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ALLEGHENY COUNTY SANITARY AUTHORITY (ALCOSAN)

PUBLIC MEETING

- - - - -

IN RE:

ALCOSAN DRAFT WET  
WEATHER PLAN  
PRESENTATION AND  
PUBLIC COMMENTS

- - - - -

Hilltop Hall  
Harper Drive  
Turtle Creek, PA 15145  
Wednesday; September 5, 2012  
9:40 a.m.

- - - - -

PRESENT: Arthur M. Tamilia, Esq.; Deputy  
Executive Director of ALCOSAN and  
Moderator  
David W. Borneman, P.E.; Director  
of Engineering/Construction and  
Presenter

- - - - -

TRANSCRIPT OF PROCEEDINGS

- - - - -

Reported by:

Tricia M. Clegg  
Registered Professional  
Reporter

- - - - -

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P R O C E E D I N G S

- - - - -

MR. TAMILIA: Good morning,

everyone. Thank you for coming this morning.

I'm Arthur Tamilia. I'm the Executive Director for the Allegheny County Sanitary Authority.

We're here to present what is going to be the largest environmental project, the largest Public Works project that I have seen in my lifetime, probably most of us have seen.

We're here today to present information about our plan which is going to be submitted to the Environmental Protection Agency in January of 2013. We are soliciting your comments. And as others of our staff will explain, your comments will be recorded and included in the official record of the document as it's submitted.

This morning we have from ALCOSAN David Borneman, our Director of Engineering and Construction, and Tim Prevost, our Manager of Wet Weather Programs. We will be available to you during the program and afterward to answer any questions.

1 ARTHUR TAMILIA - LUGENE KEYS

09: 42: 04 2 To get the program started, I would  
09: 42: 07 3 like to introduce Lugene Keys. She'll be  
09: 42: 11 4 giving some housekeeping information and  
09: 42: 14 5 describe the format of the program.

09: 42: 26 6 MS. KEYS: Good morning and  
09: 42: 28 7 thank you all, once again, for taking the time  
09: 42: 30 8 to meet with us today. First, I want to take a  
09: 42: 38 9 few minutes to go through your packets just to  
09: 42: 40 10 make sure we cover everything there. There  
09: 42: 42 11 should be a survey form that's in the front  
09: 42: 44 12 part of your booklet. It just has a couple of  
09: 42: 47 13 questions. If you could complete that and drop  
09: 42: 48 14 it off at the back table there where we have  
09: 42: 51 15 registration, we'd really appreciate it.

09: 42: 56 16 There are also additional items in  
09: 42: 57 17 the back of your booklet. There should be --  
09: 42: 59 18 or in the front. There should be a meeting  
09: 43: 01 19 agenda that's going to take you through our  
09: 43: 04 20 schedule for this morning.

09: 43: 06 21 MS. BARYLAK: Lugene, would  
09: 43: 06 22 you lean into the microphone.

09: 43: 10 23 MS. KEYS: Is that better?

09: 43: 12 24 MS. BARYLAK: Better.

09: 43: 13 25 MS. KEYS: Okay. There should

1

## LUGENE KEYS

09: 43: 14

2

be a public comment form in the back of your

09: 43: 16

3

booklet. That form is in there for you to fill

09: 43: 19

4

out, drop in a comment box if you have remarks

09: 43: 22

5

or thoughts that you want to pass on to ALCOSAN

09: 43: 24

6

and you either don't have a desire or you just

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7

have additional information that you want to

09: 43: 29

8

present or you don't want to come up and speak

09: 43: 32

9

at the microphone.

09: 43: 34

10

There should be an Open House flier.

09: 43: 37

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ALCOSAN is going to have its annual Open House

09: 43: 39

12

September 15. It's a really nice event. We

09: 43: 41

13

encourage you to attend that and take others

09: 43: 44

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and particularly kids. It's very educational.

09: 43: 47

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It's all free, and there's also free food.

09: 43: 51

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There is a brochure on sewer overflows. What

09: 43: 55

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you could do -- another important document is

09: 43: 57

18

the public comment guidelines. I'll go over

09: 43: 58

19

that pretty quickly a little later on this

09: 44: 01

20

morning. But there are large boards. There's

09: 44: 03

21

one in the private common area, and there's one

09: 44: 05

22

in the back of the room. And, again, we have

09: 44: 07

23

this piece of paper that's in your booklet that

09: 44: 09

24

basically gives you the guidelines for the

09: 44: 11

25

comment period. It's really important to

1

## LUGENE KEYS

09: 44: 13 2 review that because basically what it says, we  
09: 44: 15 3 want to give everyone equal opportunity and  
09: 44: 18 4 equal time to make their comments and to do  
09: 44: 20 5 that without interruption.

09: 44: 22 6 And finally, there's -- well, I  
09: 44: 26 7 mentioned the survey form with just a few  
09: 44: 28 8 questions that was in the front of your  
09: 44: 30 9 booklet. We need you to drop that off. The  
09: 44: 33 10 main purpose of this meeting is for you to  
09: 44: 33 11 provide comments to ALCOSAN about the Draft Wet  
09: 44: 38 12 Weather Plan. So we don't know if anybody has  
09: 44: 40 13 had an opportunity to see it, to take a look at  
09: 44: 42 14 the plan. It's in the libraries -- the  
09: 44: 43 15 Carnegie Library Network. It's also on-line at  
09: 44: 49 16 ALCOSAN's website, [www.alcosan.org](http://www.alcosan.org). Has  
09: 44: 53 17 anybody had an opportunity to look at the Wet  
09: 44: 55 18 Weather Plan? Great. Excellent. People --  
09: 44: 56 19 three people.

09: 44: 57 20 I think we do have a copy up here in  
09: 45: 00 21 the front. I'm not even going to try to pick  
09: 45: 02 22 it up. Our meeting today is going to be run by  
09: 45: 06 23 a moderator. We're also going to have a  
09: 45: 08 24 timekeeper. Right now Art Tamilia who opened  
09: 45: 10 25 the meeting up is our moderator. I'm thinking

1

## LUGENE KEYS

09: 45: 14 2

I may be the timekeeper --

09: 45: 16 3

MS. BREAN: I am.

09: 45: 17 4

MS. KEYS: Okay. Karen

09: 45: 19 5

Brean -- I'm sorry -- will be our timekeeper.

09: 45: 21 6

And she will be in place just during the

09: 45: 22 7

comment period. Everybody will have three

09: 45: 23 8

minutes to make their comments. She will hold

09: 45: 27 9

up a card that says you have one minute

09: 45: 28 10

remaining, and then a final card that says your

09: 45: 30 11

time is up. And, again, we only want to do

09: 45: 33 12

this so that everybody has equal time to make

09: 45: 36 13

their comments.

09: 45: 38 14

We have two court reporters who will

09: 45: 41 15

be recording the meeting session. And this is

09: 45: 45 16

Tricia. She'll do the meeting session as well

09: 45: 47 17

as the comment period. And we have a private

09: 45: 50 18

common area set up in the kitchen in the back

09: 45: 52 19

of the room, and that's for people who may not

09: 45: 54 20

be comfortable making their comments before a

09: 45: 56 21

crowd, or if you can't stay for the entire

09: 45: 59 22

meeting, and you definitely want to get your

09: 46: 01 23

comments taken, you can go back to the private

09: 46: 03 24

comment area at any point in time. Our comment

09: 46: 06 25

period will follow the presentation and the

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## LUGENE KEYS

09: 46: 08

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presentation question-and-answer session. So

09: 46: 10

3

it will be as indicated on your agenda a little

09: 46: 12

4

bit into our program.

09: 46: 15

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Just for your information, there

09: 46: 17

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should be also a list of public meetings, all

09: 46: 20

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of the public meetings scheduled that ALCOSAN

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has for these events. Public comment is being

09: 46: 26

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taken at every single public meeting that's on

09: 46: 29

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that list. The last two public meetings --

09: 46: 31

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there's one October 17 at the Sheraton Station

09: 46: 34

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Square, and there's also one on October the

09: 46: 35

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19th at ALCOSAN. At those two meetings there

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14

won't be a formal presentation. Those meeting

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times will be completely dedicated to receiving

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16

public comment.

09: 46: 45

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So you can go to that facility. You

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can make your comments orally, or you can bring

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them and drop them off if they're in written

09: 46: 52

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format and leave them with ALCOSAN. But there

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21

won't be a formal meeting agenda like today.

09: 46: 58

22

You'll just come in, be able to make your

09: 47: 00

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comments. That's just the way that ALCOSAN is

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demonstrating the need to get and the

09: 47: 05

25

importance of public comment. Your comments

## LUGENE KEYS

1  
2 will become part of the project record, the  
3 official project record, and will be submitted  
4 with the document to USEPA for review.

5 One thing that we are going to ask  
6 that you do, if you have got questions during  
7 the presentation, unless you really need a  
8 point of clarification to make sure that you  
9 understand what's being conveyed, we would ask  
10 that you hold your questions until the end of  
11 the presentation. At that time we'll have a  
12 question-and-answer period for the  
13 presentation. And after that, we'll take a  
14 five-minute break for the benefit of our court  
15 reporters, and then we'll come back and  
16 initiate the formal comment period and at that  
17 time, once again, we'll review the comment  
18 guidelines.

19 Finally, as you can see, in the back  
20 of the room, the restrooms are all the way in  
21 the back to your left. The ladies' room is the  
22 first door to your left, and the men's room is  
23 there at the end on your left. At this point  
24 that's all I have. Art. Dave. Dave Borneman.  
25 Sorry.

1

DAVID BORNEMAN

09: 48: 05 2

MR. BORNEMAN: Good morning,

09: 48: 09 3

everyone. Can everybody hear me all right?

09: 48: 13 4

Thanks, Eugene.

09: 48: 17 5

MS. KEYS: I was going to tell

09: 48: 18 6

you to stay away from the speakers.

09: 48: 20 7

MR. BORNEMAN: Stay away from

09: 48: 22 8

the speakers. Yes. I'm glad to see everybody

09: 48: 26 9

here this morning. It's a very important issue

09: 48: 28 10

in our region, something we have been working

09: 48: 30 11

on for the last several years. Today we're

09: 48: 33 12

going to try to -- about a 30-minute

09: 48: 36 13

presentation, try to highlight the issues

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related to the Wet Weather Plan.

09: 48: 42 15

Again, if you have not been to our

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plant, this (indicating) is a picture of our

09: 48: 45 17

plant on the North Side of Pittsburgh. We

09: 48: 46 18

handle 250 million gallons a day of wastewater

09: 48: 50 19

from our customer municipalities. There are

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over 4,000 local miles of sewer like from where

09: 48: 58 21

we're standing today. The local sewers in the

09: 49: 00 22

communities generally by gravity flow towards

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the streams and rivers where the ALCOSAN system

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is, the 90 miles of interceptor system where we

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capture and treat flows from the

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DAVID BORNEMAN

09: 49: 13

2

municipalities. Today we capture and treat up

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to 250 million gallons a day.

09: 49: 19

4

We're going to touch base a little

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bit -- if you're not familiar with the history

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of ALCOSAN, prior to the 1950's, this region

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had no significant treatment of wastewater.

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The sewer systems predominantly are as old as

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the communities. The older urban communities,

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like before the 1900's, at that time the local

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sewer systems were built primarily to serve the

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local needs. They were built in such a way to

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collect waste/stormwater, groundwater from the

09: 49: 52

14

properties. Some areas will erode, sometimes

09: 49: 57

15

just very sparse areas, they built a series of

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16

pipes for the rivers and streams, and all the

09: 50: 04

17

flows went to the rivers and streams.

09: 50: 08

18

In the 1950's ALCOSAN was built. At

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that time you not only had your older

09: 50: 14

20

communities, river communities, you also had

09: 50: 17

21

urban, small suburbs. Today we have 83

09: 50: 22

22

communities. So you also have sewer systems

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out there where they also are conveying their

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flows to ALCOSAN. The system at that time by

09: 50: 31

25

design was ALCOSAN's system was designed just

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## DAVID BORNEMAN

09: 50: 34 2 to handle the dry weather flows. The system  
09: 50: 37 3 that ALCOSAN built in 1950 by permit with the  
09: 50: 40 4 state tried to intercept all the dry weather  
09: 50: 44 5 flow, but during a storm, wet weather, rain  
09: 50: 47 6 events, snow-melt conditions, it was designed  
09: 50: 49 7 in such a way that at over 300 points along the  
09: 50: 53 8 rivers and streams, Turtle Creek, the Mon  
09: 50: 57 9 River, Chartiers Creek, Saw Mill Run, Allegheny  
09: 50: 59 10 River, Ohio River, the systems were allowed  
09: 51: 03 11 overflow during wet weather.

09: 51: 05 12 That is the essence of the problem  
09: 51: 06 13 we have today because things changed through  
09: 51: 08 14 the years. The 1950's, ALCOSAN system was  
09: 51: 13 15 built. 1970's, it was an evolving set of  
09: 51: 17 16 regulations, Clean Water Act, there was  
09: 51: 21 17 mandates across the country to upgrade the  
09: 51: 24 18 level of the treatment. That's what we're  
09: 51: 25 19 talking about in 1973. We did expansion and  
09: 51: 28 20 upgraded our treatment plant. Original plant  
09: 51: 29 21 was 150 million gallons a day. We upgraded it  
09: 51: 32 22 to somewhere near 200. We brought in another  
09: 51: 34 23 level of treatment, what we call secondary  
09: 51: 36 24 treatment would roughly remove 85 percent of  
09: 51: 38 25 the pollutants. There's always an ongoing need

## 1 DAVID BORNEMAN

09: 51: 42 2 to upgrade in the level of compliance with EPA  
09: 51: 45 3 regulations. The 1990's, the service area was  
09: 51: 49 4 growing. Certain areas along the perimeter  
09: 51: 51 5 were added to the service area. We also had  
09: 51: 54 6 issues with air quality control of the plant.  
09: 51: 57 7 A lot of improvements were initiated in the  
09: 51: 59 8 1990's.

09: 52: 00 9 2008 is when the Consent Decree was  
09: 52: 03 10 about a 270-page document and was entered into  
09: 52: 06 11 with the EPA, Federal EPA, Department of  
09: 52: 09 12 Justice, Pennsylvania Department of  
09: 52: 11 13 Environmental Protection, and Allegheny County  
09: 52: 14 14 Health Department. That culminated in many  
09: 52: 17 15 years of negotiations that started in the late  
09: 52: 18 16 90's. We were trying to comply with these  
09: 52: 21 17 changing regulations.

09: 52: 24 18 To understand this issue I'm talking  
09: 52: 26 19 about, we have done a lot of work in this area  
09: 52: 28 20 of our service area throughout the service  
09: 52: 30 21 area. It is a problem that we're talking in  
09: 52: 35 22 terms of 9 billion gallons of overflow,  
09: 52: 39 23 untreated wastewater during wet weather in our  
09: 52: 41 24 region. So to study the problem, we had a  
09: 52: 46 25 better understanding of where do our sewers

1 DAVID BORNEMAN

09: 52: 48 2 overflow. As I said, we found over 300 points  
09: 52: 52 3 that we knew about under permit of our system.  
09: 52: 54 4 We also found there's over 100 up in the  
09: 52: 56 5 municipalities' systems, in 83 communities.

09: 53: 00 6 Again, how often does it occur?  
09: 53: 02 7 Under what weather conditions? Again, what  
09: 53: 05 8 impact does it have on the receiving streams?  
09: 53: 08 9 That is the focus of the EPA and the Consent  
09: 53: 11 10 Decree, to provide improvements to the water  
09: 53: 15 11 quality and the use of our rivers and streams.  
09: 53: 18 12 And, again, locally how institutionally can we  
09: 53: 20 13 develop a plan to be implemented? Because, as  
09: 53: 23 14 we said, the 83 municipalities we have, some  
09: 53: 26 15 areas are pretty well -- a certain valley, you  
09: 53: 30 16 may have one community on the left, one  
09: 53: 31 17 community on the right, and then they have a  
09: 53: 33 18 common sewer that they work together to convey  
09: 53: 36 19 the flows towards the receiving stream where  
09: 53: 39 20 ALCOSAN is at.

09: 53: 41 21 We found a lot of things of why they  
09: 53: 44 22 overflow. Again, this is a very wet region.  
09: 53: 47 23 We have a lot of basins. We have a lot of  
09: 53: 49 24 groundwater. We have a lot of urban streams  
09: 53: 52 25 that have been tied into the areas that

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DAVID BORNEMAN

09: 53: 55

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eventually found their way to the ALCOSAN

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system. We have an old aging infrastructure in

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our region. As I said, over 100 years some of

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the sewers are.

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Again, we are learning that there's

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some plumbing practices in the past that were

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not run to code. And, again, you may have had

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an area where you may have had a sanitary

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sewer, but you had no storm sewer system. And

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at that time the storm sewers were usually

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built into the road. There's downspouts or

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foundation drains, and sometimes it all tied

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into the sanitary system. And some of the

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older communities that was permissible, and

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some of the newer communities, it's not.

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There's a variation of complexity of

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types of problems as well. The work we have

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done has identified a lot of sources, has

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quantified the level of runoff, as I said, 98

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gallons of wastewater untreated and

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overflowing. And, again, learning a little

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more of the relationship of how it runs off,

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not just when it hits the surface, but how

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fast; how much of it gets absorbed into the

1 DAVID BORNEMAN

09: 55: 01 2 ground; how much of it runs off because of  
09: 55: 03 3 impervious surfaces. We're also unsure there  
09: 55: 09 4 how treatment is limited in capacity and,  
09: 55: 12 5 again, how that may contribute to how often we  
09: 55: 14 6 have an overflow condition.

09: 55: 16 7 As I said, we are mandated under  
09: 55: 18 8 this Consent Decree to come up with this Wet  
09: 55: 22 9 Weather Plan. It all, in essence, starts with  
09: 55: 24 10 the Clean Water Act. There was a policy with  
09: 55: 28 11 the mine sewer overflows which are your older  
09: 55: 30 12 urban communities that had a one-pipe system.  
09: 55: 34 13 They had both the wastewater, the stormwater  
09: 55: 36 14 and groundwater all going into one.

09: 55: 39 15 There are also issues with what we  
09: 55: 41 16 call separate sewer areas which are more in the  
09: 55: 44 17 suburban communities where they only have a  
09: 55: 46 18 small sanitary pipe, and stormwater is not  
09: 55: 49 19 supposed to find its way into it, but a lot of  
09: 55: 52 20 times it does. We also have, as I said, basins  
09: 55: 55 21 that contribute with groundwater, foundation  
09: 55: 59 22 drains. As we said, the goal of the plan is to  
09: 56: 04 23 eliminate what we call SSOs which are the  
09: 56: 07 24 sanitary sewer overflows. Those are -- of the  
09: 56: 11 25 300 or so overflows, about -- okay. I'm a

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DAVID BORNEMAN

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little too loud. I don't know how to turn that

09: 56: 23

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down thanks, Dan. I'm just trying to keep

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everything away.

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Again, SSO, the sanitary sewer

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overflows. Those are more in the suburban

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communities, newer systems where you have a

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separate sanitary sewer that wasn't supposed to

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get excessive amounts of groundwater or

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stormwater in it. There's about 20 percent of

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our system, the ALCOSAN system, where that

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condition exists, less than combined sewer

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overflows, which by and large are the largest

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contributing by volume of the problem.

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Again, the goals were to provide

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capacity as well going forward so that we can

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sustain growth in our region. They wanted us

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to look out to 2026, the forecast, especially

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in this region, the Turtle Creek and our

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Chartiers Creek region where growth is

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expected. So we're trying to be careful to

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22

maintain the necessary support of the

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infrastructure for growth. The need for

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regional coordination cannot be stated enough.

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It's a very complex arrangement we have with

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DAVID BORNEMAN

09: 57: 29

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our municipalities trying to implement a plan

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to really achieve the benefits. It's very

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complex.

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But the one thing we also have to

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point out in our local areas, some in the areas

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are servicing -- there are some plumbing

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problems, but I have to clarify that the flood

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control is not the objective of this program.

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It's about addressing these controlled pipe

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overflows at the rivers and streams. We

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certainly hope that anything we do will benefit

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some local communities that have some flooding

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problems. However, it is not a flood control

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project or a flood control program.

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The other key point of this Consent

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Decree is that whatever programs is proposed,

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it's supposed to be implemented between now and

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2026 which is a short 14 years from today. So

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to highlight how we went about trying to put

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the plan together, and a lot of this is

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described in the Consent Decree, the level of

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cooperation with the municipalities, the

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gathering of information, exchange of

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information, we did extensive inventory as the

## 1 DAVID BORNEMAN

09: 58: 38 2 municipalities were required to do. They had  
09: 58: 41 3 separate orders with the county and the state.  
09: 58: 43 4 We had to understand better how much pipe was  
09: 58: 45 5 under the ground, how old it is, what condition  
09: 58: 48 6 it's in, how does it respond when we have storm  
09: 58: 52 7 events and where.

09: 58: 53 8 We had to also understand the  
09: 58: 55 9 relationship with these overflows into the  
09: 58: 57 10 rivers and streams. We had to develop a lot of  
09: 59: 01 11 different options to try to control the  
09: 59: 03 12 overflow problem. We had to certainly look at  
09: 59: 05 13 the financial aspect of it, the cost which, as  
09: 59: 08 14 you will see, is significant, as well as how  
09: 59: 12 15 can this arrangement with our customer  
09: 59: 16 16 municipalities work going forward to implement  
09: 59: 19 17 this plan.

09: 59: 21 18 It entailed a lot of municipal and  
09: 59: 22 19 public involvement. And, again, we'll touch  
09: 59: 24 20 base on exactly what we're proposing going  
09: 59: 28 21 forward with the plan. We have had a series of  
09: 59: 31 22 groups form through the process, some mandated  
09: 59: 34 23 by the Consent Decree, Municipal Advisory  
09: 59: 37 24 Committee. We have also had a regional  
09: 59: 41 25 stakeholder group. We have created within our

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1  
2 basin areas -- there's a map in the back --  
3 created local groups there and engaged  
4 municipal officials and the public.

5 The goals of this program, also to  
6 keep in mind, were by EPA's concerns primarily  
7 water quality, the rivers that are used and how  
8 they're used, how can we sustain the current  
9 use. The main concern with the water quality  
10 found is bacteria levels after a storm event.  
11 The elevated indicators are the bacteria levels  
12 in the rivers exceeding water quality  
13 standards.

14 There's a risk associated with those  
15 standards and the uses. The uses predominantly  
16 are boating. Some are on the main rivers.  
17 There's some kayaking. There's certain areas  
18 of our service area they wanted us to  
19 specifically address the pipes in those areas  
20 that are overflowing: Washington's Landing;  
21 all along Sandcastle; along the Mon River.  
22 Also, where the water supplies are, there are  
23 five water intakes that take water from the  
24 main rivers and provide you drinking water.  
25 They have their own separate treatment process

1

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10:00:56

2

which is a higher standard than what we're

10:00:59

3

talking about, giving you safe drinking water.

10:01:01

4

There's still concerns there are any

10:01:03

5

relationship between these overflows of

10:01:04

6

bacteria, the indicators of what might be in

10:01:07

7

the rivers, the organisms, and how it may

10:01:08

8

impact water uses, drinking water, or

10:01:11

9

conditional uses.

10:01:12

10

We also had to look at certain times

10:01:15

11

of the year where the recreational use is much

10:01:18

12

higher, certainly more this past summer. It

10:01:21

13

was more -- we seen more activity. Again,

10:01:25

14

trying to balance all of these things, also

10:01:28

15

with economic growth, redevelopment along the

10:01:33

16

rivers, certain areas have some potential

10:01:33

17

growth.

10:01:39

18

We also had to consider a couple

10:01:41

19

legal aspects. I mentioned the deadline of

10:01:45

20

2026. But there's also a third-party lawsuit

10:01:47

21

that we had to settle with some group over in

10:01:51

22

Chartiers Creek. We settled that actually

10:01:53

23

prior to the Consent Decree back in 2004. And

10:01:56

24

it had a schedule to clean up that part of our

10:01:58

25

service area by 2019. As I mentioned earlier,

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1  
2 extensive work was done on understanding better  
3 the relationship of these overflows with the  
4 rivers and streams, and essentially it requires  
5 a lot of sampling of both the discharge points  
6 as well as the various points along the rivers  
7 and streams. We had to do it during wetland/  
8 dryland conditions.

9 As I said earlier, bacteria was  
10 determined among all the perimeters we had to  
11 look at. Bacteria, again, is a main concern  
12 that the state has all these different  
13 standards of the rivers and streams, and that  
14 is the one area where it violates the  
15 standards.

16 Again, as I mentioned earlier, the  
17 risks as it means to the use of the rivers and  
18 the public, public health issues, public safety  
19 issues. The uses of the rivers go hand in  
20 hand. To touch base on our approach as to how  
21 to once we quantify the problem in terms of the  
22 gallons of overflow, how often they occur and  
23 where, where they're coming from, we try to  
24 also look at our service area and look at our  
25 communities as to there are four approaches,

1

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10:03:16

2

and the solution here is really a mix of all.

