non-attainment status.

3 And if we keep -- if we build this gas
4 plant and then we build another two in West
5 Philly which is what SEPTA is talking about and
6 here and there, there is a possibility that we
7 will go into non-attainment status. So, I am
8 sure you know more about that than I do.

9 Thank you.

10 (Applause.)

11 MR. WIENER: More hands for other
12 people? Okay. We are losing our court reporter
13 in 15 minutes, so only one. We are okay.

14 MR. WANG: It's Matthew Wang for the
15 record. So, the previous two speakers comments
16 actually speak to the spirit of what I'm asking
17 for, and it's this idea that this isn't just
18 about a single gas plant. In addition to the
19 proposed Midvale Depot natural gas plant, the
20 Southeastern Pennsylvania Transportation
21 Authority has openly discussed other potential
22 sites through, in and around Philadelphia for
23 combined heat and power and micro combined heat
24 and power gas plants.

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1 Examples of such locations openly
2 discuss include 69th Street, Powelton Yards, 1234
3 Market Street -- which is ironically SEPTA's
4 headquarters on the rooftop next to their own
5 ventilation unit, which really shows you how much
6 they understand the toxic nature of natural gas
7 emissions -- and Southern Depot has also been
8 floated as a perspective site by SEPTA for
9 natural gas plant.

10 I am hereby formally requesting on
11 behalf of 350 Philadelphia all records of
12 correspondence between SEPTA and AMS, including
13 email or other official documentation, regarding
14 previous, current or perspective natural gas
15 discussions. Due to the fact that AMS is a
16 public agency mandated to act efficiently on
17 behalf of the public's best interest, please
18 include a comprehensive copy of these
19 correspondence in the official response to
20 today's hearing June 27, 2017 at Panati
21 Playground.

22 (Applause.)

23 MR. WIENER: Does anyone else wish to
24 give comments?

1 PUBLIC ATTENDEE: I don't have comments,
2 but I would like to know who the other people are
3 that have not spoken today? Those five and a few
4 others. We have identified ourselves. Who else
5 is in the room?

6 (AMS staff introduces themselves.)

7 MR. CHANIN: I will just add one thing.

8 MR. WIENER: Certainly, Mitch.

9 MR. CHANIN: Mitch Chanin, again. I
10 work with 350 Philadelphia. Just an anecdote to
11 add to the mix. I think everyone has already
12 spoken about the range of health and justice and
13 climate change concerns. Actually, I want to say
14 two things.

15 One is that I was talking before about
16 the local -- impact of local air pollution on
17 people's health in the neighborhoods. Just
18 shifting the focus to climate change has already
19 been addressed. The courts said several years
20 ago, federal courts, that carbon dioxide should
21 be considered a pollutant that is regulated by
22 law because of the great danger that climate
23 change presents for people. And that is
24 essentially not happening.

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1 There is no clean power plant
2 regulations that were supposed to have been put
3 into effect are not happening. And we know that
4 the Federal Government is not going to protect
5 our health and safety over the next few years.

6 So we hope -- I hope that AMS will do
7 whatever it can creatively to go beyond the
8 bounds of what might seem like a routine -- the
9 routines that the agency has or the powers that
10 are most, obviously, accessible to you to do
11 whatever you can to make sure that there is
12 robust public conversation about this, that our
13 public officials fully understand the health --
14 potential health and environmental impacts of the
15 plan. And they can use whatever powers are
16 available to you to stop this from happening,
17 whether that means dusting off a regulation that
18 used to be addressed but is no longer at the top
19 of the list.

20 Or just we would like you to do whatever
21 you can, because the federal authorities are not
22 protecting our health. They are not regulating
23 CO2. It needs to happen. They are certainly not
24 regulating methane. That needs to happen. And

1 they are not going to establish a standard for
2 ultra fine particles even though that's been
3 under discussion in the EPA. Whatever you can
4 do, we really hope you will do that.

5 Just my final anecdote that I wanted to
6 mention, I don't know if the person who is here
7 from SEPTA would like to hear that also --

8 SEPTA REP: I will be right back.

9 MR. CHANIN: Okay. One of our members
10 was talking with Fran Kelly who is the assistant
11 General Manager for Public and Government Affairs
12 at SEPTA a couple weeks about the health concerns
13 around the plant. And he said, you know, I know
14 there is real problems with air quality. And
15 maybe I'm para phrasing because I didn't hear
16 this correctly.

17 There is real issues with air quality.
18 The real problem is the highway and the solution
19 that we should remove the Roosevelt Expressway.
20 That sounds great to me. But if you have a
21 problem with air pollution, probably the first
22 thing to do is to not add more. I don't really
23 know how we are going to move the highway.