10:03:18

3

First of all, you have to understand ALCOSAN's

10:03:21

4

charge is to provide in the Consent Decree

10:03:25

5

treatment of all these overflows that come

10:03:27

6

through the ALCOSAN system, and bring the

10:03:28

7

frequency and duration of the overflows to be

10:03:31

8

in compliance with the standards.

10:03:32

9

The SSO areas mandate is they have

10:03:35

10

to be eliminated. CSOs, they have to be

10:03:39

11

reduced to such a frequency and duration that

10:03:41

12

they do not cause the problem with the water

10:03:43

13

quality standards. And you'll see us looking

10:03:47

14

at a very -- various levels of controls, but

10:03:50

15

all included approaches that first with the

10:03:53

16

communities, if there's a way to remove the

10:03:55

17

amount of groundwater or stormwater from the

10:03:58

18

local sewer systems and stormwater management

10:04:01

19

practices. That was something that, again, we

10:04:03

20

try to educate and try to advise that that is

10:04:07

21

the form of an option.

10:04:09

22

However, by and large with

10:04:10

23

exchanging information with the municipalities,

10:04:13

24

asking them how much flow they plan to send to

10:04:17

25

us, we then had to look at the existing ALCOSAN

1

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10: 04: 19

2

system. It's not sized or designed for wet

10: 04: 24

3

weather. Weather improvements we have to make

10: 04: 27

4

to that. Some of the communities, also they

10: 04: 29

5

may have some local problems where some other

10: 04: 32

6

overflow points happen in the valleys. They

10: 04: 34

7

may have to do some additional infrastructure

10: 04: 36

8

improvements to take care of the problem

10: 04: 38

9

locally.

10: 04: 38

10

So the other three options are more

10: 04: 40

11

in terms of if we have this overflow condition

10: 04: 43

12

that's going to continue in the future, what

10: 04: 46

13

can we do to control it or eliminate it? And

10: 04: 49

14

those are a series of solutions where we either

10: 04: 51

15

are trying to provide some underground storage

10: 04: 55

16

where it comes to the ALCOSAN's system, hold it

10: 04: 57

17

until the storm lets over, integrate in the

10: 05: 00

18

plant or convey more pipes to the plant or

10: 05: 04

19

expand the plant with all the conditional

10: 05: 07

20

conveyance improvements.

10: 05: 08

21

And as you'll see, we had to sift

10: 05: 10

22

through a lot of different variations of those

10: 05: 13

23

four options. And we'll share with you the

10: 05: 16

24

solution that we're proposing on the Wet

10: 05: 19

25

Weather Plan. As I mentioned about source

1

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10: 05: 22

2

control, this region has had a history because

10: 05: 24

3

of high groundwater, because of the various

10: 05: 27

4

types of infrastructure and age of the systems,

10: 05: 31

5

source control is very difficult.

10: 05: 33

6

However, we certainly have tried to

10: 05: 36

7

encourage that if our plans aren't the

10: 05: 38

8

redevelopment, there are local programs that

10: 05: 40

9

are going to address eliminating stormwater

10: 05: 43

10

from the systems or separate it out, or new

10: 05: 47

11

technologies that are out there, green

10: 05: 49

12

technologies where we think of the materials

10: 05: 53

13

used in the design of treescapes, more trees,

10: 05: 57

14

you know, we tried to educate the public and

10: 06: 00

15

municipalities, for several years we formed

10: 06: 03

16

through the wet weather who as late as 2010

10: 06: 06

17

tried to give guidance to the municipalities to

10: 06: 09

18

consider green options.

10: 06: 11

19

The problem with the region is

10: 06: 12

20

twofold. First under our institutional

10: 06: 16

21

arrangement, ALCOSAN does not have authority to

10: 06: 18

22

implement -- bring the people that can

10: 06: 20

23

implement with green or the people to control

10: 06: 22

24

the land use that have ownership of the local

10: 06: 25

25

redevelopment, adopting the local ordinances.

1

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10:06:31

2

There the municipalities, as we have asked

10:06:33

3

them, if you are going to do any source

10:06:35

4

control, tell us. You'll see a whole section

10:06:37

5

in this plan of what we captured of what we

10:06:39

6

know today upon which source control will be,

10:06:42

7

and there's a sprinkling of it in the plan but

10:06:45

8

not enough to change the need for additional

10:06:48

9

controls, additional pipes, additional

10:06:51

10

facilities to come to the compliance with the

10:06:55

11

Consent Decree.

10:06:57

12

Again, our role has always been to

10:06:59

13

catch whatever flow is sent to us and comply

10:07:02

14

with the EPA regulations to provide the

10:07:04

15

necessary control and treatment, and that's

10:07:06

16

where we are today. Municipalities have set

10:07:10

17

the deadline to submit -- study and submit

10:07:13

18

their intentions July of next year. We have

10:07:17

19

captured in this plan what we know to date. If

10:07:19

20

things change in the next year or the next nine

10:07:22

21

months, we'll be back to incorporate those

10:07:24

22

changes.

10:07:26

23

Again, we have tried to educate both

10:07:29

24

the public and municipal officials on the new

10:07:33

25

evolving technology of green infrastructure.

1

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10:07:35

2

Other cities are much further along than us and

10:07:38

3

have different institutional arrangements. You

10:07:42

4

know, we have helped foster within Three

10:07:44

5

Rivers -- there are other local agencies --

10:07:47

6

Pennsylvania Environmental Council. Together

10:07:49

7

those two agencies formed a green

10:07:51

8

infrastructure network.

10:07:53

9

We have been successful in getting

10:07:54

10

some local funding. \$40 or \$50 million dollars

10:07:58

11

over the last 10 years has been actually

10:08:00

12

lobbied by ALCOSAN and received in the region

10:08:02

13

and have done some things with stream removal,

10:08:05

14

some of the streams like Pine Hollow and some

10:08:07

15

area here locally. There are things that we

10:08:11

16

have been able to get some funding to help

10:08:13

17

municipalities implement some programs.

10:08:15

18

We also are trying to get an

10:08:17

19

environmental sewer by all the new building

10:08:20

20

construction of the plant, finish one building,

10:08:22

21

and another building is almost completed where

10:08:25

22

we have achieved LEED certifications with the

10:08:29

23

use of green infrastructure, whether it's

10:08:32

24

harvesting off the roofs, or in this case, a

10:08:35

25

picture of our departmental bioswales and our

1

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10:08:39

2

customer service building. Again, as I said

10:08:40

3

earlier, as municipal plans are refined, if

10:08:42

4

there's anything they do to source-control,

10:08:45

5

whether they are going to implement groundwater

10:08:48

6

systems or implement some meaningful stormwater

10:08:51

7

management or green infrastructure, we will

10:08:53

8

refine our plan to reflect those intentions in

10:08:56

9

those efforts.

10:08:57

10

The thing you have to keep in mind

10:08:59

11

is EPA is number driven. As I mentioned

10:09:03

12

earlier, 9 billion gallons of overflow. They

10:09:06

13

are interested in a lot of math and interested

10:09:08

14

in solutions that can quantify improvements.

10:09:11

15

Certainly if we're talking about building more

10:09:13

16

pipes, more facilities, we can quantify how

10:09:16

17

much flow we will then not overflow. But when

10:09:19

18

we talk about source-control, it's very hard to

10:09:22

19

quantify how much reduction can be achieved,

10:09:25

20

and those are the types of figures we will need

10:09:28

21

from the municipalities.

10:09:29

22

To date of the 83 municipalities,

10:09:31

23

we've got some green reflected in three

10:09:33

24

communities, but it's not quantified. So,

10:09:36

25

again, we're trying to keep the door open, if

1

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10:09:39

2

there's new information from the municipalities

10:09:40

3

going forward.

10:09:44

4

We have looked at this problem a

10:09:46

5

number of ways, various combinations of

10:09:49

6

technology. Overall system-wide, we have

10:09:54

7

looked at about 26, what we say, control

10:09:57

8

alternatives. A lot of these are requested by

10:09:59

9

the EPA and DEP. They want us to look at the

10:10:03

10

need for another plant. They asked us do

10:10:06

11

various sizes and lengths of different

10:10:08

12

conveying storage facilities.

10:10:10

13

These are just, again, numerically

10:10:12

14

some of the things we have you identify, first

10:10:14

15

the options, and then when I said earlier about

10:10:16

16

the performance. We had to identify the

10:10:19

17

options but also quantify how is that going to

10:10:22

18

affect the overflow volumes? How much is that

10:10:24

19

actually going to be captured? And how often

10:10:27

20

will we still have overflows? And the more

10:10:28

21

meaningful to the EPA is what are the measured

10:10:31

22

benefits to the rivers and streams.

10:10:33

23

And there's a thing called the knee

10:10:35

24

of the curve that I'll show you later as to how

10:10:38

25

we try the varied options and how it helps

1

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10: 10: 40

2

arrive at a cost-effective solution. With all

10: 10: 44

3

these things considered, this (indicating) is a

10: 10: 48

4

map of the selected plan. It shows about \$3.6

10: 10: 57

5

billion dollars of improvements that include a

10: 10: 59

6

half a billion of municipal improvements.

10: 11: 03

7

There's a few hundred miles of local conveyance

10: 11: 07

8

storm improvements that are included in there

10: 11: 09

9

that have been identified by the

10: 11: 10

10

municipalities.

10: 11: 11

11

But more importantly, we're showing

10: 11: 12

12

you on this map (indicating) the ALCOSAN

10: 11: 15

13

improvements. The plan on the North Side of

10: 11: 17

14

Pittsburgh, we will expand that plan to the

10: 11: 20

15

tune of going from 250 million gallons a day to

10: 11: 25

16

600 million gallons a day as well as in all

10: 11: 28

17

conditions year-round, 295 million gallons will

10: 11: 31

18

receive full secondary treatment, and I'll

10: 11: 34

19

explain that to you further.

10: 11: 35

20

With the plant expansion, we have

10: 11: 37

21

recognized the need for improvements all along

10: 11: 40

22

the existing interceptor system. There's a

10: 11: 43

23

series of tunnels that are proposed. The green

10: 11: 45

24

is under the combined sewer controls that

10: 11: 50

25

extends from the plant. It's a tunnel that's

1

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10: 11: 52

2

going to be about 150 feet deep, tunnel and

10: 11: 56

3

rock, Pittsburgh bedrock. Using the green is

10: 12: 01

4

using the technology, the tunnel boring

10: 12: 04

5

machine, talking 12 to 14 feet in diameter for

10: 12: 07

6

the green here (indicating). It extends all

10: 12: 11

7

the way up to Washington Boulevard on the

10: 12: 13

8

Allegheny. It extends all the way out here

10: 12: 15

9

(indicating) near the Rankin and Braddock area.

10: 12: 19

10

The purple lines are still large

10: 12: 22

11

pipes to be built, but they won't be using that

10: 12: 25

12

boring machine. They're under 10 feet in

10: 12: 27

13

diameter. There will still be some boring

10: 12: 29

14

machines used, but they will be not of the size

10: 12: 32

15

of the other. There's also some open-cut where

10: 12: 34

16

you really open the ground from the surface and

10: 12: 37

17

digging a trench and laying the pipe. These

10: 12: 39

18

are significant pipes. On Chartiers Creek

10: 12: 42

19

we're talking from McKees Rocks all the way out

10: 12: 45

20

to Bridgeville. Saw Mill Run, we're actually

10: 12: 47

21

extending the combined sewer tunnel all the way

10: 12: 50

22

out to McNeilly Road, out 51 to 88.

10: 12: 53

23

And this region here (indicating),

10: 12: 54

24

we have realized that along the perimeter of

10: 12: 57

25

our system, there's a break point between

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1  
2 additional conveyance and storage, and this  
3 area here (indicating), we're actually building  
4 a deep -- it's not the size of the green. So  
5 it's purple color. So it's less than 10 feet  
6 in diameter but will be a need for additional  
7 trunk sewer along ALCOSAN's system all the way  
8 throughout this region but would supplement  
9 that with storage tanks. These cylinders are  
10 four locations under this \$3.6 billion dollar  
11 plan. This is the plan that to achieve all the  
12 necessary levels of control of SS0s, this is  
13 what will be needed bringing in compliance.

14 Upper Allegheny will supplement the  
15 tunnel with some additional local sewer  
16 improvements on the North Shore, Sharpsburg,  
17 Etna area as well as storage up here  
18 (indicating) near Verona, Blawnox area. Down  
19 to Emsworth, it's a different color, light  
20 blue, but that's still a tunnel, actually a  
21 little larger than this (indicating), but its  
22 primary purpose is to store and convey SS0s.  
23 So with that said, this is a \$3.6 billion  
24 dollar plan. It indicates here the level  
25 improvements and control in terms of volumes,

1

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10: 14: 14

2

the numbers. It also addresses sensitive areas

10: 14: 18

3

that I mentioned earlier, the back channel of

10: 14: 21

4

Washington's Landing. There's the various

10: 14: 22

5

water supply intakes which are these triangles

10: 14: 25

6

in yellow. There's a public boat ramp on the

10: 14: 28

7

South Side of Pittsburgh that's some concern as

10: 14: 31

8

well as the Sandcastle area.

10: 14: 33

9

So we address the level of control

10: 14: 35

10

mandated by the EPA to achieve water quality.

10: 14: 38

11

However, it is not affordable, which I will

10: 14: 41

12

talk about in a little bit. Clearly, this

10: 14: 43

13

region cannot support in that time frame that

10: 14: 46

14

cost. This is what you'll see more developed

10: 14: 52

15

in the Wet Weather Plan. The Wet Weather Plan

10: 14: 54

16

highlights all the various options. It

10: 14: 57

17

highlights how we achieve compliance. Legally

10: 15: 00

18

we have to have a plan that does show how we

10: 15: 02

19

can meet compliance with the EPA regulations.

10: 15: 05

20

However, they are also making an

10: 15: 07

21

argument that we cannot afford to implement a

10: 15: 09

22

\$3.6 billion dollar plan. Again, that includes

10: 15: 12

23

\$500 million dollars worth of local costs,

10: 15: 15

24

local improvements. But with our plan, we are

10: 15: 19

25

willing to renegotiate a plan that we can

1

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10: 15: 21

2

afford. This is a plan that, again, with other

10: 15: 25

3

considerations, but this is what you'll see in

10: 15: 27

4

the draft plan that we are recommending. We

10: 15: 30

5

will explain a little further that this is a \$2

10: 15: 33

6

billion dollar plan. And a few slides I'll

10: 15: 36

7

explain how we got to \$2 billion. But it's

10: 15: 39

8

taking that earlier plan and seeing what parts

10: 15: 42

9

of it is the best way to spend the first \$2

10: 15: 45

10

billion dollars.

10: 15: 47

11

This plan, as you can see, has a lot

10: 15: 49

12

of the elements that I mentioned in the other

10: 15: 51

13

plan but are less, less. We're still talking

10: 15: 56

14

about the plant expansion. We're not going to

10: 15: 58

15

expand it to 600 but to 480 million gallons.

10: 16: 03

16

There are certain aspects that we're going to

10: 16: 05

17

drop out of this plan. But between the plant

10: 16: 07

18

expansion and the improvements you see here,

10: 16: 09

19

the whole region will benefit. We will be able

10: 16: 12

20

to capture more flows from this area, from the

10: 16: 15

21

upper Allegheny. We just won't be able to

10: 16: 17

22

provide as much capture and treatment as under

10: 16: 19

23

the other select -- the compliance plan. But

10: 16: 23

24

it does entail construction of the tunnel

10: 16: 25

25

starting from the plant coming up to the point,

1

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10: 16: 29

2

going so far up the Allegheny, Strip District,

10: 16: 33

3

Lawrenceville area from all the way up to

10: 16: 35

4

Second Avenue where Greenfield Avenue, Panther

10: 16: 40

5

Hollow comes down to the river. It still

10: 16: 43

6

includes improvements along the sensitive areas

10: 16: 45

7

of the Sandcastle area trying to relocate some

10: 16: 47

8

of the pipes that are within the recreational

10: 16: 51

9

area. The back channel of Washington's

10: 16: 55

10

Landing, will improve the back channel.

10: 16: 57

11

Because I said there was another

10: 16: 59

12

legal matter, we have recommended that the

10: 17: 04

13

upper part of Chartiers Creek, the areas cover

10: 17: 08

14

the third-party lawsuit, we're going to make

10: 17: 11

15

improvements on the part of Chartiers Creek

10: 17: 11

16

with an interim facility. It originally had

10: 17: 14

17

storage proposed there. We're going to modify

10: 17: 16

18

that facility and also provide some level of

10: 17: 19

19

treatment for wet weather.

10: 17: 20

20

That is a \$2 billion dollar plan

10: 17: 22

21

that is highlighted in here (indicating), and

10: 17: 23

22

you'll see in the plan the implementation

10: 17: 28

23

reflects implementing this plan here. It does

10: 17: 31

24

include all the \$500 million dollars of local

10: 17: 33

25

improvements. So you have \$1.5 billion of

1

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10: 17: 36

2

ALCOSAN improvements I'm showing you, and

10: 17: 38

3

there's still, again, complimented with about

10: 17: 41

4

\$500 million dollars of local improvements

10: 17: 43

5

which municipalities have shared with us so far

10: 17: 45

6

that includes a lot of additional second pipes,

10: 17: 48

7

pipes being reconstructed up the areas that

10: 17: 52

8

flow towards ALCOSAN.

10: 17: 54

9

This is just a highlight of what

10: 17: 57

10

we're talking about the plant expansion. The

10: 18: 01

11

flows today underneath the plant are 100 feet

10: 18: 03

12

down. They are pumped through the plant, go

10: 18: 05

13

through the full treatment which will remove

10: 18: 08

14

large debris from the streams process. Then we

10: 18: 11

15

have an area where we move out road sediment,

10: 18: 13

16

and then we send them through what we call our

10: 18: 15

17

primary treatment which is part of the original

10: 18: 17

18

plan, and that removes about 30 to 50 percent

10: 18: 22

19

of the pollutants.

10: 18: 24

20

It then continues on to what we call

10: 18: 26

21

the secondary. This is the part of the plant

10: 18: 28

22

that was expanded in the '70s and then later

10: 18: 30

23

expanded in the '90s. That is what provides

10: 18: 33

24

the biological treatment process that then from

10: 18: 36

25

there it flows to our disinfection tank where

1

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10: 18: 39

2

we add sodium-nickel chloride, given as a

10: 18: 42

3

strong bleach that then kills the bacteria

10: 18: 45

4

below that we can discharge back into the

10: 18: 47

5

river.

10: 18: 47

6

The proposed plan would utilize a

10: 18: 51

7

lot of what we have in place. However, you can

10: 18: 53

8

see a lot of blue blocks. These are little

10: 18: 55

9

splinters of the plant site which you can see

10: 18: 57

10

is very limited along the river. This

10: 19: 00

11

(indicating) is Route 65 up here, the railroad

10: 19: 02

12

tracks here (indicating) and McKees Rocks

10: 19: 04

13

bridge, Ohio River.

10: 19: 05

14

So we have tried to take advantage

10: 19: 06

15

of what land there is available and propose a

10: 19: 09

16

process which EPA provides during our Wet

10: 19: 14

17

Weather Plan regulations. So we will bring all

10: 19: 16

18

the flows through the plant. Well, actually

10: 19: 17

19

under 600 million gallons a day, we'll have to

10: 19: 20

20

build a second pumping station. If we stay at

10: 19: 23

21

480, we may not have to depending on what's

10: 19: 26

22

decided going forward with the conveyance

10: 19: 29

23

improvements, but we're going to expand the

10: 19: 31

24

streams and river and primary, and that part of

10: 19: 35

25

the plant will be able to handle the 480 or 600

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10: 19: 39 2 million gallons. The secondary area will still  
10: 19: 42 3 be expanded up to 295, but all flows up to 295  
10: 19: 46 4 will receive full treatment, but during wet  
10: 19: 49 5 weather under EPA regulations, we will be  
10: 19: 50 6 allowed to take the flows that go through the  
10: 19: 53 7 primary but can't make it through the  
10: 19: 55 8 secondary, we will bypass this part of the  
10: 19: 57 9 process but will provide disinfection of it.  
10: 19: 59 10 So all will be disinfected. And under Wet  
10: 20: 04 11 Weather Plan conditions, you'll see the bypass  
10: 20: 05 12 activity, but will greatly enhance the  
10: 20: 07 13 treatment capacity and capture of these  
10: 20: 09 14 overflows.

10: 20: 11 15 As I mentioned earlier, the most  
10: 20: 14 16 important aspect of this plan is affordability.  
10: 20: 17 17 EPA did come out with guidance, and they  
10: 20: 19 18 recognized this years ago, that, you know, what  
10: 20: 23 19 level of burden can a repair afford to make  
10: 20: 25 20 these improvements. So they came out with  
10: 20: 28 21 guidelines back in the late '90s that said,  
10: 20: 32 22 well, we'll take the median household income in  
10: 20: 38 23 our region, which is about \$45,000 across our  
10: 20: 41 24 service area, and it varies greatly community  
10: 20: 44 25 to community, but their guidelines said, okay,

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1  
2 1 percent or less, that's considered any  
3 improvement is a low impact or burden to the  
4 ratepayer. If it's 1 to 2 percent, it's  
5 midrange. Anything greater than 2 percent is  
6 considered to be high burden.

7 We set the bar at 2 percent. We  
8 feel responsibly to our ratepayer that that is  
9 as much as we can propose to our customers in  
10 the level of improvements. The 2 percent in  
11 doing the math related to supporting concerning  
12 existing debt, trying to average out what we  
13 understood was a debt, and the improvements of  
14 the municipalities we're talking about, we set  
15 a cap of improvements at the \$2 billion dollar  
16 figure.

17 Now, stepping back as we talked  
18 about various options, we had looked at a  
19 series of approaches with all these various  
20 options and improvements and facilities. If we  
21 had tried to remove all the stormwater out of  
22 the sewer systems and rebuild the storm  
23 systems, you're talking about a \$10 billion  
24 dollar solution. That's this green block here  
25 (indicating). If we simply looked at

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10: 21: 56 2 variations in size and lengths of the tunnel  
10: 21: 59 3 approach, which you saw in both of the plan  
10: 22: 02 4 maps, that's this green bar here (indicating),  
10: 22: 05 5 if we looked at building some local  
10: 22: 07 6 improvements without building a tunnel,  
10: 22: 09 7 building about 30 to 40 facilities along the  
10: 22: 11 8 rivers and streams, that's this blue bar here  
10: 22: 15 9 (indicating), EPA, again, looking at the  
10: 22: 18 10 threshold of compliance, this is -- why I asked  
10: 22: 23 11 this in terms of billions of dollars, this is  
10: 22: 27 12 in terms of what I told you earlier, 9 billion  
10: 22: 30 13 gallons of overflow. We started at this point  
10: 22: 33 14 here just for the purpose of clarity. This is  
10: 22: 35 15 3.5 billion gallons here (indicating). This is  
10: 22: 38 16 how much will be left with level of  
10: 22: 39 17 improvements as you go to the right and greatly  
10: 22: 42 18 reduce the amount of overflow still left.

10: 22: 44 19 So we're looking in this range here,  
10: 22: 46 20 this is a billion gallons right here  
10: 22: 48 21 (indicating). EPA tries to assess how much  
10: 22: 51 22 money should you spend and try to measure what  
10: 22: 53 23 the value and the return is. And as long as  
10: 22: 57 24 you're seeing added value with the level of  
10: 23: 00 25 improvements, they call it a knee in the curve

1

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10: 23: 04

2

right in this side (indicating). The EPA would

10: 23: 06

3

like us to be in this part of the curve

10: 23: 08

4

selected option. We're showing you here

10: 23: 10

5

(indicating) is various levels of control.

10: 23: 12

6

Today we know from 30 to 70 times a year

10: 23: 15

7

depending what part of the system.

10: 23: 16

8

All these improvements inside of the

10: 23: 18

9

variation, we brought it down about 13 to 20

10: 23: 21

10

depending on what approach we took in the

10: 23: 23

11

tunnel or local -- regional basin improvements.

10: 23: 26

12

As we came this way, you start to see it going

10: 23: 29

13

up where you're seeing spending significant a

10: 23: 32

14

lot more money to reduce a little bit of

10: 23: 35

15

overflow. This is where you see it -- when it

10: 23: 35

16

starts turning up here is where you're in the

10: 23: 38

17

range of what makes sense from a cost-effective

10: 23: 40

18

standpoint, from a benefits to cost.

10: 23: 43

19

What we're showing you here, this

10: 23: 45

20

triangle (indicating) is where that \$3.6

10: 23: 47

21

billion dollar program would take us in terms

10: 23: 50

22

of reduced to 9 billion gallons of overflow

10: 23: 54

23

down to less than a billion gallons. But as I

10: 23: 57

24

mentioned, we also determined \$2 billion

10: 23: 59

25

dollars is all we can afford to do. This is,

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1  
2 again, the driving force as to how we went from  
3 showing you a \$3.6 billion dollar plan for  
4 compliance to then determining what \$2 billion  
5 dollars could do for the region. This also  
6 highly impacts, as I said earlier, the median  
7 household income varies greatly by  
8 municipality. We try to consider that as well.  
9 This is under the \$3.6 billion dollar plan.  
10 Red is over 3 percent. Green is less than 2  
11 percent. The yellow, somewhere in between 2 to  
12 3 percent. It's still significant in our  
13 minds. As I said earlier, anything over 2  
14 percent is considered high, high burden.  
15 Just to highlight the impacts, we're  
16 talking in terms of 26 municipalities will  
17 exceed the 3 percent. The red speaks for  
18 itself. A lot of the Steel Valley communities  
19 here, Turtle Creek communities, City of  
20 Pittsburgh -- City of Pittsburgh is 3.1. There  
21 are some of these communities that are actually  
22 over 4 percent. Again, it reflects some of the  
23 older communities, McKees Rocks. That, again,  
24 is why we said we cannot recommend to the  
25 agencies or to you, the public, a \$3.6 billion

1

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10: 25: 15

2

dollar plan. There are other reasons under

10: 25: 17

3

consideration. Finance the debt because there

10: 25: 20

4

is no federal money to assist us in this

10: 25: 23

5

program. This is all borrowing money to make

10: 25: 25

6

capital improvements and asking the ratepayer

10: 25: 28

7

to pay for them.

10: 25: 29

8

This is the impact of the \$2 billion

10: 25: 32

9

dollar plan. It's still not, you know, good

10: 25: 34

10

for everybody. It still has some impacts

10: 25: 38

11

locally in the Steel Valley that are still

10: 25: 40

12

keeping us over 3 percent. There are some

10: 25: 43

13

other communities, Mt. Oliver, McKees Rocks,

10: 25: 46

14

similarly over 3 percent. It does paint a

10: 25: 49

15

better picture for the yellow communities, but

10: 25: 53

16

they're still over 2 percent. City of

10: 25: 55

17

Pittsburgh is 2.3 percent.

10: 25: 59

18

Looking at the guidance documents,

10: 26: 01

19

we still felt where you draw the line, the \$2

10: 26: 04

20

billion dollar plan, \$1.5 billion of ALCOSAN

10: 26: 06

21

improvements, \$500 million of municipal

10: 26: 10

22

improvements. That's where we felt we can make

10: 26: 12

23

an argument to renegotiate with the EPA.

10: 26: 16

24

What we see happening with the rates

10: 26: 19

25

to support that between now and 2026, the

1

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10: 26: 22

2

amount of money that has to be borrowed to

10: 26: 24

3

finance, we have concluded that there is going

10: 26: 26

4

to be a point in that time period where you

10: 26: 29

5

will see our annual rate increases go up to 10

10: 26: 32

6

to 12 percent. It's unavoidable. Maybe it's

10: 26: 38

7

avoidable. Things could change, but it seems

10: 26: 40

8

likely.

10: 26: 42

9

We are saying that the cost today

10: 26: 43

10

will double, not right away, but over time as

10: 26: 47

11

more money is borrowed, we will reach a point

10: 26: 49

12

where average cost per household -- this is an

10: 26: 52

13

average. It will vary. It will double by 2026

10: 26: 56

14

to support a \$2 billion dollar plan.

10: 27: 00

15

So going forward, we are trying to

10: 27: 02

16

use those affordability provisions to make an

10: 27: 05

17

argument and to renegotiate that if we put

10: 27: 09

18

forward this \$2 billion dollar plan, we can

10: 27: 12

19

achieve it. We are trying to say to the EPA

10: 27: 16

20

other cities are doing it, that we maybe can

10: 27: 20

21

implement a \$2 billion dollar plan, we think we

10: 27: 22

22

can at this point get it done by 2026.

10: 27: 25

23

However, we are seeing across the country a lot

10: 27: 28

24

of things changed since we negotiated our

10: 27: 32

25

Consent Decree. The green infrastructure

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1  
2 movement, you know, locally the Rain Garden  
3 Alliance qualifies maybe 100,000 gallons of  
4 reduced flows. We need to get much more than  
5 that if we're going to be able to quantify  
6 additional stormwater management practices like  
7 green gardens or rain barrels, bioswales  
8 pervious pavement, those types of new practices  
9 going forward. You know, there are changes  
10 going on, and certainly we will try to approach  
11 if there's a way that municipalities are  
12 proposing programs like that, we try to work  
13 them into the program.

14 There are changes with the EPA  
15 regulations. They are considering new  
16 regulations on the bacteria levels on the  
17 recreational use on the rivers and streams.  
18 That may help us a little bit. We are  
19 recognizing an over -- a program over a 10, 15-  
20 year plan, you should have stops like five,  
21 seven years to reassess where you are  
22 financially, the scope technically of the  
23 program, making sure things haven't changed.  
24 So we're calling it adaptive management  
25 principles. They negotiate longer periods of

1

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10: 28: 42

2

time. They allow for -- you know, we're going

10: 28: 44

3

to make a responsible commitment and recognize

10: 28: 47

4

things can change and allow you to change

10: 28: 49

5

things accordingly.

10: 28: 51

6

All this work is a culmination of a

10: 28: 55

7

lot of engineering work, a lot of interaction,

10: 28: 59

8

communication, exchanging information, learning

10: 29: 00

9

more about the rivers and streams,

10: 29: 02

10

understanding as best as we can the impact to

10: 29: 05

11

our ratepayers, and also, it's been an

10: 29: 08

12

education process of both the public and

10: 29: 09

13

communities.

10: 29: 10

14

However, trying to work together,

10: 29: 12

15

you know, integrate a planning process, trying

10: 29: 15

16

to understand compliance of this problem, how

10: 29: 19

17

we can do it responsibly over a period of time,

10: 29: 22

18

those are our goals, and we still believe

10: 29: 25

19

there's a measurable amount of benefits to the

10: 29: 28

20

rivers and streams. Even under the \$2 billion

10: 29: 32

21

dollar plan, we're still talking about using

10: 29: 33

22

about reaching that 9 billion gallons of

10: 29: 35

23

overflow basically in half. So there are

10: 29: 37

24

things that we can achieve responsibly and

10: 29: 40

25

affordably, but today we're trying to share

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10: 29: 43 2 with you where we are in this process and  
10: 29: 46 3 welcome your comments. Lugene mentioned  
10: 29: 48 4 earlier, and Art, this is the product, this  
10: 29: 51 5 plan here is on our website. We have made it  
10: 29: 54 6 available for municipalities. We have a  
10: 29: 54 7 booklet, the companion document here that was  
10: 29: 57 8 in the folder. It highlights a lot of the  
10: 30: 01 9 aspects of the plan, what it means to you, the  
10: 30: 04 10 ratepayer.

10: 30: 05 11 We are trying to issue a series of  
10: 30: 09 12 fact sheets. We have our Open House September  
10: 30: 11 13 15. We have these public meetings. As you  
10: 30: 13 14 saw, there's a list of the remaining public  
10: 30: 16 15 meetings that we hope you to tell someone to  
10: 30: 18 16 come out to and learn more about the issue,  
10: 30: 20 17 various social media. And, again, our website,  
10: 30: 24 18 we have created it in the last five or six  
10: 30: 26 19 years. It has full information on the issue as  
10: 30: 28 20 well as our plans going forward.

10: 30: 31 21 As Lugene said, we are going to do a  
10: 30: 36 22 comment period. These meetings will continue  
10: 30: 38 23 through October 19. We have provided methods  
10: 30: 42 24 for everyone to comment or appear today and  
10: 30: 45 25 going forward in the future. Various forms are

## 1 DAVID BORNEMAN - LUGENE KEYS

10: 30: 47 2 listed here providing testimony of these types  
10: 30: 50 3 of meetings. E-mail your thoughts to our  
10: 30: 54 4 websites. There are forms provided in the  
10: 30: 58 5 folder. You can mail information to us. And,  
10: 31: 00 6 again, the last public meetings are actually  
10: 31: 02 7 for testimony only. I may be there, but I  
10: 31: 05 8 won't be presenting.

10: 31: 06 9 But hopefully the people will come  
10: 31: 09 10 to those and have knowledge of the issue by  
10: 31: 11 11 then, but they will be able then to provide  
10: 31: 13 12 their own testimony. Those are long periods of  
10: 31: 16 13 time. October 17, 19. There's ample time for  
10: 31: 19 14 anybody to stop by and provide a comment.

10: 31: 22 15 With that, I will -- we're going to  
10: 31: 27 16 go back to Eugene, and I don't know if we're  
10: 31: 31 17 talking about questions and answers at this  
10: 31: 33 18 point or take a break.

10: 31: 35 19 MS. KEYS: I think right now  
10: 31: 37 20 if there are any questions associated with the  
10: 31: 39 21 presentation, this will be the time to ask  
10: 31: 41 22 those questions. Once we get through the  
10: 31: 43 23 questions, we're going to take a five-minute  
10: 31: 47 24 break for the benefit of our court reporters.  
10: 31: 47 25 You can come back and get refreshments, go to

1 DAVID BORNEMAN - LARRY HARRIS

10: 31: 49 2 the restroom if you like, and then we have a  
10: 31: 51 3 comment period. Are there any questions? Yes,  
4 sir.

5 MR. HARRIS: Yes. Could  
6 you --

7 THE COURT REPORTER: Can I  
8 have your name, please, sir?

10: 32: 12 9 MR. HARRIS: -- explain --

10 THE COURT REPORTER: I'm  
11 sorry. Can I have your name please, sir?

12 MR. TAMILIA: For the court  
13 reporter.

14 MS. KEYS: Sir, she needs to  
15 hear your information.

16 MR. BORNEMAN: Yeah. We'd  
17 appreciate if you'd come up to the microphone  
10: 32: 14 18 and state your name, address.

10: 32: 14 19 MR. TAMILIA: Everyone's  
10: 32: 14 20 comments will become part of the record. So  
10: 32: 14 21 please --

10: 32: 14 22 MR. HARRIS: Yes. My name is  
10: 32: 18 23 Larry Harris from Penn Township. Can you just  
10: 32: 20 24 try to explain a little better of how the  
10: 32: 24 25 residential indicator is going to -- how it

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10: 32: 27 2 relates to the ratepayers and the various  
10: 32: 31 3 monies?

10: 32: 34 4 MR. BORNEMAN: Sure. Again,  
10: 32: 35 5 in terms of rates, we're talking, as I said  
10: 32: 37 6 earlier, the terms of this report in general in  
10: 32: 44 7 our region, the median household income is  
10: 32: 46 8 about \$45,000. If you take that figure, the  
10: 32: 50 9 EPA sets the bar at 2 percent. So in terms of  
10: 32: 52 10 the annual cost, if you take 2 percent of  
10: 32: 55 11 \$45,000, it's roughly \$900. So that would be  
10: 32: 59 12 in terms of \$900 is what the ratepayer under  
10: 33: 03 13 that guidelines would be the limits of a burden  
10: 33: 09 14 of cost. That's how much your sewage bill,  
10: 33: 12 15 including both the ALCOSAN portion and  
10: 33: 15 16 municipal portion, it would be \$900 a year  
10: 33: 17 17 under the 2 percent guidelines of a \$2 billion  
10: 33: 21 18 dollar program.

10: 33: 22 19 MR. HARRIS: That would be  
10: 33: 23 20 spread across the entire municipality, sewage  
10: 33: 26 21 authority, or are you not talking \$900 per  
10: 33: 31 22 individual household or living dwelling unit or  
10: 33: 34 23 are you?

10: 33: 36 24 MR. BORNEMAN: Well, I'm  
10: 33: 37 25 talking about per household. However, we have

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10: 33: 39 2 averaged that. It varies greatly. As you know  
10: 33: 42 3 today, ALCOSAN's bill annually is about \$270 a  
10: 33: 47 4 year. Municipalities vary anywhere where their  
10: 33: 49 5 rates today, including ALCOSAN's portion might  
10: 33: 51 6 be as low as \$300 and could be as high as \$600  
10: 33: 55 7 a year. We haven't averaged it out in terms of  
10: 33: 58 8 our service area.

10: 33: 59 9 So when I'm saying 2 percent, it  
10: 34: 02 10 will vary greatly. It affects everybody  
10: 34: 07 11 differently. As I said, some people in the \$2  
10: 34: 10 12 billion dollar plan will have 3 percent. Well,  
10: 34: 12 13 3 percent, again, when we did those, we took  
10: 34: 14 14 your local communities median household income.  
10: 34: 18 15 It's over \$200,000 in Fox Chapel and as low as  
10: 34: 21 16 under \$20,000 in Rankin. So we tried to factor  
10: 34: 24 17 that in on the maps by the municipality.

10: 34: 26 18 So it's really a simple  
10: 34: 27 19 understanding of what your median household  
10: 34: 31 20 income is, and when we say 2 percent, we take 2  
10: 34: 34 21 percent of that number, and that's how much per  
10: 34: 36 22 year the wastewater costs. The limit is we're  
10: 34: 40 23 saying is what's a reasonable amount to pay for  
10: 34: 41 24 sewage. It's very complex because we have 83  
10: 34: 45 25 different communities and varying levels of

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10: 34: 47 2 what the sewer rates are. So I'm not sure I  
10: 34: 49 3 helped you or not. But that's how you do it.  
10: 34: 52 4 You take your median household income. You  
10: 34: 55 5 take 2 percent.

10: 34: 55 6 Today it's about 1 percent, so on  
10: 34: 58 7 average. And that's what we set our cost of  
10: 35: 01 8 level. I said our \$2 billion dollar program  
10: 35: 03 9 would double the rates.

10: 35: 06 10 MR. HARRIS: So you're  
10: 35: 07 11 talking -- your presentation of \$45,000 average  
10: 35: 10 12 medium income. But now are you saying that  
10: 35: 13 13 really it's not the average across the entire  
10: 35: 16 14 83 municipalities, but it is the average income  
10: 35: 21 15 for that particular municipality? What are you  
10: 35: 23 16 talking about here?

10: 35: 25 17 MR. TAMILIA: Well, for our  
10: 35: 27 18 purposes --

10: 35: 28 19 MR. HARRIS: I want to know  
10: 35: 29 20 for our purposes. As a ratepayer and our  
10: 35: 30 21 municipality, are we being charged at a 2  
10: 35: 34 22 percent, or whatever the percentage might be,  
10: 35: 36 23 of our average income or is it across the  
10: 35: 40 24 entire ALCOSAN service area?

10: 35: 42 25 MR. TAMILIA: You're being

1                   DAVID BORNEMAN - LARRY HARRIS

10: 35: 45   2           charged by water use. So you're being charged  
10: 35: 49   3           per gallon. That includes your local and your  
10: 35: 52   4           ALCOSAN cost. For the purposes of discussing  
10: 35: 55   5           this issue with EPA extending the schedule,  
10: 35: 59   6           changing what needs to be done, we have to look  
10: 36: 02   7           at our entire service area, the middle income  
10: 36: 06   8           across the entire service area, entire range of  
10: 36: 11   9           incomes.

10: 36: 15   10                   MR. BORNEMAN: Here's a --  
10: 36: 17   11           look at this map. When we first said \$45,000,  
10: 36: 19   12           that's averaging everything. When I said \$500  
10: 36: 21   13           million dollars of improvements, it's across  
10: 36: 24   14           everybody. It varies by municipality. This  
10: 36: 27   15           chart here, we did try to do two things. When  
10: 36: 29   16           we say, look, the ALCOSAN rates are going to  
10: 36: 31   17           double, so if I said, it's \$270, that's taking  
10: 36: 34   18           it to \$540. But the local charge could vary  
10: 36: 38   19           greatly by municipality.

10: 36: 39   20                   So what we tried to do here is we  
10: 36: 41   21           tried to understand not just what our cost to  
10: 36: 44   22           you is today but also what you add to it. This  
10: 36: 46   23           map here (indicating) is showing certain  
10: 36: 49   24           communities in red and some in green because we  
10: 36: 51   25           tried to better distribute the cost knowing

1                   DAVID BORNEMAN - LARRY HARRIS

10: 36: 54   2           what -- how the municipal charge is today. All  
10: 36: 58   3           this \$500 million, we didn't spread that cost  
10: 37: 02   4           everywhere. That's when we think the  
10: 37: 04   5           municipalities do their plans. They will  
10: 37: 07   6           clarify. They will look locally what is the  
10: 37: 09   7           actual burden, not just the ALCOSAN  
10: 37: 11   8           improvement, but if they have some local  
10: 37: 12   9           improvements, too.

10: 37: 13   10                        So it's still going to vary. That's  
10: 37: 15   11           the only information we have to work with right  
10: 37: 18   12           now. We hope in the next nine months this will  
10: 37: 21   13           change, the picture will change. I'm not  
10: 37: 22   14           saying for the better or for the worse because  
10: 37: 23   15           the municipalities are going to start making  
10: 37: 26   16           their arguments. Like when I said \$500 million  
10: 37: 28   17           dollars, I don't know how much of that is in  
10: 37: 29   18           the City of Pittsburgh. I have no idea. But,  
10: 37: 32   19           you know, I don't know the level of  
10: 37: 33   20           improvements. That's going to affect each  
10: 37: 35   21           municipality differently. They may not see the  
10: 37: 37   22           same impacts. I just saw an article in the  
10: 37: 40   23           Trib. Penn Hills was saying that all the  
10: 37: 42   24           things that happened recently, they may not  
10: 37: 43   25           have to do as much going forward because they

1 DAVID BORNEMAN - MONI WESNER

10: 37: 45 2 did so much in the last 15, 20 years. It's  
10: 37: 48 3 going to vary. Sorry I don't have better  
10: 37: 51 4 information for you right now.

10: 37: 53 5 MR. TAMILIA: We have some  
10: 37: 55 6 speakers now that registered.

10: 37: 56 7 MS. BREAN: We're going to  
10: 37: 58 8 have a five-minute break.

10: 38: 00 9 MR. BORNEMAN: If you can come  
10: 38: 04 10 to the podium and -- we're going to take  
10: 38: 09 11 questions now. This is questions to the  
10: 38: 10 12 presentation and then a break.

10: 38: 10 13 MS. BREAN: Then we'll take a  
10: 38: 12 14 five-minute break for the stenographer.

15 MS. WESNER: I'm Moni Wesner.  
16 I live in Churchill. I am just a simple  
17 resident.

18 THE COURT REPORTER: Can you  
19 spell your name, ma'am?

20 MS. WESNER: M-O-N-I,  
10: 38: 29 21 w-E-S-N-E-R. One question occurred to me.  
10: 38: 32 22 Whenever there's the word rate increase, people  
10: 38: 36 23 go nearly bonkers. If you look at the money  
10: 38: 40 24 saved overall by avoiding flood after flood  
10: 38: 46 25 after flood, the damage done to private

1 DAVID BORNEMAN - MONI WESNER

10: 38: 50 2 residences, roads -- I remember one time a  
10: 38: 54 3 downpour three or four years ago when the creek  
10: 38: 58 4 overflowed, and the road just lifted up. It  
10: 39: 02 5 was amazing, the damage being done by  
10: 39: 06 6 stormwater coming up in all kind of  
10: 39: 09 7 communities. And I really would like to see  
10: 39: 13 8 what is the overall damage within the year,  
10: 39: 15 9 within a decade over this area?

10: 39: 21 10 MR. BORNEMAN: I understand  
10: 39: 22 11 your question. But as I said earlier, our  
10: 39: 24 12 program is not a flood-controlled program.  
10: 39: 28 13 Those types of programs do look at property  
10: 39: 30 14 damages and the level of improvements, and that  
10: 39: 34 15 is not under the requirements of what we were  
10: 39: 37 16 charged to do. It's complying with these  
10: 39: 40 17 untreated overflows and rivers and streams. So  
10: 39: 43 18 I'm sorry. We don't have that kind of  
10: 39: 44 19 information.

10: 39: 46 20 MS. WESNER: It belongs in the  
10: 39: 48 21 whole picture because here is the money spent  
10: 39: 50 22 on --

10: 39: 51 23 MR. BORNEMAN: There are --  
10: 39: 52 24 again, one of the things we talked about,  
10: 39: 53 25 integrated planning going forward, the EPA has

1 DAVID BORNEMAN - MONI WESNER

10: 39: 56 2 separate stormwater regulations. Those are a  
10: 40: 00 3 separate set of regulations than the ones we're  
10: 40: 03 4 talking about related to the treatment  
10: 40: 04 5 wastewater. Those regulations may have the  
10: 40: 07 6 types of programs that you're looking for  
10: 40: 10 7 someone to do, but that's not our charge under  
10: 40: 13 8 this plan. I'm sorry.

10: 40: 15 9 MS. WESNER: Hopefully down  
10: 40: 15 10 the road.

10: 40: 16 11 MR. BORNEMAN: There are  
10: 40: 17 12 evolving stormwater regulations coming forward.  
10: 40: 20 13 That's one of the things. If there is  
10: 40: 22 14 something going on in a certain part of our  
10: 40: 24 15 service area where stormwater is being  
10: 40: 27 16 addressed that affects what we're doing, we  
10: 40: 29 17 have to work together. But right now, it's not  
10: 40: 31 18 foreseen. We're on our own trying to deal with  
10: 40: 35 19 the overflow problems.

10: 40: 38 20 MS. WESNER: Thank you.

10: 40: 39 21 MR. BORNEMAN: You're welcome.  
10: 40: 40 22 Any other questions relative to the  
10: 40: 42 23 presentation? I encourage you to look at the  
10: 40: 44 24 booklet. We're going to take a break.

10: 40: 48 25 MS. BREAN: A five-minute

1

## LUGENE KEYS

10: 40: 50 2

break and come back for testimony.

10: 40: 52 3

MR. BORNEMAN: We'll come

10: 40: 53 4

back, and everybody will be given permission to

10: 40: 57 5

provide testimony for three minutes. See you

10: 41: 01 6

in five.

10: 47: 29 7

(Short recess taken.)

10: 47: 29 8

MS. KEYS: Excuse me. We're

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going to go ahead and start the formal comment

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period now. I just want to take a couple of

10: 47: 34 11

minutes. I indicated earlier that you had your

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comment guidelines in your packet. I'm not

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going to go through all of this, just some key

10: 47: 42 14

points. One is that everybody is going to have

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three minutes. We will have a timer. Karen

10: 47: 47 16

Brean will be sitting here and will kind of

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give you an idea when you've got one minute

10: 47: 50 18

left. Your time is going to begin once you

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state your name, your street address, where you

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live, and also include your municipality, same

10: 47: 59 21

information you put on the form. And you need

10: 48: 00 22

to state that clearly so that the court

10: 48: 03 23

reporter can get that information accurately.

10: 48: 04 24

And once you state that information, your time

10: 48: 05 25

will begin. You'll get a warning card that

1 LUGENE KEYS - ARTHUR TAMILIA

10: 48: 08 2 says you've got a minute left, and then you  
10: 48: 10 3 also have a card that says your time is up.

10: 48: 13 4 We would appreciate if everyone  
10: 48: 14 5 would please turn off your cell phones, and we  
10: 48: 18 6 just ask for the courtesy of the speaker if  
10: 48: 20 7 there is no interruptions, we really appreciate  
10: 48: 22 8 that. I think that's all in terms of the key  
10: 48: 30 9 information. Again, you have three minutes to  
10: 48: 33 10 speak. And we'll begin with the first  
10: 48: 36 11 individual, and have Art to call the first  
10: 48: 38 12 speaker up.

10: 48: 44 13 MR. TAMILIA: Thank you.  
10: 48: 44 14 Before we get started, I would like to point  
10: 48: 47 15 out that our executive director is in the  
10: 48: 49 16 house, Arletta Williams. She's standing in the  
10: 48: 52 17 back of the room. Say hi.

10: 48: 52 18 MS. WILLIAMS: Hi.

10: 48: 54 19 MR. TAMILIA: Hello. The  
10: 48: 55 20 first speaker I have on my list here is Joseph  
10: 48: 55 21 Asturi.

10: 49: 07 22 MR. ASTURI: Thank you. My  
10: 49: 08 23 name is Joseph. Last name, A-S-T-U-R-I. I'm  
10: 49: 11 24 with the County Controller's Office. Thank you  
10: 49: 14 25 for letting me speak today. Good morning to

1

## JOSEPH ASTURI

10: 49: 17

2

everyone. I'm Joe Asturi, director of

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3

government relations to the Allegheny County

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4

Controller's Office, Joseph Wagner. I just

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5

wanted to say a few brief points.

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6

Controller Wagner has always been an

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7

advocate for green infrastructure. Green

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infrastructure has proved to save money in the

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9

Consent Decree and hopefully improve our

10: 49: 34

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communities. ALCOSAN's desire to renegotiate

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11

their plan and promote cost savings overall

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12

creates a pretty good opportunity to

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incorporate improvements in the plan.

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14

I know as the gentleman spoke, they

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can't enforce with municipalities today, but

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16

hopefully the municipalities working with

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ALCOSAN, vice versa, and other authorities to

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consent by the way of improvements or gain

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commission, I think it would be very

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beneficial. Reinvestments would boost the

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entire industry and create new jobs for our

10: 50: 03

22

residents in the future, and other regions, and

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23

other regions of the country have as was stated

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today renegotiated plans, and a green

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infrastructure was included. So I just wanted

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ARTHUR TAMILIA

10: 50: 12

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to put that on the record, and I thank you very

10: 50: 14

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much for offering me to speak on such an

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important issue.