24 In the future, we should have electric

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1 vehicles, electric buses and electric cars on the
2 highway. That is not happening at the scale that
3 is needed any time soon. So if there is an --
4 even if there is a real problem with air quality,
5 we should not add another polluting facility
6 before we talk about moving the infrastructure
7 that will take decades to figure out.

8 That is the last thing I am going to
9 add.

10 (Applause)

11 MR. CHANIN: I understand that you have
12 constraints on what you can do. But I hope you
13 will do everything you can to see whatever
14 power -- to figure out whatever powers are
15 available to you to stop this from happening.
16 So, thank you.

17 (Applause.)

18 MR. WIENER: Anyone else wish to give
19 comments?

20 MS. HASTINGS: You are ignoring me.

21 MR. WIENER: I didn't see you. I'm
22 sorry.

23 MS. HASTINGS: I told you I would come
24 back. One thing I would like to do, and I work

1 for environmental regulatory agency. I know kind
2 of what these people have to go through. But, I
3 would like you guys to look through very
4 carefully what SEPTA submitted to you and what
5 they told you and then reevaluate your
6 conclusions. Because the approval dated 5/23/17
7 that SEPTA wrote or AMH wrote, the project
8 description is stated that Chip units will
9 produce steam and electricity for the use in the
10 Midvale Test facility portion of the electricity
11 generated by the two chip. Will also be used as
12 supplemental electricity for regional rails, end
13 quote.

14 This clearly implies and possibly this
15 is what AM -- I'm sorry, Air Management thought
16 when they wrote it, it clearly implies that the
17 primary purpose of the units is to provide energy
18 for the Midvale Bus Facility or provide
19 electricity for the regional rail seems to be our
20 secondary importance and probably not that large
21 of a use. In fact, less than 5 percent of the
22 energy generated by these units will be used in
23 Midvale. More than 95 percent will be used to
24 generate energy for the regional rail.

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1 I also think that there may have been
2 possibly something disingenuous or otherwise that
3 Air Management was told that is very disturbing
4 to me.

5 Finally, one last thing on the ultrafine
6 particulates. The thing that scares me the most
7 about it was the study I read that was published
8 by the National Institutes of Health. And they
9 actually did a study with mice, infant mice. And
10 they looked at, they were breathing ultrafine
11 particulates from natural gas production, what
12 happened to the mice's brains. They found
13 permanent cognitive damage, behavioral problems,
14 intellectual problems. Sounds to me like a --
15 like new generation of lead poisoning.

16 And to actually put something --
17 ultrafine particulates are way more breathable
18 than the other stuff. Having all the kids in
19 Nicetown breathing something that could be
20 where -- all the babies breathing this that could
21 be impairing them intellectually and emotionally
22 for the rest of their lives seems unconscionable.
23 And I would ask that you, please, use your
24 authority to protect public health to protect us.

1 Thank you.

2 (Applause.)

3 MR. WIENER: Anyone else wish to give
4 comments?

5 MR. WANG: One last question.

6 When is the transcript of this meeting
7 going to be available? And when are the
8 comments, the response to the comments projected
9 to be available?

10 MR. WIENER: I'm not sure when the
11 transcript of this will be available to the
12 public.

13 You have a ball park on -- usually like
14 a week or so if I remember correctly. I'm not
15 sure if we are or are not allowed to give it out
16 right away or we have to wait.

17 Thank you all.

18 (Public Hearing adjourned at 8:11 p.m.)

19

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C E R T I F I C A T I O N

I, hereby certify that the proceedings and evidence noted are contained fully and accurately in the stenographic notes taken by me in the foregoing matter, and that this is a correct transcript of the same.

ANGELA M. KING, RPR
Court Reporter - Notary Public

(The foregoing certification of this transcript does not apply to any reproduction of the same by any means, unless under the direct control and/or supervision of the certifying reporter.)

C E R T I F I C A T I O N

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foregoing matter, and that this is a
correct transcript of the same.

Angela M. King, RPR
Court Reporter - Notary Public

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Appendix

Public Hearing Transcript Corrections

The following pages include corrections to the transcript that testifiers at the public hearing submitted to Air Management Services for their testimony.