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MR. TAMILIA: Thank you very

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much. I would like to just make a couple of

10: 50: 25

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comments towards that. As we have said

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numerous times, we welcome the opportunity for

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the use of green infrastructure in our

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neighborhoods. That is a source control

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option, and that is really where that effort

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has to begin. Places like Philadelphia, places

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like Lancaster will serve as models for our

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communities to see what can be done in terms of

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long pipe controls, less expensive controls.

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So this is a good opportunity

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between now and the time that our communities

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have to provide their plans which is July of

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2012 -- 2013, to look into these opportunities,

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and we will certainly be their advocate at the

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21

table. Next I have Jennifer England, Clean

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Rivers Campaign.

10: 51: 28

23

MS. ENGLAND: My name is

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24

Jennifer England. I live at 743 Laurel Street,

10: 51: 38

25

Pittsburgh, PA 15217. I am a member of the

## JENNIFER ENGLAND

1  
2 Clean Rivers Campaign. I have a prepared  
3 statement which I have now completely scribbled  
4 over and rewritten as you have been talking.  
5 So forgive me.

6 I keep hearing you talk about how,  
7 you know, green infrastructure is great, but it  
8 really -- it can't be done or you can't lead  
9 it. And I think that's what's really missing  
10 here is leadership. We need ALCOSAN to take  
11 leadership on the issue of green  
12 infrastructure. We have a historic, literally,  
13 once-in-our-lifetime opportunity here to make  
14 an investment into our future.

15 The plan you have offered is an old,  
16 gray industrial underground approach, and it  
17 literally buries billions of dollars under our  
18 rivers. We can take that investment, and we  
19 can invest it in our communities and things  
20 that make a visible, tangible impact to our  
21 neighborhoods. One of the questions was about  
22 flood control. Managing stormwater where it  
23 falls not only helps the overflow problem, but  
24 it helps flood control. It can provide  
25 benefits in neighborhood like by creating like

## JENNIFER ENGLAND

1  
2 parks and rain gardens. This increases  
3 property values. It sparks community  
4 revitalization. Green infrastructure reduces  
5 energies and improves air quality, potentially  
6 creates more jobs, short and long-term jobs.  
7 It opens up project financing options that  
8 aren't available for green infrastructure. And  
9 I have heard a lot of talk about cost, and I  
10 think that's what we need in order to  
11 understand that the ultimate funding  
12 opportunities of green infrastructure or green  
13 method of stormwater capture is a bigger part  
14 of this plan.

15 We understand that Pittsburgh areas  
16 are unique. We know that there are some  
17 slopes, clay soil, multiple jurisdictions, and  
18 so on. But every region has its barriers, and  
19 progressive districts have treated these  
20 barriers as opportunities and challenges to be  
21 overcome. We need to see that here. We need  
22 to see ALCOSAN leading the way, pursuing green  
23 infrastructure and source reduction, new  
24 partnerships, trying out new funding, financing  
25 initiatives, figuring out ways that can be done

JENNIFER ENGLAND

1 instead of talking about why it can't be done.

2  
3 As you talked about, many districts  
4 have determined that green infrastructure is  
5 the way to go and have implemented plans, and I  
6 think in some ways we love what they're doing,  
7 and it may, in fact, save repair money. But  
8 whether green costs the same amount as gray or  
9 it costs less, and if we're going to spend  
10 billions of dollars to solve a water quality  
11 problem and a public health problem, why not do  
12 so in ways that are rich in community and  
13 environmental benefits? Why not approach this  
14 project as an opportunity and investment in our  
15 region instead of the cost that's going to  
16 burden taxpayers.

17 I think there's a better way to do  
18 this. I would really -- sorry -- I would  
19 really like to see ALCOSAN take some initiative  
20 and take leadership on this and look at ways  
21 this can be done instead of continuing telling  
22 us why it can't be done.

23 MR. TAMILIA: Thank you.

24 That's all I have on the speakers list. If  
25 anyone else would like to come up and offer

1

10: 55: 04 2 comments for the record, please do. I thank  
10: 55: 10 3 you for your participation. We will be here  
10: 55: 14 4 for conversation if you'd like, David Borneman,  
10: 55: 16 5 our director of engineering, Tim Prevost, our  
10: 55: 21 6 manager of Wet Weather Programs, Arletta Scott  
10: 55: 23 7 Williams, our executive director, and I will be  
10: 55: 28 8 here. Thank you.

10: 55: 30 9 MR. BORNEMAN: I just want to  
10: 55: 31 10 add that, again, the schedule of the remaining  
10: 55: 34 11 public meetings are in your folder. Please try  
10: 55: 37 12 to tell someone. It is a very important issue,  
10: 55: 40 13 and we're welcoming everyone's input. Thank  
10: 55: 44 14 you.

15 (At this juncture, the hearing  
16 was concluded at 10:55 a.m., this date.)

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C E R T I F I C A T E

I hereby certify that the  
proceedings and evidence are contained  
fully and accurately in the  
stenographic notes taken by me on the  
hearing of the within cause and that  
this is a correct transcript of the  
same.

S/Tricia M. Clegg, RPR

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<b>\$</b>	45:20, 49:9, 49:10, 49:17, 50:9, 50:11, 50:20, 51:5, 51:8, 51:21	<b>743</b> [1] - 60:24	<b>afford</b> [4] - 32:21, 33:2, 37:19, 40:25	<b>area</b> [32] - 4:21, 6:18, 6:24, 12:3, 12:5, 12:19, 12:20, 12:21, 14:9, 19:18, 20:25, 21:14, 21:24, 26:15, 30:9, 31:3, 31:17, 31:18, 32:8, 33:20, 34:3, 34:7, 34:9, 35:15, 37:2, 37:24, 50:8, 51:24, 52:7, 52:8, 55:9, 56:15
<b>\$10</b> [1] - 38:23 <b>\$20,000</b> [1] - 50:16 <b>\$200,000</b> [1] - 50:15 <b>\$270</b> [2] - 50:3, 52:17 <b>\$300</b> [1] - 50:6 <b>\$40</b> [1] - 26:10 <b>\$45,000</b> [5] - 37:23, 49:8, 49:11, 51:11, 52:11 <b>\$50</b> [1] - 26:10 <b>\$500</b> [7] - 32:23, 34:24, 35:4, 42:21, 52:12, 53:3, 53:16 <b>\$540</b> [1] - 52:18 <b>\$600</b> [1] - 50:6 <b>\$900</b> [4] - 49:11, 49:12, 49:16, 49:21	<b>2.3</b> [1] - 42:17 <b>20</b> [3] - 16:10, 40:9, 54:2 <b>200</b> [1] - 11:22 <b>2004</b> [1] - 20:23 <b>2008</b> [1] - 12:9 <b>2010</b> [1] - 24:16 <b>2012</b> [2] - 1:10, 60:19 <b>2013</b> [2] - 2:15, 60:19 <b>2019</b> [1] - 20:25 <b>2026</b> [6] - 16:18, 17:19, 20:20, 42:25, 43:13, 43:22 <b>250</b> [3] - 9:18, 10:3, 29:15 <b>26</b> [2] - 28:7, 41:16 <b>270-page</b> [1] - 12:10 <b>295</b> [3] - 29:17, 37:3	<b>8</b>	<b>affordability</b> [2] - 37:16, 43:16 <b>affordable</b> [1] - 32:11 <b>affordably</b> [1] - 45:25 <b>age</b> [1] - 24:4 <b>agencies</b> [3] - 26:5, 26:7, 41:25 <b>Agency</b> [1] - 2:15 <b>AGENCY</b> [1] - 1:24 <b>agenda</b> [3] - 3:19, 7:3, 7:21 <b>aging</b> [1] - 14:3 <b>ago</b> [2] - 37:18, 55:3 <b>ahead</b> [1] - 57:9 <b>air</b> [2] - 12:6, 62:5 <b>ALCOSAN</b> [37] - 1:2, 1:6, 1:13, 2:20, 4:5, 4:11, 5:11, 7:7, 7:13, 7:20, 7:23, 9:23, 10:6, 10:18, 10:24, 11:3, 11:14, 13:20, 14:2, 16:11, 22:6, 22:25, 24:21, 26:12, 29:12, 35:2, 35:8, 42:20, 49:15, 51:24, 52:4, 52:16, 53:7, 59:17, 61:10, 62:22, 63:19 <b>ALCOSAN's</b> [8] - 5:16, 10:25, 22:3, 23:16, 31:7, 50:3, 50:5, 59:10 <b>Allegheny</b> [8] - 2:7, 11:9, 12:13, 30:8, 31:14, 33:21, 34:2, 59:3 <b>ALLEGHENY</b> [1] - 1:2 <b>Alliance</b> [1] - 44:3 <b>allow</b> [2] - 45:2, 45:4 <b>allowed</b> [2] - 11:10, 37:6 <b>almost</b> [1] - 26:21 <b>alternatives</b> [1] - 28:8 <b>amazing</b> [1] - 55:5 <b>amount</b> [6] - 22:17, 39:18, 43:2, 45:19, 50:23, 63:8 <b>amounts</b> [1] - 16:9 <b>ample</b> [1] - 47:13 <b>AND</b> [1] - 1:7 <b>annual</b> [3] - 4:11, 43:5, 49:10 <b>annually</b> [1] - 50:3 <b>answer</b> [3] - 2:24, 7:2, 8:12 <b>answers</b> [1] - 47:17 <b>appear</b> [1] - 46:24 <b>appreciate</b> [4] - 3:15, 48:17, 58:4, 58:7 <b>approach</b> [6] - 21:20, 39:3, 40:10, 44:10, 61:16, 63:13 <b>approaches</b> [3] - 21:25, 22:15, 38:19	<b>7</b> [1] - 60:24 <b>83</b> [6] - 10:21, 13:5, 13:14, 27:22, 50:24, 51:14 <b>85</b> [1] - 11:24 <b>88</b> [1] - 30:22
<b>'</b>		<b>9</b>		
<b>'70s</b> [1] - 35:22 <b>'90s</b> [2] - 35:23, 37:21	<b>3</b>	<b>A</b>		<b>areas</b> [18] - 10:14, 10:15, 12:4, 13:15, 13:25, 15:16, 17:6, 19:2, 19:17, 19:19, 20:16, 22:9, 32:2, 34:6, 34:13, 35:7, 62:15 <b>argument</b> [3] - 32:21, 42:23, 43:17 <b>arguments</b> [1] - 53:16 <b>Arletta</b> [2] - 58:16, 64:6 <b>arrangement</b> [3] - 16:25, 18:15, 24:21 <b>arrangements</b> [1] - 26:3 <b>arrive</b> [1] - 29:2 <b>art</b> [1] - 8:24 <b>Art</b> [3] - 5:24, 46:4, 58:11 <b>Arthur</b> [2] - 1:13, 2:6 <b>article</b> [1] - 53:22 <b>aspect</b> [2] - 18:13, 37:16 <b>aspects</b> [3] - 20:19, 33:16, 46:9 <b>assess</b> [1] - 39:21 <b>assist</b> [1] - 42:4 <b>associated</b> [2] - 19:14, 47:20 <b>Asturi</b> [2] - 58:21, 59:2 <b>ASTURI</b> [1] - 58:22 <b>attend</b> [1] - 4:13 <b>authorities</b> [1] - 59:17 <b>Authority</b> [1] - 2:7 <b>authority</b> [2] - 24:21, 49:21 <b>AUTHORITY</b> [1] - 1:2 <b>AUTHORIZATION</b> [1] - 1:24 <b>available</b> [4] - 2:23, 36:15, 46:6, 62:8 <b>Avenue</b> [2] - 34:4 <b>average</b> [8] - 38:12, 43:12, 43:13, 51:7, 51:11, 51:13, 51:14, 51:23 <b>averaged</b> [2] - 50:2, 50:7 <b>averaging</b> [1] - 52:12 <b>avoidable</b> [1] - 43:7 <b>avoiding</b> [1] - 54:24
<b>1</b>	<b>3</b> [7] - 41:10, 41:12, 41:17, 42:12, 42:14, 50:12, 50:13 <b>3.1</b> [1] - 41:20 <b>3.5</b> [1] - 39:15 <b>3.6</b> [8] - 29:4, 31:10, 31:23, 32:22, 40:20, 41:3, 41:9, 41:25 <b>30</b> [3] - 35:18, 39:7, 40:6 <b>30-minute</b> [1] - 9:12 <b>300</b> [3] - 11:7, 13:2, 15:25	<b>A-S-T-U-R-I</b> [1] - 58:23		
<b>1</b> [3] - 38:2, 38:4, 51:6 <b>1.5</b> [2] - 34:25, 42:20 <b>10</b> [5] - 26:11, 30:12, 31:5, 43:5, 44:19 <b>100</b> [3] - 13:4, 14:4, 35:11 <b>100,000</b> [1] - 44:3 <b>10:55</b> [1] - 64:16 <b>12</b> [2] - 30:5, 43:6 <b>13</b> [1] - 40:9 <b>14</b> [2] - 17:19, 30:5 <b>15</b> [4] - 4:12, 44:19, 46:13, 54:2 <b>150</b> [2] - 11:21, 30:2 <b>15145</b> [1] - 1:10 <b>15217</b> [1] - 60:25 <b>17</b> [2] - 7:11, 47:13 <b>19</b> [2] - 46:23, 47:13 <b>1900's</b> [1] - 10:10 <b>1950</b> [1] - 11:3 <b>1950's</b> [3] - 10:6, 10:18, 11:14 <b>1970's</b> [1] - 11:15 <b>1973</b> [1] - 11:19 <b>1990's</b> [2] - 12:3, 12:8 <b>19th</b> [1] - 7:13	<b>4</b> [1] - 41:22 <b>4,000</b> [1] - 9:20 <b>40</b> [1] - 39:7 <b>480</b> [3] - 33:15, 36:21, 36:25	<b>a.m</b> [2] - 1:11, 64:16 <b>able</b> [7] - 7:22, 26:16, 33:19, 33:21, 36:25, 44:5, 47:11 <b>absorbed</b> [1] - 14:25 <b>accordingly</b> [1] - 45:5 <b>accurately</b> [2] - 57:23, 65:8 <b>achieve</b> [6] - 17:3, 31:11, 32:10, 32:17, 43:19, 45:24 <b>achieved</b> [2] - 26:22, 27:19 <b>Act</b> [2] - 11:16, 15:10 <b>activity</b> [2] - 20:13, 37:12 <b>actual</b> [1] - 53:7 <b>adaptive</b> [1] - 44:24 <b>add</b> [3] - 36:2, 52:22, 64:10 <b>added</b> [2] - 12:5, 39:24 <b>additional</b> [11] - 3:16, 4:7, 23:7, 25:8, 25:9, 31:2, 31:6, 31:15, 35:6, 44:6 <b>address</b> [5] - 19:19, 24:9, 32:9, 48:18, 57:19 <b>addressed</b> [1] - 56:16 <b>addresses</b> [1] - 32:2 <b>addressing</b> [1] - 17:10 <b>adopting</b> [1] - 24:25 <b>advantage</b> [1] - 36:14 <b>advise</b> [1] - 22:20 <b>Advisory</b> [1] - 18:23 <b>advocate</b> [2] - 59:7, 60:20 <b>affect</b> [2] - 28:18, 53:20 <b>affects</b> [2] - 50:10, 56:16		
<b>2</b>	<b>5</b>			
<b>2</b> [32] - 33:5, 33:7, 33:9, 34:20, 38:4, 38:5, 38:7, 38:10, 38:15, 40:24, 41:4, 41:10, 41:11, 41:13, 42:8, 42:16, 42:19, 43:14, 43:18, 43:21,	<b>5</b> [1] - 1:10 <b>50</b> [1] - 35:18 <b>51</b> [1] - 30:22			
<b>2</b>	<b>6</b>			
<b>2</b> [32] - 33:5, 33:7, 33:9, 34:20, 38:4, 38:5, 38:7, 38:10, 38:15, 40:24, 41:4, 41:10, 41:11, 41:13, 42:8, 42:16, 42:19, 43:14, 43:18, 43:21,	<b>600</b> [4] - 29:16, 33:15, 36:19, 36:25 <b>65</b> [1] - 36:11			
<b>2</b>	<b>7</b>			
	<b>70</b> [1] - 40:6			