Eric Brice's Corrections

19 : 22 Replace (here at) with "here of", 20:1 Replace (a lot of reading.) with "a lot of reading to do.", 19:5 Replace (fervor, concerns) with "fervor of concerns" 20:10 Replace (issues. Our priority) with "issues. But our priority", 20:11 (Replace standards of the day) with "standards of the E.P.A.", 21:2 Replace (But you know all the stats and all the numbers) with "But as you look at all the stats, and you know all the numbers.", 21:11 Replace (gas politics in the state) with "gas politics and industry in the state", 21:17 Replace (the City look good and) with "the City look good and would", 21:20 Replace (foremost for profits) with "foremost before profits"

Charles Sherrouse's Corrections

52:16 Replace (1334 Elbridge) with "1434 Elbridge", 52:21 Replace (of the amendments) with "of the commitments", 52:21 Replace (preface that with) with "preface that with: ", 53:3 Replace (fill) with "fulfill", 53:7 Replace (what has to be) with "and how it will be) 53:13 Replace (as it varies vastly) with "as it vastly", 52:15 Replace (start up, shut down,) with "start up, shut down, and" 53:20 Replace (calculations in order) with "calculations, in order", 53:21 Replace spikes that sickens) with "spikes that sicken", 54:5 Replace (other prepared pollutants) with "other air pollutants", 54:6 Replace (inherently) with "apparently", 54:7 Replace (gas current) with "gas burned", 54:13 Replace (non-methane/methane) with "non-methane/non ethane", 54:16 Replace (after startup than) with "after startup, then", 54:17 Replace (This means the) with "This means a", 54:20 Replace (protection) with "detection", 54:23 Replace (any monitor.) with "any monitoring." 55:1 Replace (tests and) with "tests in" 55:5 Replace (and keep) with "and to keep" 55:7 Replace (speed limit or) with "speed limit and", 55:8 Replace (no pedometers. Just) with "no odometer ; just", 55:9 Replace (and setting up) with "and set up" 55:10 Replace (trap that there's a speed trap ahead) with "trap, that there's a speed trap, ahead", 55:14 Replace (strength start up, shut down) with "during start up, shut down,"

Walter Tsou's corrections

46: 3 Replace (SUH) with "Tsou", 46:4 Replace (Suh) with "Tsou", 46:7 Replace (Associate) with "for Social", 46:11 Replace (it also embraced) with "He also embraced", 47:12 Replace (Paris Accords) with "the Paris Accords" 47:15 Replace (Mayor to solve to put) with "Mayor to test his resolve, to put", 46:16 Replace (his word—if the Mayor) with "his words into reality—if the Mayor", 47:7 Replace (oxidation of catalyst) with " oxidative catalyst", 47:8 Replace (selective monitor) with "selective monitoring", 47:9 Replace (for nox) with "NOx," 47:10 Replace (even as the most) with "even the most", 47:13 Replace (neighborhood of) with "neighborhoods of" 47:15 Replace (that this) with "that these projected", 47:17 Replace (already see) with "already exceed", 47:22 Replace (the oxidated) with "the oxidative", 47:23 Replace (substrates. Same) with "substrates. Safe", 47:24 Replace (story) with "storage", 48:1 Replace (neighborhood) with "neighborhoods", 48:5 Replace (nox gas reaches 86.8 parts per billion which) with "NOx gas reaches 86.8 parts per billion which is", 48:8 Replace (I think this probably some statistical) with " I think this is probably within the statistical" 48:10 Replace (that.) with " that safe limit.", 48:19 Replace (gases from sending) with "gases from drifting", 48:20 Replace (that are right in) with "that is already in", 48:22 Replace (permit was approved. All requires) with "The permit should not be approved. All that you require is" 48:24 Replace (and natural gas) with "natural gas?" 49:8 Replace (leading this everybody by) with "leading this by"

Eric Marsh's Corrections:

16:22 Replace (Own a business and working) with " I own a business and worked in" 17:12 Replace (and my perspective) with "My perspective" 18:3 Replace (can't be stopped) with " can't be stopped. It", 18:7 Replace (and weather got) with "and the weather got" 18:24 Replace (a full) with "a fool"

Hi Ed,

After taking a quick look at my comments in the transcript I found (3) spelling errors that I would appreciate corrected:

80:2 replace (discuss) with "discussed"; 80:8 replace (perspective) with "prospective"; 80:14 80:8 replace (perspective) with "prospective".

Given the possibility that other errors may exist in the transcript I would like to request a period of time, perhaps 10 business days, for the attendees/ commenters to review and submit corrections to their comments. Some of these potential errors may be minor such as the example I have submitted. Of course the goal is to ensure there are no major errors/ omissions. I will distribute this draft to 350 Philadelphia, collect corrections, if any, and submit to you by August 18, okay?

I'm glad to see the word index, that will certainly make navigation more efficient.

Also I wanted to know what AMS intends to do as far as the recording of approximately 184 written comments/ hard submissions submitted at beginning of hearing. Would it be possible to scan and include those as part of the official record for the hearing? Attached to this note you will find a digital version of the document I submitted.

Thanks again for your commitment to the process.

Enjoy your weekend!