<p style="text-align: center;"><b>B</b></p> <p><b>bacteria</b> [7] - 19:10, 19:11, 20:6, 21:9, 21:11, 36:3, 44:16</p> <p><b>balance</b> [1] - 20:14</p> <p><b>bar</b> [4] - 38:7, 39:4, 39:8, 49:9</p> <p><b>barrels</b> [1] - 44:7</p> <p><b>barriers</b> [2] - 62:18, 62:20</p> <p><b>BARYLAK</b> [2] - 3:21, 3:24</p> <p><b>base</b> [3] - 10:4, 18:20, 21:20</p> <p><b>basin</b> [2] - 19:2, 40:11</p> <p><b>basins</b> [2] - 13:23, 15:20</p> <p><b>become</b> [2] - 8:2, 48:20</p> <p><b>bedrock</b> [1] - 30:3</p> <p><b>begin</b> [4] - 57:18, 57:25, 58:10, 60:12</p> <p><b>belongs</b> [1] - 55:20</p> <p><b>below</b> [1] - 36:4</p> <p><b>beneficial</b> [1] - 59:20</p> <p><b>benefit</b> [4] - 8:14, 17:12, 33:19, 47:24</p> <p><b>benefits</b> [6] - 17:3, 28:22, 40:18, 45:19, 61:25, 63:13</p> <p><b>best</b> [2] - 33:9, 45:10</p> <p><b>better</b> [11] - 3:23, 3:24, 12:25, 18:4, 21:2, 42:15, 48:24, 52:25, 53:14, 54:3, 63:17</p> <p><b>between</b> [7] - 17:18, 20:5, 30:25, 33:17, 41:11, 42:25, 60:17</p> <p><b>bigger</b> [1] - 62:13</p> <p><b>bill</b> [2] - 49:14, 50:3</p> <p><b>billion</b> [36] - 12:22, 27:12, 29:5, 29:6, 31:10, 31:23, 32:22, 33:6, 33:7, 33:10, 34:20, 34:25, 38:15, 38:23, 39:12, 39:15, 39:20, 40:21, 40:22, 40:23, 40:24, 41:3, 41:4, 41:9, 41:25, 42:8, 42:20, 43:14, 43:18, 43:21, 45:20, 45:22, 49:17, 50:12, 51:8</p> <p><b>billions</b> [3] - 39:11, 61:17, 63:10</p> <p><b>biological</b> [1] - 35:24</p> <p><b>bioswales</b> [2] - 26:25, 44:7</p> <p><b>bit</b> [5] - 7:4, 10:5, 32:12, 40:14, 44:18</p> <p><b>Blawnox</b> [1] - 31:18</p> <p><b>bleach</b> [1] - 36:3</p> <p><b>block</b> [1] - 38:24</p> <p><b>blocks</b> [1] - 36:8</p>	<p><b>blue</b> [3] - 31:20, 36:8, 39:8</p> <p><b>boards</b> [1] - 4:20</p> <p><b>boat</b> [1] - 32:6</p> <p><b>boating</b> [1] - 19:16</p> <p><b>bongers</b> [1] - 54:23</p> <p><b>booklet</b> [7] - 3:12, 3:17, 4:3, 4:23, 5:9, 46:7, 56:24</p> <p><b>boost</b> [1] - 59:20</p> <p><b>boring</b> [3] - 30:4, 30:12, 30:13</p> <p><b>BORNEMAN</b> [13] - 9:2, 9:7, 48:16, 49:4, 49:24, 52:10, 54:9, 55:10, 55:23, 56:11, 56:21, 57:3, 64:9</p> <p><b>Borneman</b> [4] - 1:14, 2:21, 8:24, 64:4</p> <p><b>borrowed</b> [2] - 43:2, 43:11</p> <p><b>borrowing</b> [1] - 42:5</p> <p><b>Boulevard</b> [1] - 30:7</p> <p><b>box</b> [1] - 4:4</p> <p><b>Braddock</b> [1] - 30:9</p> <p><b>break</b> [9] - 8:14, 30:25, 47:18, 47:24, 54:8, 54:12, 54:14, 56:24, 57:2</p> <p><b>BREAN</b> [4] - 6:3, 54:7, 54:13, 56:25</p> <p><b>Brean</b> [2] - 6:5, 57:16</p> <p><b>bridge</b> [1] - 36:13</p> <p><b>Bridgeville</b> [1] - 30:20</p> <p><b>brief</b> [1] - 59:5</p> <p><b>bring</b> [4] - 7:18, 22:6, 24:22, 36:17</p> <p><b>bringing</b> [1] - 31:13</p> <p><b>brochure</b> [1] - 4:16</p> <p><b>brought</b> [2] - 11:22, 40:9</p> <p><b>build</b> [1] - 36:20</p> <p><b>building</b> [9] - 26:19, 26:20, 26:21, 27:2, 27:15, 31:3, 39:5, 39:6, 39:7</p> <p><b>built</b> [8] - 10:11, 10:12, 10:15, 10:18, 11:3, 11:15, 14:12, 30:11</p> <p><b>burden</b> [7] - 37:19, 38:3, 38:6, 41:14, 49:13, 53:7, 63:16</p> <p><b>buries</b> [1] - 61:17</p> <p><b>bypass</b> [2] - 37:8, 37:11</p>	<p>16:16, 37:13</p> <p><b>capital</b> [1] - 42:6</p> <p><b>capture</b> [6] - 9:25, 10:2, 33:20, 33:22, 37:13, 62:13</p> <p><b>captured</b> [3] - 25:5, 25:19, 28:19</p> <p><b>card</b> [4] - 6:9, 6:10, 57:25, 58:3</p> <p><b>care</b> [1] - 23:8</p> <p><b>careful</b> [1] - 16:21</p> <p><b>Carnegie</b> [1] - 5:15</p> <p><b>case</b> [1] - 26:24</p> <p><b>catch</b> [1] - 25:13</p> <p><b>cell</b> [1] - 58:5</p> <p><b>certain</b> [8] - 12:4, 13:15, 19:17, 20:10, 20:16, 33:16, 52:23, 56:14</p> <p><b>certainly</b> [7] - 17:12, 18:12, 20:12, 24:6, 27:15, 44:10, 60:20</p> <p><b>certifications</b> [1] - 26:22</p> <p><b>certify</b> [1] - 65:5</p> <p><b>CERTIFYING</b> [1] - 1:24</p> <p><b>challenges</b> [1] - 62:20</p> <p><b>change</b> [7] - 25:8, 25:20, 43:7, 45:4, 53:13</p> <p><b>changed</b> [3] - 11:13, 43:24, 44:23</p> <p><b>changes</b> [3] - 25:22, 44:9, 44:14</p> <p><b>changing</b> [2] - 12:17, 52:6</p> <p><b>channel</b> [3] - 32:3, 34:9, 34:10</p> <p><b>Chapel</b> [1] - 50:15</p> <p><b>charge</b> [4] - 22:4, 52:18, 53:2, 56:7</p> <p><b>charged</b> [4] - 51:21, 52:2, 55:16</p> <p><b>chart</b> [1] - 52:15</p> <p><b>Chartiers</b> [6] - 11:9, 16:20, 20:22, 30:18, 34:13, 34:15</p> <p><b>chloride</b> [1] - 36:2</p> <p><b>Churchill</b> [1] - 54:16</p> <p><b>cities</b> [2] - 26:2, 43:20</p> <p><b>City</b> [4] - 41:19, 41:20, 42:16, 53:18</p> <p><b>clarification</b> [1] - 8:8</p> <p><b>clarify</b> [2] - 17:8, 53:6</p> <p><b>clarity</b> [1] - 39:14</p> <p><b>clay</b> [1] - 62:17</p> <p><b>clean</b> [1] - 20:24</p> <p><b>Clean</b> [4] - 11:16, 15:10, 60:21, 61:2</p> <p><b>clearly</b> [2] - 32:12, 57:22</p> <p><b>Clegg</b> [2] - 1:20, 65:16</p> <p><b>code</b> [1] - 14:8</p> <p><b>collect</b> [1] - 10:13</p>	<p><b>color</b> [2] - 31:5, 31:19</p> <p><b>combinations</b> [1] - 28:5</p> <p><b>combined</b> [3] - 16:12, 29:24, 30:21</p> <p><b>comfortable</b> [1] - 6:20</p> <p><b>coming</b> [5] - 2:5, 21:23, 33:25, 55:6, 56:12</p> <p><b>comment</b> [19] - 4:2, 4:4, 4:18, 4:25, 6:7, 6:17, 6:24, 7:8, 7:16, 7:25, 8:16, 8:17, 46:22, 46:24, 47:14, 48:3, 57:9, 57:12</p> <p><b>COMMENTS</b> [1] - 1:7</p> <p><b>comments</b> [15] - 2:16, 2:17, 5:4, 5:11, 6:8, 6:13, 6:20, 6:23, 7:18, 7:23, 7:25, 46:3, 48:20, 60:7, 64:2</p> <p><b>commission</b> [1] - 59:19</p> <p><b>commitment</b> [1] - 45:3</p> <p><b>Committee</b> [1] - 18:24</p> <p><b>common</b> [3] - 4:21, 6:18, 13:18</p> <p><b>communication</b> [1] - 45:8</p> <p><b>communities</b> [32] - 9:22, 10:9, 10:20, 10:22, 13:5, 14:15, 14:16, 15:12, 15:17, 16:7, 17:13, 21:25, 22:16, 23:4, 27:24, 41:18, 41:19, 41:21, 41:23, 42:13, 42:15, 45:13, 50:14, 50:25, 52:24, 55:7, 59:10, 60:14, 60:17, 61:19</p> <p><b>community</b> [6] - 13:16, 13:17, 37:24, 37:25, 62:3, 63:12</p> <p><b>companion</b> [1] - 46:7</p> <p><b>complete</b> [1] - 3:13</p> <p><b>completed</b> [1] - 26:21</p> <p><b>completely</b> [2] - 7:15, 61:3</p> <p><b>complex</b> [3] - 16:25, 17:4, 50:24</p> <p><b>complexity</b> [1] - 14:17</p> <p><b>compliance</b> [10] - 12:2, 22:8, 25:10, 31:13, 32:17, 32:19, 33:23, 39:10, 41:4, 45:16</p> <p><b>complimented</b> [1] - 35:3</p> <p><b>comply</b> [2] - 12:16, 25:13</p> <p><b>complying</b> [1] - 55:16</p> <p><b>concern</b> [3] - 19:9, 21:11, 32:7</p> <p><b>concerning</b> [1] - 38:11</p> <p><b>concerns</b> [2] - 19:6,</p>	<p>20:4</p> <p><b>concluded</b> [2] - 43:3, 64:16</p> <p><b>condition</b> [4] - 15:6, 16:12, 18:5, 23:11</p> <p><b>conditional</b> [2] - 20:9, 23:19</p> <p><b>conditions</b> [5] - 11:6, 13:7, 21:8, 29:17, 37:11</p> <p><b>consent</b> [1] - 59:18</p> <p><b>Consent</b> [11] - 12:9, 13:9, 15:8, 17:16, 17:22, 18:23, 20:23, 22:4, 25:11, 43:25, 59:9</p> <p><b>consider</b> [3] - 20:18, 24:18, 41:8</p> <p><b>consideration</b> [1] - 42:3</p> <p><b>considerations</b> [1] - 33:3</p> <p><b>considered</b> [4] - 29:3, 38:2, 38:6, 41:14</p> <p><b>considering</b> [1] - 44:15</p> <p><b>construction</b> [2] - 26:20, 33:24</p> <p><b>Construction</b> [1] - 2:22</p> <p><b>contained</b> [1] - 65:6</p> <p><b>continue</b> [2] - 23:12, 46:22</p> <p><b>continues</b> [1] - 35:20</p> <p><b>continuing</b> [1] - 63:21</p> <p><b>contribute</b> [2] - 15:5, 15:21</p> <p><b>contributing</b> [1] - 16:14</p> <p><b>control</b> [22] - 12:6, 17:9, 17:14, 17:15, 18:11, 23:13, 24:2, 24:5, 24:23, 25:4, 25:6, 25:15, 27:4, 27:18, 28:7, 31:12, 31:25, 32:9, 40:5, 60:10, 61:22, 61:24</p> <p><b>controlled</b> [2] - 17:10, 55:12</p> <p><b>controller</b> [1] - 59:6</p> <p><b>Controller's</b> [2] - 58:24, 59:4</p> <p><b>controls</b> [5] - 22:14, 25:9, 29:24, 60:15</p> <p><b>conversation</b> [1] - 64:4</p> <p><b>convey</b> [3] - 13:18, 23:18, 31:22</p> <p><b>conveyance</b> [4] - 23:20, 29:7, 31:2, 36:22</p> <p><b>conveyed</b> [1] - 8:9</p> <p><b>conveying</b> [2] - 10:23, 28:12</p> <p><b>cooperation</b> [1] - 17:23</p>
<b>C</b>		<p><b>Campaign</b> [2] - 60:22, 61:2</p> <p><b>cannot</b> [4] - 16:24, 32:13, 32:21, 41:24</p> <p><b>cap</b> [1] - 38:15</p> <p><b>capacity</b> [3] - 15:4,</p>	<p><b>color</b> [2] - 31:5, 31:19</p> <p><b>combinations</b> [1] - 28:5</p> <p><b>combined</b> [3] - 16:12, 29:24, 30:21</p> <p><b>comfortable</b> [1] - 6:20</p> <p><b>coming</b> [5] - 2:5, 21:23, 33:25, 55:6, 56:12</p> <p><b>comment</b> [19] - 4:2, 4:4, 4:18, 4:25, 6:7, 6:17, 6:24, 7:8, 7:16, 7:25, 8:16, 8:17, 46:22, 46:24, 47:14, 48:3, 57:9, 57:12</p> <p><b>COMMENTS</b> [1] - 1:7</p> <p><b>comments</b> [15] - 2:16, 2:17, 5:4, 5:11, 6:8, 6:13, 6:20, 6:23, 7:18, 7:23, 7:25, 46:3, 48:20, 60:7, 64:2</p> <p><b>commission</b> [1] - 59:19</p> <p><b>commitment</b> [1] - 45:3</p> <p><b>Committee</b> [1] - 18:24</p> <p><b>common</b> [3] - 4:21, 6:18, 13:18</p> <p><b>communication</b> [1] - 45:8</p> <p><b>communities</b> [32] - 9:22, 10:9, 10:20, 10:22, 13:5, 14:15, 14:16, 15:12, 15:17, 16:7, 17:13, 21:25, 22:16, 23:4, 27:24, 41:18, 41:19, 41:21, 41:23, 42:13, 42:15, 45:13, 50:14, 50:25, 52:24, 55:7, 59:10, 60:14, 60:17, 61:19</p> <p><b>community</b> [6] - 13:16, 13:17, 37:24, 37:25, 62:3, 63:12</p> <p><b>companion</b> [1] - 46:7</p> <p><b>complete</b> [1] - 3:13</p> <p><b>completed</b> [1] - 26:21</p> <p><b>completely</b> [2] - 7:15, 61:3</p> <p><b>complex</b> [3] - 16:25, 17:4, 50:24</p> <p><b>complexity</b> [1] - 14:17</p> <p><b>compliance</b> [10] - 12:2, 22:8, 25:10, 31:13, 32:17, 32:19, 33:23, 39:10, 41:4, 45:16</p> <p><b>complimented</b> [1] - 35:3</p> <p><b>comply</b> [2] - 12:16, 25:13</p> <p><b>complying</b> [1] - 55:16</p> <p><b>concern</b> [3] - 19:9, 21:11, 32:7</p> <p><b>concerning</b> [1] - 38:11</p> <p><b>concerns</b> [2] - 19:6,</p>	<p>20:4</p> <p><b>concluded</b> [2] - 43:3, 64:16</p> <p><b>condition</b> [4] - 15:6, 16:12, 18:5, 23:11</p> <p><b>conditional</b> [2] - 20:9, 23:19</p> <p><b>conditions</b> [5] - 11:6, 13:7, 21:8, 29:17, 37:11</p> <p><b>consent</b> [1] - 59:18</p> <p><b>Consent</b> [11] - 12:9, 13:9, 15:8, 17:16, 17:22, 18:23, 20:23, 22:4, 25:11, 43:25, 59:9</p> <p><b>consider</b> [3] - 20:18, 24:18, 41:8</p> <p><b>consideration</b> [1] - 42:3</p> <p><b>considerations</b> [1] - 33:3</p> <p><b>considered</b> [4] - 29:3, 38:2, 38:6, 41:14</p> <p><b>considering</b> [1] - 44:15</p> <p><b>construction</b> [2] - 26:20, 33:24</p> <p><b>Construction</b> [1] - 2:22</p> <p><b>contained</b> [1] - 65:6</p> <p><b>continue</b> [2] - 23:12, 46:22</p> <p><b>continues</b> [1] - 35:20</p> <p><b>continuing</b> [1] - 63:21</p> <p><b>contribute</b> [2] - 15:5, 15:21</p> <p><b>contributing</b> [1] - 16:14</p> <p><b>control</b> [22] - 12:6, 17:9, 17:14, 17:15, 18:11, 23:13, 24:2, 24:5, 24:23, 25:4, 25:6, 25:15, 27:4, 27:18, 28:7, 31:12, 31:25, 32:9, 40:5, 60:10, 61:22, 61:24</p> <p><b>controlled</b> [2] - 17:10, 55:12</p> <p><b>controller</b> [1] - 59:6</p> <p><b>Controller's</b> [2] - 58:24, 59:4</p> <p><b>controls</b> [5] - 22:14, 25:9, 29:24, 60:15</p> <p><b>conversation</b> [1] - 64:4</p> <p><b>convey</b> [3] - 13:18, 23:18, 31:22</p> <p><b>conveyance</b> [4] - 23:20, 29:7, 31:2, 36:22</p> <p><b>conveyed</b> [1] - 8:9</p> <p><b>conveying</b> [2] - 10:23, 28:12</p> <p><b>cooperation</b> [1] - 17:23</p>

<p><b>coordination</b> [1] - 16:24  <b>copy</b> [1] - 5:20  <b>correct</b> [1] - 65:12  <b>cost</b> [17] - 18:13, 29:2, 32:14, 40:17, 40:18, 43:9, 43:12, 49:10, 49:14, 51:7, 52:4, 52:21, 52:25, 53:3, 59:11, 62:9, 63:15  <b>cost-effective</b> [2] - 29:2, 40:17  <b>costs</b> [4] - 32:23, 50:22, 63:8, 63:9  <b>Council</b> [1] - 26:6  <b>country</b> [3] - 11:17, 43:23, 59:23  <b>COUNTY</b> [1] - 1:2  <b>County</b> [4] - 2:7, 12:13, 58:24, 59:3  <b>county</b> [1] - 18:3  <b>couple</b> [4] - 3:12, 20:18, 57:10, 60:6  <b>court</b> [5] - 6:14, 8:14, 47:24, 48:12, 57:22  <b>COURT</b> [3] - 48:7, 48:10, 54:18  <b>courtesy</b> [1] - 58:6  <b>cover</b> [2] - 3:10, 34:13  <b>create</b> [1] - 59:21  <b>created</b> [3] - 18:25, 19:3, 46:18  <b>creates</b> [2] - 59:12, 62:6  <b>creating</b> [1] - 61:25  <b>creek</b> [1] - 55:3  <b>Creek</b> [10] - 1:10, 11:8, 11:9, 16:19, 16:20, 20:22, 30:18, 34:13, 34:15, 41:19  <b>crowd</b> [1] - 6:21  <b>CSOs</b> [1] - 22:10  <b>culminated</b> [1] - 12:14  <b>culmination</b> [1] - 45:6  <b>current</b> [1] - 19:8  <b>curve</b> [3] - 28:24, 39:25, 40:3  <b>customer</b> [3] - 9:19, 18:15, 27:2  <b>customers</b> [1] - 38:9  <b>cut</b> [1] - 30:15  <b>cylinders</b> [1] - 31:9</p>	<p>25:17  <b>deal</b> [1] - 56:18  <b>debris</b> [1] - 35:14  <b>debt</b> [3] - 38:12, 38:13, 42:3  <b>decade</b> [1] - 55:9  <b>decided</b> [1] - 36:22  <b>Decree</b> [11] - 12:9, 13:10, 15:8, 17:17, 17:22, 18:23, 20:23, 22:4, 25:11, 43:25, 59:9  <b>dedicated</b> [1] - 7:15  <b>deep</b> [2] - 30:2, 31:4  <b>definitely</b> [1] - 6:22  <b>demonstrating</b> [1] - 7:24  <b>DEP</b> [1] - 28:9  <b>Department</b> [3] - 12:11, 12:12, 12:14  <b>departmental</b> [1] - 26:25  <b>Deputy</b> [1] - 1:13  <b>describe</b> [1] - 3:5  <b>described</b> [1] - 17:22  <b>design</b> [2] - 10:25, 24:13  <b>designed</b> [3] - 10:25, 11:6, 23:2  <b>desire</b> [2] - 4:6, 59:10  <b>determined</b> [3] - 21:10, 40:24, 63:4  <b>determining</b> [1] - 41:4  <b>develop</b> [2] - 13:13, 18:10  <b>developed</b> [1] - 32:14  <b>diameter</b> [3] - 30:5, 30:13, 31:6  <b>different</b> [7] - 18:11, 21:12, 23:22, 26:3, 28:11, 31:19, 50:25  <b>differently</b> [2] - 50:11, 53:21  <b>difficult</b> [1] - 24:5  <b>digging</b> [1] - 30:17  <b>director</b> [4] - 58:15, 59:2, 64:5, 64:7  <b>Director</b> [4] - 1:13, 1:14, 2:6, 2:21  <b>discharge</b> [2] - 21:5, 36:4  <b>discussing</b> [1] - 52:4  <b>disinfected</b> [1] - 37:10  <b>disinfection</b> [2] - 35:25, 37:9  <b>distribute</b> [1] - 52:25  <b>District</b> [1] - 34:2  <b>districts</b> [2] - 62:19, 63:3  <b>document</b> [5] - 2:18, 4:17, 8:4, 12:10, 46:7  <b>documents</b> [1] - 42:18  <b>dollar</b> [20] - 31:10, 31:24, 32:22, 33:6,</p>	<p>34:20, 38:15, 38:24, 40:21, 41:3, 41:9, 42:2, 42:9, 42:20, 43:14, 43:18, 43:21, 45:21, 49:18, 50:12, 51:8  <b>dollars</b> [13] - 26:10, 29:5, 32:23, 33:10, 34:24, 35:4, 39:11, 40:25, 41:5, 52:13, 53:17, 61:17, 63:10  <b>done</b> [14] - 12:19, 14:19, 21:2, 26:13, 43:22, 52:6, 54:25, 55:5, 60:14, 61:8, 62:25, 63:2, 63:21, 63:22  <b>door</b> [2] - 8:22, 27:25  <b>double</b> [4] - 43:10, 43:13, 51:9, 52:17  <b>down</b> [7] - 16:3, 31:18, 34:5, 35:12, 40:9, 40:23, 56:9  <b>downpour</b> [1] - 55:3  <b>downspouts</b> [1] - 14:12  <b>Draft</b> [1] - 5:11  <b>draft</b> [1] - 33:4  <b>DRAFT</b> [1] - 1:6  <b>drains</b> [2] - 14:13, 15:22  <b>draw</b> [1] - 42:19  <b>drinking</b> [3] - 19:24, 20:3, 20:8  <b>Drive</b> [1] - 1:9  <b>driven</b> [1] - 27:11  <b>driving</b> [1] - 41:2  <b>drop</b> [5] - 3:13, 4:4, 5:9, 7:19, 33:17  <b>dry</b> [2] - 11:2, 11:4  <b>dryland</b> [1] - 21:8  <b>duration</b> [2] - 22:7, 22:11  <b>during</b> [9] - 2:24, 6:6, 8:6, 11:5, 11:11, 12:23, 21:7, 36:16, 37:4  <b>dwelling</b> [1] - 49:22</p>	<p>23:13  <b>eliminated</b> [1] - 22:10  <b>eliminating</b> [1] - 24:9  <b>Emsworth</b> [1] - 31:19  <b>encourage</b> [3] - 4:13, 24:7, 56:23  <b>end</b> [2] - 8:10, 8:23  <b>energies</b> [1] - 62:5  <b>enforce</b> [1] - 59:15  <b>engaged</b> [1] - 19:3  <b>Engineering</b> [1] - 2:21  <b>engineering</b> [2] - 45:7, 64:5  <b>Engineering/Construction</b> [1] - 1:15  <b>England</b> [2] - 60:21, 60:24  <b>ENGLAND</b> [1] - 60:23  <b>enhance</b> [1] - 37:12  <b>entail</b> [1] - 33:24  <b>entailed</b> [1] - 18:18  <b>entered</b> [1] - 12:10  <b>entire</b> [8] - 6:21, 49:20, 51:13, 51:24, 52:7, 52:8, 59:21  <b>environmental</b> [3] - 2:9, 26:19, 63:13  <b>Environmental</b> [3] - 2:14, 12:13, 26:6  <b>EPA</b> [22] - 12:2, 12:11, 13:9, 25:14, 27:11, 28:9, 28:21, 32:10, 32:19, 36:16, 37:5, 37:17, 39:9, 39:21, 40:2, 42:23, 43:19, 44:14, 49:9, 52:5, 55:25  <b>EPA's</b> [1] - 19:6  <b>equal</b> [3] - 5:3, 5:4, 6:12  <b>erode</b> [1] - 10:14  <b>especially</b> [1] - 16:18  <b>Esq</b> [1] - 1:13  <b>essence</b> [2] - 11:12, 15:9  <b>essentially</b> [1] - 21:4  <b>Etna</b> [1] - 31:17  <b>event</b> [2] - 4:12, 19:10  <b>events</b> [3] - 7:8, 11:6, 18:7  <b>eventually</b> [1] - 14:2  <b>everywhere</b> [1] - 53:4  <b>evidence</b> [1] - 65:6  <b>evolving</b> [3] - 11:15, 25:25, 56:12  <b>exactly</b> [1] - 18:20  <b>exceed</b> [1] - 41:17  <b>exceeding</b> [1] - 19:12  <b>excellent</b> [1] - 5:18  <b>excessive</b> [1] - 16:9  <b>exchange</b> [1] - 17:24  <b>exchanging</b> [2] - 22:23, 45:8  <b>excuse</b> [1] - 57:8</p>	<p><b>Executive</b> [2] - 1:13, 2:6  <b>executive</b> [2] - 58:15, 64:7  <b>existing</b> [3] - 22:25, 29:22, 38:12  <b>exists</b> [1] - 16:12  <b>expand</b> [4] - 23:19, 29:14, 33:15, 36:23  <b>expanded</b> [3] - 35:22, 35:23, 37:3  <b>expansion</b> [5] - 11:19, 29:20, 33:14, 33:18, 35:10  <b>expected</b> [1] - 16:21  <b>expensive</b> [1] - 60:15  <b>explain</b> [6] - 2:17, 29:19, 33:5, 33:7, 48:9, 48:24  <b>extending</b> [2] - 30:21, 52:5  <b>extends</b> [3] - 29:25, 30:6, 30:8  <b>extensive</b> [2] - 17:25, 21:2</p>
<b>F</b>				
<p style="text-align: center;"><b>D</b></p> <p><b>damage</b> [3] - 54:25, 55:5, 55:8  <b>damages</b> [1] - 55:14  <b>Dan</b> [1] - 16:3  <b>date</b> [3] - 25:19, 27:22, 64:16  <b>Dave</b> [2] - 8:24  <b>David</b> [3] - 1:14, 2:21, 64:4  <b>deadline</b> [2] - 20:19,</p>	<p><b>discussing</b> [1] - 52:4  <b>disinfected</b> [1] - 37:10  <b>disinfection</b> [2] - 35:25, 37:9  <b>distribute</b> [1] - 52:25  <b>District</b> [1] - 34:2  <b>districts</b> [2] - 62:19, 63:3  <b>document</b> [5] - 2:18, 4:17, 8:4, 12:10, 46:7  <b>documents</b> [1] - 42:18  <b>dollar</b> [20] - 31:10, 31:24, 32:22, 33:6,</p>	<p style="text-align: center;"><b>E</b></p> <p><b>e-mail</b> [1] - 47:3  <b>economic</b> [1] - 20:15  <b>educate</b> [3] - 22:20, 24:14, 25:23  <b>education</b> [1] - 45:12  <b>educational</b> [1] - 4:14  <b>effective</b> [2] - 29:2, 40:17  <b>effort</b> [1] - 60:11  <b>efforts</b> [1] - 27:9  <b>either</b> [2] - 4:6, 23:14  <b>elements</b> [1] - 33:12  <b>elevated</b> [1] - 19:11  <b>eliminate</b> [2] - 15:23,</p>	<p><b>facilities</b> [5] - 25:10, 27:16, 28:12, 38:20, 39:7  <b>facility</b> [3] - 7:17, 34:16, 34:18  <b>fact</b> [2] - 46:12, 63:7  <b>factor</b> [1] - 50:16  <b>falls</b> [1] - 61:23  <b>familiar</b> [1] - 10:5  <b>far</b> [2] - 34:2, 35:5  <b>fast</b> [1] - 14:25  <b>federal</b> [1] - 42:4  <b>Federal</b> [1] - 12:11  <b>feet</b> [5] - 30:2, 30:5, 30:12, 31:5, 35:11  <b>felt</b> [2] - 42:19, 42:22  <b>few</b> [5] - 3:9, 5:7, 29:7, 33:6, 59:5  <b>figure</b> [2] - 38:16, 49:8  <b>figures</b> [1] - 27:20  <b>figuring</b> [1] - 62:25  <b>fill</b> [1] - 4:3  <b>final</b> [1] - 6:10  <b>finally</b> [2] - 5:6, 8:19  <b>finance</b> [2] - 42:3, 43:3  <b>financial</b> [1] - 18:13  <b>financially</b> [1] - 44:22  <b>financing</b> [2] - 62:7, 62:24  <b>finish</b> [1] - 26:20  <b>first</b> [11] - 3:8, 8:22, 22:3, 22:15, 24:20, 28:14, 33:9, 52:11, 58:10, 58:11, 58:20  <b>five</b> [9] - 8:14, 19:23, 44:20, 46:18, 47:23,</p>	

<p>54:8, 54:14, 56:25, 57:6</p> <p><b>five-minute</b> [5] - 8:14, 47:23, 54:8, 54:14, 56:25</p> <p><b>flier</b> [1] - 4:10</p> <p><b>flood</b> [9] - 17:8, 17:14, 17:15, 54:24, 54:25, 55:12, 61:22, 61:24</p> <p><b>flood-controlled</b> [1] - 55:12</p> <p><b>flooding</b> [1] - 17:13</p> <p><b>flow</b> [6] - 9:22, 11:5, 22:24, 25:13, 27:17, 35:8</p> <p><b>flows</b> [12] - 9:25, 10:17, 10:24, 11:2, 13:19, 33:20, 35:11, 35:25, 36:18, 37:3, 37:6, 44:4</p> <p><b>focus</b> [1] - 13:9</p> <p><b>folder</b> [3] - 46:8, 47:5, 64:11</p> <p><b>follow</b> [1] - 6:25</p> <p><b>food</b> [1] - 4:15</p> <p><b>force</b> [1] - 41:2</p> <p><b>forecast</b> [1] - 16:18</p> <p><b>foreseen</b> [1] - 56:18</p> <p><b>forgive</b> [1] - 61:5</p> <p><b>form</b> [7] - 3:11, 4:2, 4:3, 5:7, 18:22, 22:21, 57:21</p> <p><b>formal</b> [4] - 7:14, 7:21, 8:16, 57:9</p> <p><b>format</b> [2] - 3:5, 7:20</p> <p><b>formed</b> [2] - 24:15, 26:7</p> <p><b>forms</b> [2] - 46:25, 47:4</p> <p><b>forward</b> [13] - 16:16, 18:16, 18:21, 28:3, 36:22, 43:15, 43:18, 44:9, 46:20, 46:25, 53:25, 55:25, 56:12</p> <p><b>foster</b> [1] - 26:4</p> <p><b>foundation</b> [2] - 14:13, 15:21</p> <p><b>four</b> [4] - 21:25, 23:23, 31:10, 55:3</p> <p><b>Fox</b> [1] - 50:15</p> <p><b>frame</b> [1] - 32:13</p> <p><b>free</b> [2] - 4:15</p> <p><b>frequency</b> [2] - 22:7, 22:11</p> <p><b>FROM</b> [1] - 1:24</p> <p><b>front</b> [4] - 3:11, 3:18, 5:8, 5:21</p> <p><b>full</b> [4] - 29:18, 35:13, 37:4, 46:19</p> <p><b>fully</b> [1] - 65:8</p> <p><b>funding</b> [4] - 26:10, 26:16, 62:11, 62:24</p> <p><b>future</b> [4] - 23:12, 46:25, 59:22, 61:14</p>	<p style="text-align: center;"><b>G</b></p> <p><b>gain</b> [1] - 59:18</p> <p><b>gallon</b> [1] - 52:3</p> <p><b>gallons</b> [20] - 9:18, 10:3, 11:21, 12:22, 14:21, 21:22, 27:12, 29:15, 29:16, 29:17, 33:15, 36:19, 37:2, 39:13, 39:15, 39:20, 40:22, 40:23, 44:3, 45:22</p> <p><b>Garden</b> [1] - 44:2</p> <p><b>gardens</b> [2] - 44:7, 62:2</p> <p><b>gathering</b> [1] - 17:24</p> <p><b>general</b> [1] - 49:6</p> <p><b>generally</b> [1] - 9:22</p> <p><b>gentleman</b> [1] - 59:14</p> <p><b>given</b> [2] - 36:2, 57:4</p> <p><b>glad</b> [1] - 9:8</p> <p><b>goal</b> [1] - 15:22</p> <p><b>goals</b> [3] - 16:15, 19:5, 45:18</p> <p><b>government</b> [1] - 59:3</p> <p><b>gravity</b> [1] - 9:22</p> <p><b>gray</b> [2] - 61:16, 63:8</p> <p><b>great</b> [2] - 5:18, 61:7</p> <p><b>greater</b> [1] - 38:5</p> <p><b>greatly</b> [7] - 37:12, 37:24, 39:17, 41:7, 50:2, 50:10, 52:19</p> <p><b>green</b> [31] - 24:11, 24:18, 24:23, 25:25, 26:7, 26:23, 27:7, 27:23, 29:23, 30:3, 30:6, 31:4, 38:24, 39:4, 41:10, 43:25, 44:7, 52:24, 59:7, 59:24, 60:9, 61:7, 61:11, 62:4, 62:8, 62:12, 62:22, 63:4, 63:8</p> <p><b>Greenfield</b> [1] - 34:4</p> <p><b>ground</b> [3] - 15:2, 18:5, 30:16</p> <p><b>groundwater</b> [8] - 10:13, 13:24, 15:14, 15:21, 16:9, 22:17, 24:3, 27:5</p> <p><b>group</b> [2] - 18:25, 20:21</p> <p><b>groups</b> [2] - 18:22, 19:3</p> <p><b>growing</b> [1] - 12:4</p> <p><b>growth</b> [5] - 16:17, 16:20, 16:23, 20:15, 20:17</p> <p><b>guidance</b> [3] - 24:17, 37:17, 42:18</p> <p><b>guidelines</b> [8] - 4:18, 4:24, 8:18, 37:21, 37:25, 49:13, 49:17, 57:12</p>	<p style="text-align: center;"><b>H</b></p> <p><b>half</b> [2] - 29:6, 45:23</p> <p><b>Hall</b> [1] - 1:9</p> <p><b>hand</b> [2] - 21:19, 21:20</p> <p><b>handle</b> [3] - 9:18, 11:2, 36:25</p> <p><b>hard</b> [1] - 27:18</p> <p><b>Harper</b> [1] - 1:9</p> <p><b>HARRIS</b> [6] - 48:5, 48:9, 48:22, 49:19, 51:10, 51:19</p> <p><b>Harris</b> [1] - 48:23</p> <p><b>harvesting</b> [1] - 26:24</p> <p><b>Health</b> [1] - 12:14</p> <p><b>health</b> [2] - 21:18, 63:11</p> <p><b>hear</b> [2] - 9:3, 48:15</p> <p><b>heard</b> [1] - 62:9</p> <p><b>hearing</b> [3] - 61:6, 64:15, 65:11</p> <p><b>hello</b> [1] - 58:19</p> <p><b>help</b> [2] - 26:16, 44:18</p> <p><b>helped</b> [2] - 26:4, 51:3</p> <p><b>helps</b> [3] - 28:25, 61:23, 61:24</p> <p><b>hereby</b> [1] - 65:5</p> <p><b>hi</b> [1] - 58:17</p> <p><b>Hi</b> [1] - 58:18</p> <p><b>high</b> [5] - 24:3, 38:6, 41:14, 50:6</p> <p><b>higher</b> [2] - 20:2, 20:12</p> <p><b>highlight</b> [4] - 9:13, 17:20, 35:9, 41:15</p> <p><b>highlighted</b> [1] - 34:21</p> <p><b>highlights</b> [3] - 32:16, 32:17, 46:8</p> <p><b>highly</b> [1] - 41:6</p> <p><b>Hills</b> [1] - 53:23</p> <p><b>Hilltop</b> [1] - 1:9</p> <p><b>historic</b> [1] - 61:12</p> <p><b>history</b> [2] - 10:5, 24:2</p> <p><b>hits</b> [1] - 14:24</p> <p><b>hold</b> [3] - 6:8, 8:10, 23:16</p> <p><b>Hollow</b> [2] - 26:14, 34:5</p> <p><b>hope</b> [3] - 17:12, 46:15, 53:12</p> <p><b>hopefully</b> [4] - 47:9, 56:9, 59:9, 59:16</p> <p><b>House</b> [3] - 4:10, 4:11, 46:12</p> <p><b>house</b> [1] - 58:16</p> <p><b>household</b> [9] - 37:22, 41:7, 43:12, 49:7, 49:22, 49:25, 50:14, 50:19, 51:4</p> <p><b>housekeeping</b> [1] - 3:4</p> <p><b>hundred</b> [1] - 29:7</p>	<p style="text-align: center;"><b>I</b></p> <p><b>idea</b> [2] - 53:18, 57:17</p> <p><b>identified</b> [2] - 14:19, 29:9</p> <p><b>identify</b> [2] - 28:14, 28:16</p> <p><b>impact</b> [6] - 13:8, 20:8, 38:3, 42:8, 45:10, 61:20</p> <p><b>impacts</b> [4] - 41:6, 41:15, 42:10, 53:22</p> <p><b>impervious</b> [1] - 15:3</p> <p><b>implement</b> [9] - 17:2, 18:16, 24:22, 24:23, 26:17, 27:5, 27:6, 32:21, 43:21</p> <p><b>implementation</b> [1] - 34:22</p> <p><b>implemented</b> [3] - 13:13, 17:18, 63:5</p> <p><b>implementing</b> [1] - 34:23</p> <p><b>importance</b> [1] - 7:25</p> <p><b>important</b> [6] - 4:17, 4:25, 9:9, 37:16, 60:4, 64:12</p> <p><b>importantly</b> [1] - 29:11</p> <p><b>improve</b> [2] - 34:10, 59:9</p> <p><b>improvement</b> [2] - 38:3, 53:8</p> <p><b>improvements</b> [40] - 12:7, 13:10, 23:3, 23:8, 23:20, 27:14, 29:5, 29:6, 29:8, 29:13, 29:21, 31:16, 31:25, 32:24, 33:18, 34:6, 34:15, 34:25, 35:2, 35:4, 36:23, 37:20, 38:10, 38:13, 38:15, 38:20, 39:6, 39:17, 39:25, 40:8, 40:11, 42:6, 42:21, 42:22, 52:13, 53:9, 53:20, 55:14, 59:13, 59:18</p> <p><b>improves</b> [1] - 62:5</p> <p><b>IN</b> [1] - 1:5</p> <p><b>include</b> [3] - 29:5, 34:24, 57:20</p> <p><b>included</b> [4] - 2:18, 22:15, 29:8, 59:25</p> <p><b>includes</b> [4] - 32:22, 34:6, 35:6, 52:3</p> <p><b>including</b> [2] - 49:15, 50:5</p> <p><b>income</b> [10] - 37:22, 41:7, 49:7, 50:14, 50:20, 51:4, 51:12, 51:14, 51:23, 52:7</p> <p><b>incomes</b> [1] - 52:9</p> <p><b>incorporate</b> [2] - 25:21, 59:13</p> <p><b>increase</b> [1] - 54:22</p>	<p><b>increases</b> [2] - 43:5, 62:2</p> <p><b>indicated</b> [2] - 7:3, 57:11</p> <p><b>indicates</b> [1] - 31:24</p> <p><b>indicating</b> [16] - 9:16, 29:3, 29:12, 30:9, 30:23, 31:3, 31:18, 31:21, 34:21, 36:11, 36:12, 39:4, 39:9, 40:5, 40:20, 52:23</p> <p><b>indicating</b> [5] - 30:6, 38:25, 39:15, 39:21, 40:2</p> <p><b>indicator</b> [1] - 48:25</p> <p><b>indicators</b> [2] - 19:11, 20:6</p> <p><b>individual</b> [2] - 49:22, 58:11</p> <p><b>industrial</b> [1] - 61:16</p> <p><b>industry</b> [1] - 59:21</p> <p><b>information</b> [19] - 2:13, 3:4, 4:7, 7:5, 17:24, 17:25, 22:23, 28:2, 45:8, 46:19, 47:5, 48:15, 53:11, 54:4, 55:19, 57:21, 57:23, 57:24, 58:9</p> <p><b>infrastructure</b> [20] - 14:3, 16:23, 23:7, 24:4, 25:25, 26:8, 26:23, 27:7, 43:25, 59:7, 59:8, 59:25, 60:9, 61:7, 61:12, 62:4, 62:8, 62:12, 62:23, 63:4</p> <p><b>initiate</b> [1] - 8:16</p> <p><b>initiated</b> [1] - 12:7</p> <p><b>initiative</b> [1] - 63:19</p> <p><b>initiatives</b> [1] - 62:25</p> <p><b>input</b> [1] - 64:13</p> <p><b>inside</b> [1] - 40:8</p> <p><b>instead</b> [3] - 63:2, 63:15, 63:21</p> <p><b>institutional</b> [2] - 24:20, 26:3</p> <p><b>institutionally</b> [1] - 13:12</p> <p><b>intakes</b> [2] - 19:23, 32:5</p> <p><b>integrate</b> [2] - 23:17, 45:15</p> <p><b>integrated</b> [1] - 55:25</p> <p><b>intentions</b> [2] - 25:18, 27:8</p> <p><b>interaction</b> [1] - 45:7</p> <p><b>intercept</b> [1] - 11:4</p> <p><b>interceptor</b> [2] - 9:24, 29:22</p> <p><b>interested</b> [2] - 27:13</p> <p><b>interim</b> [1] - 34:16</p> <p><b>interruption</b> [1] - 5:5</p> <p><b>interruptions</b> [1] - 58:7</p> <p><b>introduce</b> [1] - 3:3</p> <p><b>inventory</b> [1] - 17:25</p>
---	---	--	--	--

<p><b>invest</b> <sup>[1]</sup> - 61:19</p> <p><b>investment</b> <sup>[3]</sup> - 61:14, 61:18, 63:14</p> <p><b>investment</b> <sup>[1]</sup> - 18:19</p> <p><b>IS</b> <sup>[1]</sup> - 1:23</p> <p><b>issue</b> <sup>[10]</sup> - 9:9, 12:18, 46:11, 46:16, 46:19, 47:10, 52:5, 60:4, 61:11, 64:12</p> <p><b>issues</b> <sup>[5]</sup> - 9:13, 12:6, 15:15, 21:18, 21:19</p> <p><b>items</b> <sup>[1]</sup> - 3:16</p> <p><b>itself</b> <sup>[1]</sup> - 41:18</p>	<p><b>Larry</b> <sup>[1]</sup> - 48:23</p> <p><b>last</b> <sup>[7]</sup> - 7:10, 9:11, 26:11, 46:18, 47:6, 54:2, 58:23</p> <p><b>late</b> <sup>[3]</sup> - 12:15, 24:16, 37:21</p> <p><b>Laurel</b> <sup>[1]</sup> - 60:24</p> <p><b>Lawrenceville</b> <sup>[1]</sup> - 34:3</p> <p><b>lawsuit</b> <sup>[2]</sup> - 20:20, 34:14</p> <p><b>laying</b> <sup>[1]</sup> - 30:17</p> <p><b>lead</b> <sup>[1]</sup> - 61:8</p> <p><b>leadership</b> <sup>[3]</sup> - 61:10, 61:11, 63:20</p> <p><b>leading</b> <sup>[1]</sup> - 62:22</p> <p><b>lean</b> <sup>[1]</sup> - 3:22</p> <p><b>learn</b> <sup>[1]</sup> - 46:16</p> <p><b>learning</b> <sup>[3]</sup> - 14:6, 14:22, 45:8</p> <p><b>leave</b> <sup>[1]</sup> - 7:20</p> <p><b>LEED</b> <sup>[1]</sup> - 26:22</p> <p><b>left</b> <sup>[8]</sup> - 8:21, 8:22, 8:23, 13:16, 39:16, 39:18, 57:18, 58:2</p> <p><b>legal</b> <sup>[2]</sup> - 20:19, 34:12</p> <p><b>legally</b> <sup>[1]</sup> - 32:17</p> <p><b>lengths</b> <sup>[2]</sup> - 28:11, 39:2</p> <p><b>less</b> <sup>[9]</sup> - 16:12, 31:5, 33:13, 38:2, 40:23, 41:10, 60:15, 63:9</p> <p><b>letting</b> <sup>[1]</sup> - 58:25</p> <p><b>level</b> <sup>[15]</sup> - 11:18, 11:23, 12:2, 14:20, 17:22, 31:24, 32:9, 34:18, 37:19, 38:10, 39:16, 39:24, 51:8, 53:19, 55:14</p> <p><b>levels</b> <sup>[7]</sup> - 19:10, 19:11, 22:14, 31:12, 40:5, 44:16, 50:25</p> <p><b>libraries</b> <sup>[1]</sup> - 5:14</p> <p><b>Library</b> <sup>[1]</sup> - 5:15</p> <p><b>lifetime</b> <sup>[2]</sup> - 2:11, 61:13</p> <p><b>lifted</b> <sup>[1]</sup> - 55:4</p> <p><b>light</b> <sup>[1]</sup> - 31:19</p> <p><b>likely</b> <sup>[1]</sup> - 43:8</p> <p><b>limit</b> <sup>[1]</sup> - 50:22</p> <p><b>limited</b> <sup>[2]</sup> - 15:4, 36:10</p> <p><b>limits</b> <sup>[1]</sup> - 49:13</p> <p><b>line</b> <sup>[2]</sup> - 5:15, 42:19</p> <p><b>lines</b> <sup>[1]</sup> - 30:10</p> <p><b>list</b> <sup>[5]</sup> - 7:6, 7:10, 46:14, 58:20, 63:24</p> <p><b>listed</b> <sup>[1]</sup> - 47:2</p> <p><b>literally</b> <sup>[2]</sup> - 61:12, 61:17</p> <p><b>live</b> <sup>[3]</sup> - 54:16, 57:20, 60:24</p> <p><b>living</b> <sup>[1]</sup> - 49:22</p> <p><b>lobbied</b> <sup>[1]</sup> - 26:12</p> <p><b>local</b> <sup>[26]</sup> - 9:20, 9:21,</p>	<p>10:10, 10:12, 17:6, 17:13, 19:3, 22:18, 23:5, 24:8, 24:24, 24:25, 26:5, 26:10, 29:7, 31:15, 32:23, 32:24, 34:24, 35:4, 39:5, 40:11, 50:14, 52:3, 52:18, 53:8</p> <p><b>locally</b> <sup>[6]</sup> - 13:12, 23:9, 26:15, 42:11, 44:2, 53:6</p> <p><b>locations</b> <sup>[1]</sup> - 31:10</p> <p><b>long-term</b> <sup>[1]</sup> - 62:6</p> <p><b>look</b> <sup>[19]</sup> - 5:13, 5:17, 16:18, 18:12, 20:10, 21:11, 21:24, 22:25, 28:9, 52:6, 52:11, 52:16, 53:6, 54:23, 55:13, 56:23, 60:19, 63:20</p> <p><b>looked</b> <sup>[5]</sup> - 28:4, 28:7, 38:18, 38:25, 39:5</p> <p><b>looking</b> <sup>[5]</sup> - 22:13, 39:9, 39:19, 42:18, 56:6</p> <p><b>loud</b> <sup>[1]</sup> - 16:2</p> <p><b>love</b> <sup>[1]</sup> - 63:6</p> <p><b>low</b> <sup>[3]</sup> - 38:3, 50:6, 50:15</p> <p><b>Lugene</b> <sup>[6]</sup> - 3:3, 3:21, 9:4, 46:3, 46:21, 47:16</p>	<p>28:21</p> <p><b>means</b> <sup>[2]</sup> - 21:17, 46:9</p> <p><b>measurable</b> <sup>[1]</sup> - 45:19</p> <p><b>measure</b> <sup>[1]</sup> - 39:22</p> <p><b>measured</b> <sup>[1]</sup> - 28:21</p> <p><b>media</b> <sup>[1]</sup> - 46:17</p> <p><b>median</b> <sup>[5]</sup> - 37:22, 41:6, 49:7, 50:19, 51:4</p> <p><b>medium</b> <sup>[2]</sup> - 50:14, 51:12</p> <p><b>meet</b> <sup>[2]</sup> - 3:8, 32:19</p> <p><b>meeting</b> <sup>[10]</sup> - 3:18, 5:10, 5:22, 5:25, 6:15, 6:16, 6:22, 7:9, 7:14, 7:21</p> <p><b>MEETING</b> <sup>[1]</sup> - 1:3</p> <p><b>meetings</b> <sup>[10]</sup> - 7:6, 7:7, 7:10, 7:13, 46:13, 46:15, 46:22, 47:3, 47:6, 64:11</p> <p><b>melt</b> <sup>[1]</sup> - 11:6</p> <p><b>member</b> <sup>[1]</sup> - 60:25</p> <p><b>men's</b> <sup>[1]</sup> - 8:22</p> <p><b>mentioned</b> <sup>[11]</sup> - 5:7, 20:19, 20:25, 21:16, 23:25, 27:11, 32:3, 33:12, 37:15, 40:24, 46:3</p> <p><b>method</b> <sup>[1]</sup> - 62:13</p> <p><b>methods</b> <sup>[1]</sup> - 46:23</p> <p><b>microphone</b> <sup>[3]</sup> - 3:22, 4:9, 48:17</p> <p><b>middle</b> <sup>[1]</sup> - 52:7</p> <p><b>midrange</b> <sup>[1]</sup> - 38:5</p> <p><b>might</b> <sup>[3]</sup> - 20:6, 50:5, 51:22</p> <p><b>miles</b> <sup>[3]</sup> - 9:20, 9:24, 29:7</p> <p><b>Mill</b> <sup>[2]</sup> - 11:9, 30:20</p> <p><b>million</b> <sup>[17]</sup> - 9:18, 10:3, 11:21, 26:10, 29:15, 29:16, 29:17, 32:23, 33:15, 34:24, 35:4, 36:19, 37:2, 42:21, 52:13, 53:3, 53:16</p> <p><b>mind</b> <sup>[2]</sup> - 19:6, 27:10</p> <p><b>minds</b> <sup>[1]</sup> - 41:13</p> <p><b>mine</b> <sup>[1]</sup> - 15:11</p> <p><b>minute</b> <sup>[8]</sup> - 6:9, 8:14, 47:23, 54:8, 54:14, 56:25, 57:17, 58:2</p> <p><b>minutes</b> <sup>[6]</sup> - 3:9, 6:8, 57:5, 57:11, 57:15, 58:9</p> <p><b>missing</b> <sup>[1]</sup> - 61:9</p> <p><b>mix</b> <sup>[1]</sup> - 22:2</p> <p><b>models</b> <sup>[1]</sup> - 60:13</p> <p><b>Moderator</b> <sup>[1]</sup> - 1:14</p> <p><b>moderator</b> <sup>[2]</sup> - 5:23, 5:25</p> <p><b>modify</b> <sup>[1]</sup> - 34:17</p> <p><b>Mon</b> <sup>[2]</sup> - 11:8, 19:21</p>	<p><b>money</b> <sup>[10]</sup> - 39:22, 40:14, 42:4, 42:5, 43:2, 43:11, 54:23, 55:21, 59:8, 63:7</p> <p><b>Moni</b> <sup>[1]</sup> - 54:15</p> <p><b>MONI</b> <sup>[1]</sup> - 54:20</p> <p><b>monies</b> <sup>[1]</sup> - 49:3</p> <p><b>months</b> <sup>[2]</sup> - 25:21, 53:12</p> <p><b>morning</b> <sup>[9]</sup> - 2:4, 2:5, 2:20, 3:6, 3:20, 4:20, 9:2, 9:9, 58:25</p> <p><b>most</b> <sup>[2]</sup> - 2:11, 37:15</p> <p><b>move</b> <sup>[1]</sup> - 35:15</p> <p><b>movement</b> <sup>[1]</sup> - 44:2</p> <p><b>MR</b> <sup>[30]</sup> - 2:4, 9:2, 9:7, 48:5, 48:9, 48:12, 48:16, 48:19, 48:22, 49:4, 49:19, 49:24, 51:10, 51:17, 51:19, 51:25, 52:10, 54:5, 54:9, 55:10, 55:23, 56:11, 56:21, 57:3, 58:13, 58:19, 58:22, 60:5, 63:23, 64:9</p> <p><b>MS</b> <sup>[21]</sup> - 3:6, 3:21, 3:23, 3:24, 3:25, 6:3, 6:4, 9:5, 47:19, 48:14, 54:7, 54:13, 54:15, 54:20, 55:20, 56:9, 56:20, 56:25, 57:8, 58:18, 60:23</p> <p><b>Mt</b> <sup>[1]</sup> - 42:13</p> <p><b>multiple</b> <sup>[1]</sup> - 62:17</p> <p><b>municipal</b> <sup>[8]</sup> - 18:18, 19:4, 25:24, 27:3, 29:6, 42:21, 49:16, 53:2</p> <p><b>Municipal</b> <sup>[1]</sup> - 18:23</p> <p><b>municipalities</b> <sup>[28]</sup> - 9:19, 10:2, 13:14, 17:2, 17:23, 18:2, 18:16, 22:23, 24:15, 24:17, 25:2, 25:16, 26:17, 27:21, 27:22, 28:2, 29:10, 35:5, 38:14, 41:16, 44:11, 46:6, 50:4, 51:14, 53:5, 53:15, 59:15, 59:16</p> <p><b>municipalities'</b> <sup>[1]</sup> - 13:5</p> <p><b>municipality</b> <sup>[9]</sup> - 41:8, 49:20, 50:17, 51:15, 51:21, 52:14, 52:19, 53:21, 57:20</p>
<b>J</b>				
<p><b>January</b> <sup>[1]</sup> - 2:15</p> <p><b>Jennifer</b> <sup>[2]</sup> - 60:21, 60:24</p> <p><b>jobs</b> <sup>[3]</sup> - 59:21, 62:6</p> <p><b>Joe</b> <sup>[1]</sup> - 59:2</p> <p><b>Joseph</b> <sup>[3]</sup> - 58:20, 58:23, 59:4</p> <p><b>July</b> <sup>[2]</sup> - 25:18, 60:18</p> <p><b>junction</b> <sup>[1]</sup> - 64:15</p> <p><b>jurisdictions</b> <sup>[1]</sup> - 62:17</p> <p><b>Justice</b> <sup>[1]</sup> - 12:12</p>	<p><b>Larry</b> <sup>[1]</sup> - 48:23</p> <p><b>last</b> <sup>[7]</sup> - 7:10, 9:11, 26:11, 46:18, 47:6, 54:2, 58:23</p> <p><b>late</b> <sup>[3]</sup> - 12:15, 24:16, 37:21</p> <p><b>Laurel</b> <sup>[1]</sup> - 60:24</p> <p><b>Lawrenceville</b> <sup>[1]</sup> - 34:3</p> <p><b>lawsuit</b> <sup>[2]</sup> - 20:20, 34:14</p> <p><b>laying</b> <sup>[1]</sup> - 30:17</p> <p><b>lead</b> <sup>[1]</sup> - 61:8</p> <p><b>leadership</b> <sup>[3]</sup> - 61:10, 61:11, 63:20</p> <p><b>leading</b> <sup>[1]</sup> - 62:22</p> <p><b>lean</b> <sup>[1]</sup> - 3:22</p> <p><b>learn</b> <sup>[1]</sup> - 46:16</p> <p><b>learning</b> <sup>[3]</sup> - 14:6, 14:22, 45:8</p> <p><b>leave</b> <sup>[1]</sup> - 7:20</p> <p><b>LEED</b> <sup>[1]</sup> - 26:22</p> <p><b>left</b> <sup>[8]</sup> - 8:21, 8:22, 8:23, 13:16, 39:16, 39:18, 57:18, 58:2</p> <p><b>legal</b> <sup>[2]</sup> - 20:19, 34:12</p> <p><b>legally</b> <sup>[1]</sup> - 32:17</p> <p><b>lengths</b> <sup>[2]</sup> - 28:11, 39:2</p> <p><b>less</b> <sup>[9]</sup> - 16:12, 31:5, 33:13, 38:2, 40:23, 41:10, 60:15, 63:9</p> <p><b>letting</b> <sup>[1]</sup> - 58:25</p> <p><b>level</b> <sup>[15]</sup> - 11:18, 11:23, 12:2, 14:20, 17:22, 31:24, 32:9, 34:18, 37:19, 38:10, 39:16, 39:24, 51:8, 53:19, 55:14</p> <p><b>levels</b> <sup>[7]</sup> - 19:10, 19:11, 22:14, 31:12, 40:5, 44:16, 50:25</p> <p><b>libraries</b> <sup>[1]</sup> - 5:14</p> <p><b>Library</b> <sup>[1]</sup> - 5:15</p> <p><b>lifetime</b> <sup>[2]</sup> - 2:11, 61:13</p> <p><b>lifted</b> <sup>[1]</sup> - 55:4</p> <p><b>light</b> <sup>[1]</sup> - 31:19</p> <p><b>likely</b> <sup>[1]</sup> - 43:8</p> <p><b>limit</b> <sup>[1]</sup> - 50:22</p> <p><b>limited</b> <sup>[2]</sup> - 15:4, 36:10</p> <p><b>limits</b> <sup>[1]</sup> - 49:13</p> <p><b>line</b> <sup>[2]</sup> - 5:15, 42:19</p> <p><b>lines</b> <sup>[1]</sup> - 30:10</p> <p><b>list</b> <sup>[5]</sup> - 7:6, 7:10, 46:14, 58:20, 63:24</p> <p><b>listed</b> <sup>[1]</sup> - 47:2</p> <p><b>literally</b> <sup>[2]</sup> - 61:12, 61:17</p> <p><b>live</b> <sup>[3]</sup> - 54:16, 57:20, 60:24</p> <p><b>living</b> <sup>[1]</sup> - 49:22</p> <p><b>lobbied</b> <sup>[1]</sup> - 26:12</p> <p><b>local</b> <sup>[26]</sup> - 9:20, 9:21,</p>	<p>10:10, 10:12, 17:6, 17:13, 19:3, 22:18, 23:5, 24:8, 24:24, 24:25, 26:5, 26:10, 29:7, 31:15, 32:23, 32:24, 34:24, 35:4, 39:5, 40:11, 50:14, 52:3, 52:18, 53:8</p> <p><b>locally</b> <sup>[6]</sup> - 13:12, 23:9, 26:15, 42:11, 44:2, 53:6</p> <p><b>locations</b> <sup>[1]</sup> - 31:10</p> <p><b>long-term</b> <sup>[1]</sup> - 62:6</p> <p><b>look</b> <sup>[19]</sup> - 5:13, 5:17, 16:18, 18:12, 20:10, 21:11, 21:24, 22:25, 28:9, 52:6, 52:11, 52:16, 53:6, 54:23, 55:13, 56:23, 60:19, 63:20</p> <p><b>looked</b> <sup>[5]</sup> - 28:4, 28:7, 38:18, 38:25, 39:5</p> <p><b>looking</b> <sup>[5]</sup> - 22:13, 39:9, 39:19, 42:18, 56:6</p> <p><b>loud</b> <sup>[1]</sup> - 16:2</p> <p><b>love</b> <sup>[1]</sup> - 63:6</p> <p><b>low</b> <sup>[3]</sup> - 38:3, 50:6, 50:15</p> <p><b>Lugene</b> <sup>[6]</sup> - 3:3, 3:21, 9:4, 46:3, 46:21, 47:16</p>	<p>28:21</p> <p><b>means</b> <sup>[2]</sup> - 21:17, 46:9</p> <p><b>measurable</b> <sup>[1]</sup> - 45:19</p> <p><b>measure</b> <sup>[1]</sup> - 39:22</p> <p><b>measured</b> <sup>[1]</sup> - 28:21</p> <p><b>media</b> <sup>[1]</sup> - 46:17</p> <p><b>median</b> <sup>[5]</sup> - 37:22, 41:6, 49:7, 50:19, 51:4</p> <p><b>medium</b> <sup>[2]</sup> - 50:14, 51:12</p> <p><b>meet</b> <sup>[2]</sup> - 3:8, 32:19</p> <p><b>meeting</b> <sup>[10]</sup> - 3:18, 5:10, 5:22, 5:25, 6:15, 6:16, 6:22, 7:9, 7:14, 7:21</p> <p><b>MEETING</b> <sup>[1]</sup> - 1:3</p> <p><b>meetings</b> <sup>[10]</sup> - 7:6, 7:7, 7:10, 7:13, 46:13, 46:15, 46:22, 47:3, 47:6, 64:11</p> <p><b>melt</b> <sup>[1]</sup> - 11:6</p> <p><b>member</b> <sup>[1]</sup> - 60:25</p> <p><b>men's</b> <sup>[1]</sup> - 8:22</p> <p><b>mentioned</b> <sup>[11]</sup> - 5:7, 20:19, 20:25, 21:16, 23:25, 27:11, 32:3, 33:12, 37:15, 40:24, 46:3</p> <p><b>method</b> <sup>[1]</sup> - 62:13</p> <p><b>methods</b> <sup>[1]</sup> - 46:23</p> <p><b>microphone</b> <sup>[3]</sup> - 3:22, 4:9, 48:17</p> <p><b>middle</b> <sup>[1]</sup> - 52:7</p> <p><b>midrange</b> <sup>[1]</sup> - 38:5</p> <p><b>might</b> <sup>[3]</sup> - 20:6, 50:5, 51:22</p> <p><b>miles</b> <sup>[3]</sup> - 9:20, 9:24, 29:7</p> <p><b>Mill</b> <sup>[2]</sup> - 11:9, 30:20</p> <p><b>million</b> <sup>[17]</sup> - 9:18, 10:3, 11:21, 26:10, 29:15, 29:16, 29:17, 32:23, 33:15, 34:24, 35:4, 36:19, 37:2, 42:21, 52:13, 53:3, 53:16</p> <p><b>mind</b> <sup>[2]</sup> - 19:6, 27:10</p> <p><b>minds</b> <sup>[1]</sup> - 41:13</p> <p><b>mine</b> <sup>[1]</sup> - 15:11</p> <p><b>minute</b> <sup>[8]</sup> - 6:9, 8:14, 47:23, 54:8, 54:14, 56:25, 57:17, 58:2</p> <p><b>minutes</b> <sup>[6]</sup> - 3:9, 6:8, 57:5, 57:11, 57:15, 58:9</p> <p><b>missing</b> <sup>[1]</sup> - 61:9</p> <p><b>mix</b> <sup>[1]</sup> - 22:2</p> <p><b>models</b> <sup>[1]</sup> - 60:13</p> <p><b>Moderator</b> <sup>[1]</sup> - 1:14</p> <p><b>moderator</b> <sup>[2]</sup> - 5:23, 5:25</p> <p><b>modify</b> <sup>[1]</sup> - 34:17</p> <p><b>Mon</b> <sup>[2]</sup> - 11:8, 19:21</p>	<p><b>money</b> <sup>[10]</sup> - 39:22, 40:14, 42:4, 42:5, 43:2, 43:11, 54:23, 55:21, 59:8, 63:7</p> <p><b>Moni</b> <sup>[1]</sup> - 54:15</p> <p><b>MONI</b> <sup>[1]</sup> - 54:20</p> <p><b>monies</b> <sup>[1]</sup> - 49:3</p> <p><b>months</b> <sup>[2]</sup> - 25:21, 53:12</p> <p><b>morning</b> <sup>[9]</sup> - 2:4, 2:5, 2:20, 3:6, 3:20, 4:20, 9:2, 9:9, 58:25</p> <p><b>most</b> <sup>[2]</sup> - 2:11, 37:15</p> <p><b>move</b> <sup>[1]</sup> - 35:15</p> <p><b>movement</b> <sup>[1]</sup> - 44:2</p> <p><b>MR</b> <sup>[30]</sup> - 2:4, 9:2, 9:7, 48:5, 48:9, 48:12, 48:16, 48:19, 48:22, 49:4, 49:19, 49:24, 51:10, 51:17, 51:19, 51:25, 52:10, 54:5, 54:9, 55:10, 55:23, 56:11, 56:21, 57:3, 58:13, 58:19, 58:22, 60:5, 63:23, 64:9</p> <p><b>MS</b> <sup>[21]</sup> - 3:6, 3:21, 3:23, 3:24, 3:25, 6:3, 6:4, 9:5, 47:19, 48:14, 54:7, 54:13, 54:15, 54:20, 55:20, 56:9, 56:20, 56:25, 57:8, 58:18, 60:23</p> <p><b>Mt</b> <sup>[1]</sup> - 42:13</p> <p><b>multiple</b> <sup>[1]</sup> - 62:17</p> <p><b>municipal</b> <sup>[8]</sup> - 18:18, 19:4, 25:24, 27:3, 29:6, 42:21, 49:16, 53:2</p> <p><b>Municipal</b> <sup>[1]</sup> - 18:23</p> <p><b>municipalities</b> <sup>[28]</sup> - 9:19, 10:2, 13:14, 17:2, 17:23, 18:2, 18:16, 22:23, 24:15, 24:17, 25:2, 25:16, 26:17, 27:21, 27:22, 28:2, 29:10, 35:5, 38:14, 41:16, 44:11, 46:6, 50:4, 51:14, 53:5, 53:15, 59:15, 59:16</p> <p><b>municipalities'</b> <sup>[1]</sup> - 13:5</p> <p><b>municipality</b> <sup>[9]</sup> - 41:8, 49:20, 50:17, 51:15, 51:21, 52:14, 52:19, 53:21, 57:20</p>
<b>K</b>				
<p><b>Karen</b> <sup>[2]</sup> - 6:4, 57:15</p> <p><b>kayaking</b> <sup>[1]</sup> - 19:17</p> <p><b>keep</b> <sup>[5]</sup> - 16:3, 19:6, 27:10, 27:25, 61:6</p> <p><b>keeping</b> <sup>[1]</sup> - 42:12</p> <p><b>key</b> <sup>[3]</sup> - 17:16, 57:13, 58:8</p> <p><b>Keys</b> <sup>[1]</sup> - 3:3</p> <p><b>KEYS</b> <sup>[8]</sup> - 3:6, 3:23, 3:25, 6:4, 9:5, 47:19, 48:14, 57:8</p> <p><b>kids</b> <sup>[1]</sup> - 4:14</p> <p><b>kills</b> <sup>[1]</sup> - 36:3</p> <p><b>kind</b> <sup>[3]</sup> - 55:6, 55:18, 57:16</p> <p><b>kitchen</b> <sup>[1]</sup> - 6:18</p> <p><b>knee</b> <sup>[2]</sup> - 28:23, 39:25</p> <p><b>knowing</b> <sup>[1]</sup> - 52:25</p> <p><b>knowledge</b> <sup>[1]</sup> - 47:10</p>	<p><b>Larry</b> <sup>[1]</sup> - 48:23</p> <p><b>last</b> <sup>[7]</sup> - 7:10, 9:11, 26:11, 46:18, 47:6, 54:2, 58:23</p> <p><b>late</b> <sup>[3]</sup> - 12:15, 24:16, 37:21</p> <p><b>Laurel</b> <sup>[1]</sup> - 60:24</p> <p><b>Lawrenceville</b> <sup>[1]</sup> - 34:3</p> <p><b>lawsuit</b> <sup>[2]</sup> - 20:20, 34:14</p> <p><b>laying</b> <sup>[1]</sup> - 30:17</p> <p><b>lead</b> <sup>[1]</sup> - 61:8</p> <p><b>leadership</b> <sup>[3]</sup> - 61:10, 61:11, 63:20</p> <p><b>leading</b> <sup>[1]</sup> - 62:22</p> <p><b>lean</b> <sup>[1]</sup> - 3:22</p> <p><b>learn</b> <sup>[1]</sup> - 46:16</p> <p><b>learning</b> <sup>[3]</sup> - 14:6, 14:22, 45:8</p> <p><b>leave</b> <sup>[1]</sup> - 7:20</p> <p><b>LEED</b> <sup>[1]</sup> - 26:22</p> <p><b>left</b> <sup>[8]</sup> - 8:21, 8:22, 8:23, 13:16, 39:16, 39:18, 57:18, 58:2</p> <p><b>legal</b> <sup>[2]</sup> - 20:19, 34:12</p> <p><b>legally</b> <sup>[1]</sup> - 32:17</p> <p><b>lengths</b> <sup>[2]</sup> - 28:11, 39:2</p> <p><b>less</b> <sup>[9]</sup> - 16:12, 31:5, 33:13, 38:2, 40:23, 41:10, 60:15, 63:9</p> <p><b>letting</b> <sup>[1]</sup> - 58:25</p> <p><b>level</b> <sup>[15]</sup> - 11:18, 11:23, 12:2, 14:20, 17:22, 31:24, 32:9, 34:18, 37:19, 38:10, 39:16, 39:24, 51:8, 53:19, 55:14</p> <p><b>levels</b> <sup>[7]</sup> - 19:10, 19:11, 22:14, 31:12, 40:5, 44:16, 50:25</p> <p><b>libraries</b> <sup>[1]</sup> - 5:14</p> <p><b>Library</b> <sup>[1]</sup> - 5:15</p> <p><b>lifetime</b> <sup>[2]</sup> - 2:11, 61:13</p> <p><b>lifted</b> <sup>[1]</sup> - 55:4</p> <p><b>light</b> <sup>[1]</sup> - 31:19</p> <p><b>likely</b> <sup>[1]</sup> - 43:8</p> <p><b>limit</b> <sup>[1]</sup> - 50:22</p> <p><b>limited</b> <sup>[2]</sup> - 15:4, 36:10</p> <p><b>limits</b> <sup>[1]</sup> - 49:13</p> <p><b>line</b> <sup>[2]</sup> - 5:15, 42:19</p> <p><b>lines</b> <sup>[1]</sup> - 30:10</p> <p><b>list</b> <sup>[5]</sup> - 7:6, 7:10, 46:14, 58:20, 63:24</p> <p><b>listed</b> <sup>[1]</sup> - 47:2</p> <p><b>literally</b> <sup>[2]</sup> - 61:12, 61:17</p> <p><b>live</b> <sup>[3]</sup> - 54:16, 57:20, 60:24</p> <p><b>living</b> <sup>[1]</sup> - 49:22</p> <p><b>lobbied</b> <sup>[1]</sup> - 26:12</p> <p><b>local</b> <sup>[26]</sup> - 9:20, 9:21,</p>	<p>10:10, 10:12, 17:6, 17:13, 19:3, 22:18, 23:5, 24:8, 24:24, 24:25, 26:5, 26:10, 29:7, 31:15, 32:23, 32:24, 34:24, 35:4, 39:5, 40:11, 50:14, 52:3, 52:18, 53:8</p> <p><b>locally</b> <sup>[6]</sup> - 13:12, 23:9, 26:15, 42:11,</p>		