-Matt

Hi Ed,

In addition to the corrections I have already submitted please include the following:

34:20 Replace (I start something) with “I started something” , 35:22 Replace (Gas pipe) with “Gas Plant”, 35: 24, Replace (Michael E. Wallings) with “Mike Ewall”, 36: 6 Replace (renewable) with “renewables”, 36: 21 Replace (Behind their back like) with “Behind their back by”, 36: 23 Replace (in 2012, a Stan Sailwart) with “in 2012, Stan Saylor”, 37: 1 Replace (read in SEPTA’s) with “threatened SEPTA’s funding”, 37: 2 Replace (buses that compress) with “buses that use compressed”, 37: 4 Replace (bus league into new one and use) with “bus fleet into new ones that would use” 37:7 Replace (expensive. It was too hard) with “expensive and it’s hard in a big city” 38: 9 Replace (–yeah. You can avoid) with “–yeah, you can avoid”, 39:6 & 7 replace (study and be sure environmental) with: “study and ensure in environmental”, 40:2 Replace (collecting pollute) with “collecting pollutants”, 40:3 Replace (what is the influence from the plant) with “what are the emissions from the plant.”, 40:10 Replace (burn certain amount) with “Burn a certain amount”, 75: 22 Replace (from this) with “from these”, 76: 14-15 Remove: (and into your own life) with “and into your tissues.” 76:18 Replace (more minor. But we volatile organic) with “more minor, but volatile organic”, 77: 3 Replace (That’s why the added) with “That’s why they added”, 77: 4 Replace (That’s why carbon monoxide) with “That’s why if there’s a carbon monoxide”, 77: 5 Replace (because you add an odor) with “ because we add an odor to it”, 77: 20-21 Replace (91 percent African-American was in one mile. And 91) with “91 percent African-American within one mile, and 91”, 78: 7 Replace (In the split in these documents) with (In these documents) 77: 8-9 Replace (when there is graphs that you can’t read and mistakes with number) with “when there are graphs that you can’t read and mistakes with numbers”, 78:17 Replace (Philadelphia is a) with “Philadelphia is in”

Lastly, the name of a health researcher quoted, David Newby at the University of Edinburgh, UK was misspelled under Mitch Chanins comment.

Thanks again, and take care,

Matt Wang

Ed,

Please note corrections of my testimony at the AMS hearing on June 27, 2017, as follows:

- 12:24 replace (Penn City) with "Pennsylvania Interfaith Power and Light"
- 13:2 replace (the campaign) with "the Fossil Free SEPTA campaign"
- 13:3 replace (adjacent) with "GESA"
- 13:6 replace (neighbors who) with "neighbors - who currently suffers"
- 13:8 replace (the facility. This plant facility who) with "this planned facility and who currently suffer"
- 13:20 replace (Cass) with "Kass"
- 13:21 replace (overworked, underfunded) with "which is overworked and underfunded"
- 14:1 replace (felt) with "feel"
- 14:4 replace (abrogation) with "abrogating"
- 14:15 replace (sample) with "simple"
- 14:21 replace (mayors of) with "mayors at"
- 14:22 replace (we like) with "relate"
- 14:23 replace (, and we would like to) with "and reconfirm the"
- 15:1 replace (This is contrary) with "This project is contrary"
- 15:2 replace (on part) with "on the part"
- 15:11 replace (regulation of the the) with "regulation by the"
- 16:4 replace (happens from) with "happens to"
- 16:6 replace (community with) with "community where"
- 67:1 replace (Take a moment because) with "Let's take a moment, because"
- 67:5 replace (to heart.) with "to heart..." followed by a paragraph break
- 67:6 replace (question) with "questions"
- 67:21 replace (an 8) with "at 80"
- 67:22 replace (Statement) with "My statement"
- 67:23 replace (spring like) with "spring-like"
- 68:2 replace (yellow or) with "yellow but"
- 68:5 replace (inside the) with "inside"
- 68:7 replace (It's a question.) with "That's a question."
- 69:10 replace (good and they) with "good, they"
- 70:1 replace (plan) with "plant"
- 70:13 replace (common sense,) with "common sense requirement,"
- 71:2 replace (a community's) with "in the community's"
- 71:10 replace (heap and powered) with "heat and power"
- 71:16 replace (Epsilon) with "Exelon"
- 71:16 replace (Consolation) with "Constellation"
- 71:18 replace (they are) with "there are"
- 71:19 replace (feed in) with "feed into the"
- 71:19 replace (substation by) with "Substation to supply"
- 72:10 replace (that when) with "that in"
- 72:13 replace (have is) with "have as"

- 72:15 replace (say what they or) with “say that they will”
- 72:17 replace (and interests) with “in the interest”
- 72:20 replace (that is currently in the way) with “than is currently the way”

Thank you.