<p><b>necessary</b> [3] - 16:22, 25:15, 31:12</p> <p><b>need</b> [16] - 5:9, 7:24, 8:7, 11:25, 16:23, 25:8, 27:20, 28:10, 29:21, 31:6, 44:4, 57:21, 61:10, 62:10, 62:21</p> <p><b>needed</b> [1] - 31:13</p> <p><b>needs</b> [3] - 10:12, 48:14, 52:6</p> <p><b>negotiate</b> [1] - 44:25</p> <p><b>negotiated</b> [1] - 43:24</p> <p><b>negotiations</b> [1] - 12:15</p> <p><b>neighborhood</b> [1] - 61:25</p> <p><b>neighborhoods</b> [2] - 60:10, 61:21</p> <p><b>Network</b> [1] - 5:15</p> <p><b>network</b> [1] - 26:8</p> <p><b>new</b> [9] - 24:10, 25:24, 26:19, 28:2, 44:8, 44:15, 59:21, 62:23, 62:24</p> <p><b>newer</b> [2] - 14:16, 16:7</p> <p><b>next</b> [5] - 25:18, 25:20, 53:12, 60:21</p> <p><b>nice</b> [1] - 4:12</p> <p><b>nickel</b> [1] - 36:2</p> <p><b>nine</b> [2] - 25:20, 53:12</p> <p><b>North</b> [3] - 9:17, 29:13, 31:16</p> <p><b>notes</b> [1] - 65:9</p> <p><b>number</b> [3] - 27:11, 28:5, 50:21</p> <p><b>numbers</b> [1] - 32:2</p> <p><b>numerically</b> [1] - 28:13</p> <p><b>numerous</b> [1] - 60:8</p>	<p><b>once</b> [7] - 3:7, 8:17, 21:21, 47:22, 57:18, 57:24, 61:13</p> <p><b>once-in-our-lifetime</b> [1] - 61:13</p> <p><b>one</b> [20] - 4:21, 6:9, 7:11, 7:12, 8:5, 13:16, 15:12, 15:14, 17:5, 21:14, 26:20, 54:21, 55:2, 55:24, 56:13, 57:14, 57:17, 61:21</p> <p><b>one-pipe</b> [1] - 15:12</p> <p><b>ones</b> [1] - 56:3</p> <p><b>ongoing</b> [1] - 11:25</p> <p><b>Open</b> [3] - 4:10, 4:11, 46:12</p> <p><b>open</b> [3] - 27:25, 30:15, 30:16</p> <p><b>open-cut</b> [1] - 30:15</p> <p><b>opened</b> [1] - 5:24</p> <p><b>opens</b> [1] - 62:7</p> <p><b>opportunities</b> [3] - 60:19, 62:12, 62:20</p> <p><b>opportunity</b> [8] - 5:3, 5:13, 5:17, 59:12, 60:8, 60:16, 61:13, 63:14</p> <p><b>option</b> [3] - 22:21, 40:4, 60:11</p> <p><b>options</b> [11] - 18:11, 23:10, 23:23, 24:18, 28:15, 28:17, 28:25, 32:16, 38:18, 38:20, 62:7</p> <p><b>orally</b> [1] - 7:18</p> <p><b>order</b> [1] - 62:10</p> <p><b>orders</b> [1] - 18:3</p> <p><b>ordinances</b> [1] - 24:25</p> <p><b>organisms</b> [1] - 20:7</p> <p><b>original</b> [2] - 11:20, 35:17</p> <p><b>originally</b> [1] - 34:16</p> <p><b>overall</b> [4] - 28:6, 54:24, 55:8, 59:11</p> <p><b>overcome</b> [1] - 62:21</p> <p><b>overflow</b> [19] - 11:11, 12:22, 13:2, 13:22, 15:6, 18:12, 21:22, 23:6, 23:11, 27:12, 27:17, 28:18, 39:13, 39:18, 40:15, 40:22, 45:23, 56:19, 61:23</p> <p><b>overflowed</b> [1] - 55:4</p> <p><b>overflowing</b> [2] - 14:22, 19:20</p> <p><b>overflows</b> [15] - 4:16, 15:11, 15:24, 15:25, 16:6, 16:13, 17:11, 18:9, 20:5, 21:3, 22:5, 22:7, 28:20, 37:14, 55:17</p> <p><b>own</b> [3] - 19:25, 47:12, 56:18</p> <p><b>ownership</b> [1] - 24:24</p>	<p style="text-align: center;"><b>P</b></p> <p><b>P.E</b> [1] - 1:14</p> <p><b>PA</b> [2] - 1:10, 60:25</p> <p><b>packet</b> [1] - 57:12</p> <p><b>packets</b> [1] - 3:9</p> <p><b>paint</b> [1] - 42:14</p> <p><b>Panther</b> [1] - 34:4</p> <p><b>paper</b> [1] - 4:23</p> <p><b>parks</b> [1] - 62:2</p> <p><b>part</b> [14] - 3:12, 8:2, 20:24, 34:13, 34:15, 35:17, 35:21, 36:24, 37:8, 40:3, 40:7, 48:20, 56:14, 62:13</p> <p><b>participation</b> [1] - 64:3</p> <p><b>particular</b> [1] - 51:15</p> <p><b>particularly</b> [1] - 4:14</p> <p><b>partnerships</b> [1] - 62:24</p> <p><b>parts</b> [1] - 33:8</p> <p><b>party</b> [2] - 20:20, 34:14</p> <p><b>pass</b> [1] - 4:5</p> <p><b>past</b> [2] - 14:7, 20:12</p> <p><b>pavement</b> [1] - 44:8</p> <p><b>pay</b> [2] - 42:7, 50:23</p> <p><b>Penn</b> [2] - 48:23, 53:23</p> <p><b>Pennsylvania</b> [2] - 12:12, 26:6</p> <p><b>people</b> [8] - 5:18, 5:19, 6:19, 24:22, 24:23, 47:9, 50:11, 54:22</p> <p><b>per</b> [5] - 43:12, 49:21, 49:25, 50:21, 52:3</p> <p><b>percent</b> [30] - 11:24, 16:10, 35:18, 38:2, 38:4, 38:5, 38:7, 38:10, 41:10, 41:11, 41:12, 41:14, 41:17, 41:22, 42:12, 42:14, 42:16, 42:17, 43:6, 49:9, 49:10, 49:17, 50:9, 50:12, 50:13, 50:20, 50:21, 51:5, 51:6, 51:22</p> <p><b>percentage</b> [1] - 51:22</p> <p><b>performance</b> [1] - 28:16</p> <p><b>perimeter</b> [2] - 12:4, 30:24</p> <p><b>perimeters</b> [1] - 21:10</p> <p><b>period</b> [11] - 4:25, 6:7, 6:17, 6:25, 8:12, 8:16, 43:4, 45:17, 46:22, 48:3, 57:10</p> <p><b>periods</b> [2] - 44:25, 47:12</p> <p><b>permissible</b> [1] - 14:15</p> <p><b>permission</b> [1] - 57:4</p> <p><b>permit</b> [2] - 11:3, 13:3</p>	<p><b>pervious</b> [1] - 44:8</p> <p><b>Philadelphia</b> [1] - 60:12</p> <p><b>phones</b> [1] - 58:5</p> <p><b>pick</b> [1] - 5:21</p> <p><b>picture</b> [5] - 9:16, 26:25, 42:15, 53:13, 55:21</p> <p><b>piece</b> [1] - 4:23</p> <p><b>Pine</b> [1] - 26:14</p> <p><b>pipe</b> [6] - 15:12, 15:18, 17:10, 18:4, 30:17, 60:15</p> <p><b>pipes</b> [10] - 10:16, 19:19, 23:18, 25:9, 27:16, 30:11, 30:18, 34:8, 35:6, 35:7</p> <p><b>Pittsburgh</b> [10] - 9:17, 29:14, 30:3, 32:7, 41:20, 42:17, 53:18, 60:25, 62:15</p> <p><b>place</b> [2] - 6:6, 36:7</p> <p><b>places</b> [2] - 60:12</p> <p><b>PLAN</b> [1] - 1:6</p> <p><b>Plan</b> [9] - 5:12, 5:18, 9:14, 15:9, 23:25, 32:15, 36:17, 37:11</p> <p><b>plan</b> [56] - 2:13, 5:14, 13:13, 15:22, 17:2, 17:21, 18:17, 18:21, 22:24, 25:5, 25:7, 25:19, 27:8, 29:4, 29:13, 29:14, 31:11, 31:24, 32:18, 32:22, 32:24, 32:25, 33:2, 33:4, 33:6, 33:8, 33:11, 33:13, 33:17, 33:23, 34:20, 34:22, 34:23, 35:18, 36:6, 37:16, 39:3, 41:3, 41:9, 42:2, 42:9, 42:20, 43:14, 43:18, 43:21, 44:20, 45:21, 46:5, 46:9, 50:12, 56:8, 59:11, 59:13, 61:15, 62:14</p> <p><b>planning</b> [2] - 45:15, 55:25</p> <p><b>plans</b> [7] - 24:7, 27:3, 46:20, 53:5, 59:24, 60:18, 63:5</p> <p><b>plant</b> [22] - 9:16, 9:17, 11:20, 12:6, 23:18, 23:19, 26:20, 28:10, 29:20, 29:25, 33:14, 33:17, 33:25, 35:10, 35:11, 35:12, 35:21, 36:9, 36:18, 36:25</p> <p><b>plumbing</b> [2] - 14:7, 17:7</p> <p><b>podium</b> [1] - 54:10</p> <p><b>point</b> [13] - 6:24, 8:8, 8:23, 17:6, 17:16, 30:25, 33:25, 39:13, 43:4, 43:11, 43:22, 47:18, 58:14</p>	<p><b>points</b> [7] - 11:7, 13:2, 21:5, 21:6, 23:6, 57:14, 59:5</p> <p><b>policy</b> [1] - 15:10</p> <p><b>pollutants</b> [2] - 11:25, 35:19</p> <p><b>portion</b> [3] - 49:15, 49:16, 50:5</p> <p><b>potential</b> [1] - 20:16</p> <p><b>potentially</b> [1] - 62:5</p> <p><b>practices</b> [4] - 14:7, 22:19, 44:6, 44:8</p> <p><b>predominantly</b> [2] - 10:8, 19:15</p> <p><b>prepared</b> [1] - 61:2</p> <p><b>PRESENT</b> [1] - 1:13</p> <p><b>present</b> [3] - 2:8, 2:12, 4:8</p> <p><b>presentation</b> [11] - 6:25, 7:2, 7:14, 8:7, 8:11, 8:13, 9:13, 47:21, 51:11, 54:12, 56:23</p> <p><b>PRESENTATION</b> [1] - 1:7</p> <p><b>Presenter</b> [1] - 1:15</p> <p><b>presenting</b> [1] - 47:8</p> <p><b>pretty</b> [3] - 4:19, 13:15, 59:12</p> <p><b>Prevost</b> [2] - 2:22, 64:5</p> <p><b>primarily</b> [2] - 10:11, 19:6</p> <p><b>primary</b> [4] - 31:22, 35:17, 36:24, 37:7</p> <p><b>principles</b> [1] - 44:25</p> <p><b>private</b> [4] - 4:21, 6:17, 6:23, 54:25</p> <p><b>problem</b> [14] - 11:12, 12:21, 12:24, 16:14, 18:12, 21:21, 22:12, 23:8, 24:19, 28:4, 45:16, 61:23, 63:11</p> <p><b>problems</b> [5] - 14:18, 17:8, 17:14, 23:5, 56:19</p> <p><b>proceedings</b> [1] - 65:6</p> <p><b>PROCEEDINGS</b> [1] - 1:17</p> <p><b>process</b> [9] - 18:22, 19:25, 35:14, 35:24, 36:16, 37:9, 45:12, 45:15, 46:2</p> <p><b>product</b> [1] - 46:4</p> <p><b>Professional</b> [1] - 1:21</p> <p><b>program</b> [16] - 2:24, 3:2, 3:5, 7:4, 17:9, 17:15, 19:5, 40:21, 42:5, 44:13, 44:19, 44:23, 49:18, 51:8, 55:12</p> <p><b>programs</b> [6] - 17:17, 24:8, 26:17, 44:12, 55:13, 56:6</p> <p><b>Programs</b> [2] - 2:23,</p>
<p style="text-align: center;"><b>O</b></p> <p><b>objective</b> [1] - 17:9</p> <p><b>occur</b> [2] - 13:6, 21:22</p> <p><b>occurred</b> [1] - 54:21</p> <p><b>October</b> [4] - 7:11, 7:12, 46:23, 47:13</p> <p><b>OF</b> [2] - 1:17, 1:23</p> <p><b>offer</b> [1] - 63:25</p> <p><b>offered</b> [1] - 61:15</p> <p><b>offering</b> [1] - 60:3</p> <p><b>Office</b> [2] - 58:24, 59:4</p> <p><b>official</b> [2] - 2:18, 8:3</p> <p><b>officials</b> [2] - 19:4, 25:24</p> <p><b>often</b> [4] - 13:6, 15:5, 21:22, 28:19</p> <p><b>Ohio</b> [2] - 11:10, 36:13</p> <p><b>old</b> [4] - 10:8, 14:3, 18:5, 61:15</p> <p><b>older</b> [5] - 10:9, 10:19, 14:15, 15:11, 41:23</p> <p><b>Oliver</b> [1] - 42:13</p> <p><b>on-line</b> [1] - 5:15</p>				

<p>64:6  <b>progressive</b> [1] - 62:19  <b>PROHIBITED</b> [1] - 1:23  <b>project</b> [7] - 2:9, 2:10, 8:2, 8:3, 17:15, 62:7, 63:14  <b>promote</b> [1] - 59:11  <b>properties</b> [1] - 10:14  <b>property</b> [2] - 55:13, 62:3  <b>propose</b> [2] - 36:15, 38:9  <b>proposed</b> [4] - 17:17, 29:23, 34:17, 36:6  <b>proposing</b> [3] - 18:20, 23:24, 44:12  <b>Protection</b> [2] - 2:14, 12:13  <b>proved</b> [1] - 59:8  <b>provide</b> [15] - 5:11, 13:10, 16:15, 19:24, 22:4, 23:15, 25:14, 33:22, 34:18, 37:9, 47:11, 47:14, 57:5, 60:18, 61:24  <b>provided</b> [2] - 46:23, 47:4  <b>provides</b> [2] - 35:23, 36:16  <b>providing</b> [1] - 47:2  <b>provisions</b> [1] - 43:16  <b>PUBLIC</b> [2] - 1:3, 1:7  <b>public</b> [24] - 4:2, 4:18, 7:6, 7:7, 7:8, 7:9, 7:10, 7:16, 7:25, 18:19, 19:4, 21:18, 24:14, 25:24, 32:6, 41:25, 45:12, 46:13, 46:14, 47:6, 63:11, 64:11  <b>Public</b> [1] - 2:10  <b>pumped</b> [1] - 35:12  <b>pumping</b> [1] - 36:20  <b>purple</b> [2] - 30:10, 31:5  <b>purpose</b> [3] - 5:10, 31:22, 39:14  <b>purposes</b> [3] - 51:18, 51:20, 52:4  <b>pursuing</b> [1] - 62:22  <b>put</b> [4] - 17:20, 43:17, 57:21, 60:2</p>	<p>27:14, 27:16, 27:19, 28:17, 44:5  <b>question-and-answer</b> [2] - 7:2, 8:12  <b>questions</b> [14] - 2:25, 3:13, 5:8, 8:6, 8:10, 47:17, 47:20, 47:22, 47:23, 48:3, 54:11, 56:22, 61:21  <b>quickly</b> [1] - 4:19</p>	<p>35:7  <b>record</b> [6] - 2:18, 8:2, 8:3, 48:20, 60:2, 64:2  <b>recorded</b> [1] - 2:17  <b>recording</b> [1] - 6:15  <b>recreational</b> [3] - 20:11, 34:8, 44:17  <b>red</b> [3] - 41:10, 41:17, 52:24  <b>redevelopment</b> [3] - 20:15, 24:8, 24:25  <b>reduce</b> [2] - 39:18, 40:14  <b>reduced</b> [3] - 22:11, 40:22, 44:4  <b>reduces</b> [1] - 62:4  <b>reduction</b> [2] - 27:19, 62:23  <b>refine</b> [1] - 27:8  <b>refined</b> [1] - 27:3  <b>reflect</b> [1] - 27:8  <b>reflected</b> [1] - 27:23  <b>reflects</b> [2] - 34:23, 41:22  <b>refreshments</b> [1] - 47:25  <b>region</b> [20] - 9:10, 10:6, 12:24, 13:22, 14:4, 16:17, 16:19, 16:20, 24:2, 24:19, 26:12, 30:23, 31:8, 32:13, 33:19, 37:23, 41:5, 49:7, 62:18, 63:15  <b>regional</b> [3] - 16:24, 18:24, 40:11  <b>regions</b> [2] - 59:22, 59:23  <b>registered</b> [1] - 54:6  <b>Registered</b> [1] - 1:21  <b>registration</b> [1] - 3:15  <b>regulations</b> [13] - 11:16, 12:3, 12:17, 25:14, 32:19, 36:17, 37:5, 44:15, 44:16, 56:2, 56:3, 56:5, 56:12  <b>reinvestments</b> [1] - 59:20  <b>related</b> [3] - 9:14, 38:11, 56:4  <b>relates</b> [1] - 49:2  <b>relations</b> [1] - 59:3  <b>relationship</b> [4] - 14:23, 18:9, 20:5, 21:3  <b>relative</b> [1] - 56:22  <b>relocate</b> [1] - 34:7  <b>remaining</b> [3] - 6:10, 46:14, 64:10  <b>remarks</b> [1] - 4:4  <b>remember</b> [1] - 55:2  <b>removal</b> [1] - 26:13  <b>remove</b> [4] - 11:24, 22:16, 35:13, 38:21</p>	<p><b>removes</b> [1] - 35:18  <b>renegotiate</b> [4] - 32:25, 42:23, 43:17, 59:10  <b>renegotiated</b> [1] - 59:24  <b>repair</b> [2] - 37:19, 63:7  <b>report</b> [1] - 49:6  <b>Reported</b> [1] - 1:19  <b>REPORTER</b> [3] - 48:7, 48:10, 54:18  <b>Reporter</b> [1] - 1:21  <b>reporter</b> [2] - 48:13, 57:23  <b>reporters</b> [3] - 6:14, 8:15, 47:24  <b>REPRODUCTION</b> [1] - 1:23  <b>requested</b> [1] - 28:8  <b>required</b> [1] - 18:2  <b>requirements</b> [1] - 55:15  <b>requires</b> [1] - 21:4  <b>residences</b> [1] - 55:2  <b>resident</b> [1] - 54:17  <b>residential</b> [1] - 48:25  <b>residents</b> [1] - 59:22  <b>respond</b> [1] - 18:6  <b>responsible</b> [1] - 45:3  <b>responsibly</b> [3] - 38:8, 45:17, 45:24  <b>restroom</b> [1] - 48:2  <b>restrooms</b> [1] - 8:20  <b>return</b> [1] - 39:23  <b>review</b> [3] - 5:2, 8:4, 8:17  <b>revitalization</b> [1] - 62:4  <b>rewritten</b> [1] - 61:4  <b>rich</b> [1] - 63:12  <b>risk</b> [1] - 19:14  <b>risks</b> [1] - 21:17  <b>River</b> [5] - 11:9, 11:10, 19:21, 36:13  <b>river</b> [5] - 10:20, 34:5, 36:5, 36:10, 36:24  <b>Rivers</b> [3] - 26:5, 60:22, 61:2  <b>rivers</b> [25] - 9:23, 10:16, 10:17, 11:8, 13:11, 17:11, 18:10, 19:7, 19:12, 19:16, 19:24, 20:7, 20:16, 21:4, 21:6, 21:13, 21:17, 21:19, 28:22, 39:8, 44:17, 45:9, 45:20, 55:17, 61:18  <b>Road</b> [1] - 30:22  <b>road</b> [4] - 14:12, 35:15, 55:4, 56:10  <b>roads</b> [1] - 55:2  <b>rock</b> [1] - 30:3  <b>Rocks</b> [4] - 30:19, 36:12, 41:23, 42:13  <b>role</b> [1] - 25:12</p>	<p><b>roofs</b> [1] - 26:24  <b>room</b> [6] - 4:22, 6:19, 8:20, 8:21, 8:22, 58:17  <b>roughly</b> [2] - 11:24, 49:11  <b>round</b> [1] - 29:17  <b>Route</b> [1] - 36:11  <b>RPR</b> [1] - 65:16  <b>run</b> [2] - 5:22, 14:8  <b>Run</b> [2] - 11:9, 30:20  <b>runoff</b> [1] - 14:20  <b>runs</b> [2] - 14:23, 15:2</p>
<p><b>Q</b></p> <p><b>qualifies</b> [1] - 44:3  <b>quality</b> [9] - 12:6, 13:11, 19:7, 19:9, 19:12, 22:13, 32:10, 62:5, 63:10  <b>quantified</b> [2] - 14:20, 27:24  <b>quantify</b> [6] - 21:21,</p>	<p><b>R</b></p>	<p><b>railroad</b> [1] - 36:11  <b>rain</b> [3] - 11:5, 44:7, 62:2  <b>Rain</b> [1] - 44:2  <b>ramp</b> [1] - 32:6  <b>range</b> [3] - 39:19, 40:17, 52:8  <b>Rankin</b> [2] - 30:9, 50:16  <b>rate</b> [2] - 43:5, 54:22  <b>ratepayer</b> [6] - 38:4, 38:8, 42:6, 46:10, 49:12, 51:20  <b>ratepayers</b> [2] - 45:11, 49:2  <b>rates</b> [6] - 42:24, 49:5, 50:5, 51:2, 51:9, 52:16  <b>RE</b> [1] - 1:5  <b>reach</b> [1] - 43:11  <b>reaching</b> [1] - 45:22  <b>realized</b> [1] - 30:24  <b>really</b> [16] - 3:15, 4:12, 4:25, 8:7, 17:3, 22:2, 30:16, 50:18, 51:13, 55:7, 58:7, 60:11, 61:8, 61:9, 63:18, 63:19  <b>reasonable</b> [1] - 50:23  <b>reasons</b> [1] - 42:2  <b>reassess</b> [1] - 44:21  <b>rebuild</b> [1] - 38:22  <b>receive</b> [2] - 29:18, 37:4  <b>received</b> [1] - 26:12  <b>receiving</b> [3] - 7:15, 13:8, 13:19  <b>recently</b> [1] - 53:24  <b>recess</b> [1] - 57:7  <b>recognize</b> [1] - 45:3  <b>recognized</b> [2] - 29:21, 37:18  <b>recognizing</b> [1] - 44:19  <b>recommend</b> [1] - 41:24  <b>recommended</b> [1] - 34:12  <b>recommending</b> [1] - 33:4  <b>reconstructed</b> [1] -</p>	<p><b>S</b></p>	
	<p><b>railroad</b> [1] - 36:11  <b>rain</b> [3] - 11:5, 44:7, 62:2  <b>Rain</b> [1] - 44:2  <b>ramp</b> [1] - 32:6  <b>range</b> [3] - 39:19, 40:17, 52:8  <b>Rankin</b> [2] - 30:9, 50:16  <b>rate</b> [2] - 43:5, 54:22  <b>ratepayer</b> [6] - 38:4, 38:8, 42:6, 46:10, 49:12, 51:20  <b>ratepayers</b> [2] - 45:11, 49:2  <b>rates</b> [6] - 42:24, 49:5, 50:5, 51:2, 51:9, 52:16  <b>RE</b> [1] - 1:5  <b>reach</b> [1] - 43:11  <b>reaching</b> [1] - 45:22  <b>realized</b> [1] - 30:24  <b>really</b> [16] - 3:15, 4:12, 4:25, 8:7, 17:3, 22:2, 30:16, 50:18, 51:13, 55:7, 58:7, 60:11, 61:8, 61:9, 63:18, 63:19  <b>reasonable</b> [1] - 50:23  <b>reasons</b> [1] - 42:2  <b>reassess</b> [1] - 44:21  <b>rebuild</b> [1] - 38:22  <b>receive</b> [2] - 29:18, 37:4  <b>received</b> [1] - 26:12  <b>receiving</b> [3] - 7:15, 13:8, 13:19  <b>recently</b> [1] - 53:24  <b>recess</b> [1] - 57:7  <b>recognize</b> [1] - 45:3  <b>recognized</b> [2] - 29:21, 37:18  <b>recognizing</b> [1] - 44:19  <b>recommend</b> [1] - 41:24  <b>recommended</b> [1] - 34:12  <b>recommending</b> [1] - 33:4  <b>reconstructed</b> [1] -</p>	<p><b>region</b> [20] - 9:10, 10:6, 12:24, 13:22, 14:4, 16:17, 16:19, 16:20, 24:2, 24:19, 26:12, 30:23, 31:8, 32:13, 33:19, 37:23, 41:5, 49:7, 62:18, 63:15  <b>regional</b> [3] - 16:24, 18:24, 40:11  <b>regions</b> [2] - 59:22, 59:23  <b>registered</b> [1] - 54:6  <b>Registered</b> [1] - 1:21  <b>registration</b> [1] - 3:15  <b>regulations</b> [13] - 11:16, 12:3, 12:17, 25:14, 32:19, 36:17, 37:5, 44:15, 44:16, 56:2, 56:3, 56:5, 56:12  <b>reinvestments</b> [1] - 59:20  <b>related</b> [3] - 9:14, 38:11, 56:4  <b>relates</b> [1] - 49:2  <b>relations</b> [1] - 59:3  <b>relationship</b> [4] - 14:23, 18:9, 20:5, 21:3  <b>relative</b> [1] - 56:22  <b>relocate</b> [1] - 34:7  <b>remaining</b> [3] - 6:10, 46:14, 64:10  <b>remarks</b> [1] - 4:4  <b>remember</b> [1] - 55:2  <b>removal</b> [1] - 26:13  <b>remove</b> [4] - 11:24, 22:16, 35:13, 38:21</p>	<p><b>s/Tricia</b> [1] - 65:16  <b>safe</b> [1] - 20:3  <b>safety</b> [1] - 21:18  <b>sampling</b> [1] - 21:5  <b>Sandcastle</b> [3] - 19:21, 32:8, 34:7  <b>SANITARY</b> [1] - 1:2  <b>Sanitary</b> [1] - 2:7  <b>sanitary</b> [6] - 14:9, 14:14, 15:18, 15:24, 16:5, 16:8  <b>save</b> [2] - 59:8, 63:7  <b>saved</b> [1] - 54:24  <b>savings</b> [1] - 59:11  <b>Saw</b> [2] - 11:9, 30:20  <b>saw</b> [3] - 39:3, 46:14, 53:22  <b>schedule</b> [4] - 3:20, 20:24, 52:5, 64:10  <b>scheduled</b> [1] - 7:7  <b>scope</b> [1] - 44:22  <b>Scott</b> [1] - 64:6  <b>scribbled</b> [1] - 61:3  <b>Second</b> [1] - 34:4  <b>second</b> [2] - 35:6, 36:20  <b>secondary</b> [5] - 11:23, 29:18, 35:21, 37:2, 37:8  <b>section</b> [1] - 25:4  <b>sediment</b> [1] - 35:15  <b>see</b> [26] - 5:13, 8:19, 9:8, 18:14, 22:13, 23:21, 25:4, 32:14, 33:3, 33:11, 33:18, 34:22, 36:8, 36:9, 37:11, 40:12, 40:15, 42:24, 43:5, 53:21, 55:7, 57:5, 60:14, 62:21, 62:22, 63:19  <b>seeing</b> [4] - 33:8, 39:24, 40:13, 43:23  <b>select</b> [1] - 33:23  <b>selected</b> [2] - 29:4, 40:4  <b>send</b> [2] - 22:24, 35:16  <b>sense</b> [1] - 40:17  <b>sensitive</b> [2] - 32:2, 34:6</p>	

<p><b>sent</b> [1] - 25:13  <b>separate</b> [7] - 15:16, 16:8, 18:3, 19:25, 24:10, 56:2, 56:3  <b>September</b> [3] - 1:10, 4:12, 46:12  <b>series</b> [6] - 10:15, 18:21, 23:14, 29:23, 38:19, 46:11  <b>serve</b> [2] - 10:11, 60:13  <b>service</b> [14] - 12:3, 12:5, 12:20, 19:18, 20:25, 21:24, 27:2, 37:24, 50:8, 51:24, 52:7, 52:8, 56:15  <b>servicing</b> [1] - 17:7  <b>session</b> [3] - 6:15, 6:16, 7:2  <b>set</b> [7] - 6:18, 11:15, 25:16, 38:7, 38:14, 51:7, 56:3  <b>sets</b> [1] - 49:9  <b>settle</b> [1] - 20:21  <b>settled</b> [1] - 20:22  <b>seven</b> [1] - 44:21  <b>several</b> [2] - 9:11, 24:15  <b>sewage</b> [3] - 49:14, 49:20, 50:24  <b>sewer</b> [22] - 4:16, 9:20, 10:8, 10:11, 10:22, 13:18, 14:10, 15:11, 15:16, 15:24, 16:5, 16:8, 16:12, 22:18, 26:19, 29:24, 30:21, 31:7, 31:15, 38:22, 51:2  <b>sewers</b> [4] - 9:21, 12:25, 14:5, 14:11  <b>share</b> [2] - 23:23, 45:25  <b>shared</b> [1] - 35:5  <b>Sharpsburg</b> [1] - 31:16  <b>sheets</b> [1] - 46:12  <b>Sheraton</b> [1] - 7:11  <b>Shore</b> [1] - 31:16  <b>short</b> [2] - 17:19, 62:6  <b>Short</b> [1] - 57:7  <b>show</b> [2] - 28:24, 32:18  <b>showing</b> [6] - 29:11, 35:2, 40:4, 40:19, 41:3, 52:23  <b>shows</b> [1] - 29:4  <b>Side</b> [3] - 9:17, 29:13, 32:7  <b>side</b> [1] - 40:2  <b>sift</b> [1] - 23:21  <b>significant</b> [5] - 10:7, 18:14, 30:18, 40:13, 41:12  <b>similarly</b> [1] - 42:14  <b>simple</b> [2] - 50:18, 54:16</p>	<p><b>simply</b> [1] - 38:25  <b>single</b> [1] - 7:9  <b>site</b> [1] - 36:9  <b>sitting</b> [1] - 57:16  <b>six</b> [1] - 46:18  <b>size</b> [3] - 30:14, 31:4, 39:2  <b>sized</b> [1] - 23:2  <b>sizes</b> [1] - 28:11  <b>slides</b> [1] - 33:6  <b>slopes</b> [1] - 62:17  <b>small</b> [2] - 10:21, 15:18  <b>snow</b> [1] - 11:6  <b>snow-melt</b> [1] - 11:6  <b>social</b> [1] - 46:17  <b>sodium</b> [1] - 36:2  <b>sodium-nickel</b> [1] - 36:2  <b>soil</b> [1] - 62:17  <b>soliciting</b> [1] - 2:15  <b>solution</b> [4] - 22:2, 23:24, 29:2, 38:24  <b>solutions</b> [2] - 23:14, 27:14  <b>solve</b> [1] - 63:10  <b>someone</b> [3] - 46:15, 56:7, 64:12  <b>sometimes</b> [2] - 10:14, 14:13  <b>somewhere</b> [2] - 11:22, 41:11  <b>sorry</b> [7] - 6:5, 8:25, 48:11, 54:3, 55:18, 56:8, 63:18  <b>source</b> [8] - 23:25, 24:5, 25:3, 25:6, 27:4, 27:18, 60:10, 62:23  <b>source-control</b> [2] - 27:4, 27:18  <b>sources</b> [1] - 14:19  <b>South</b> [1] - 32:7  <b>sparks</b> [1] - 62:3  <b>sparse</b> [1] - 10:15  <b>speaker</b> [3] - 58:6, 58:12, 58:20  <b>speakers</b> [4] - 9:6, 9:8, 54:6, 63:24  <b>speaks</b> [1] - 41:17  <b>specifically</b> [1] - 19:19  <b>spell</b> [1] - 54:19  <b>spend</b> [3] - 33:9, 39:22, 63:9  <b>spending</b> [1] - 40:13  <b>spent</b> [1] - 55:21  <b>splinters</b> [1] - 36:9  <b>spread</b> [2] - 49:20, 53:3  <b>sprinkling</b> [1] - 25:7  <b>Square</b> [1] - 7:12  <b>SSO</b> [2] - 16:5, 22:9  <b>SSOs</b> [3] - 15:23, 31:12, 31:22  <b>staff</b> [1] - 2:16</p>	<p><b>stakeholder</b> [1] - 18:25  <b>standard</b> [1] - 20:2  <b>standards</b> [6] - 19:13, 19:15, 21:13, 21:15, 22:8, 22:13  <b>standing</b> [2] - 9:21, 58:16  <b>standpoint</b> [1] - 40:18  <b>start</b> [3] - 40:12, 53:15, 57:9  <b>started</b> [4] - 3:2, 12:15, 39:13, 58:14  <b>starting</b> [1] - 33:25  <b>starts</b> [2] - 15:9, 40:16  <b>state</b> [7] - 11:4, 18:3, 21:12, 48:18, 57:19, 57:22, 57:24  <b>statement</b> [1] - 61:3  <b>station</b> [1] - 36:20  <b>Station</b> [1] - 7:11  <b>stay</b> [4] - 6:21, 9:6, 9:7, 36:20  <b>Steel</b> [2] - 41:18, 42:11  <b>stenographer</b> [1] - 54:14  <b>stenographic</b> [1] - 65:9  <b>stepping</b> [1] - 38:17  <b>still</b> [19] - 20:4, 28:20, 30:10, 30:13, 31:20, 33:13, 34:5, 35:3, 37:2, 39:18, 41:12, 42:9, 42:10, 42:11, 42:16, 42:19, 45:18, 45:21, 53:10  <b>stop</b> [1] - 47:14  <b>stops</b> [1] - 44:20  <b>storage</b> [6] - 23:15, 28:12, 31:2, 31:9, 31:17, 34:17  <b>store</b> [1] - 31:22  <b>storm</b> [8] - 11:5, 14:10, 14:11, 18:6, 19:10, 23:17, 29:8, 38:22  <b>stormwater</b> [15] - 15:13, 15:18, 16:10, 22:17, 22:18, 24:9, 27:6, 38:21, 44:6, 55:6, 56:2, 56:12, 56:15, 61:22, 62:13  <b>stream</b> [2] - 13:19, 26:13  <b>streams</b> [21] - 9:23, 10:16, 10:17, 11:8, 13:8, 13:11, 13:24, 17:11, 18:10, 21:4, 21:7, 21:13, 26:14, 28:22, 35:14, 36:24, 39:8, 44:17, 45:9, 45:20, 55:17  <b>Street</b> [1] - 60:24  <b>street</b> [1] - 57:19  <b>Strip</b> [1] - 34:2</p>	<p><b>strong</b> [1] - 36:3  <b>study</b> [2] - 12:24, 25:17  <b>submit</b> [2] - 25:17  <b>submitted</b> [3] - 2:14, 2:19, 8:3  <b>suburban</b> [2] - 15:17, 16:6  <b>suburbs</b> [1] - 10:21  <b>successful</b> [1] - 26:9  <b>summer</b> [1] - 20:12  <b>supplement</b> [2] - 31:8, 31:14  <b>supplies</b> [1] - 19:22  <b>supply</b> [1] - 32:5  <b>support</b> [4] - 16:22, 32:13, 42:25, 43:14  <b>supporting</b> [1] - 38:11  <b>supposed</b> [3] - 15:19, 16:8, 17:18  <b>surface</b> [2] - 14:24, 30:16  <b>surfaces</b> [1] - 15:3  <b>survey</b> [2] - 3:11, 5:7  <b>sustain</b> [2] - 16:17, 19:8  <b>system</b> [21] - 9:23, 9:24, 10:24, 10:25, 11:2, 11:14, 13:3, 14:3, 14:10, 14:14, 15:12, 16:11, 22:6, 23:2, 23:16, 28:6, 29:22, 30:25, 31:7, 40:7  <b>system-wide</b> [1] - 28:6  <b>systems</b> [12] - 10:8, 10:11, 10:22, 11:10, 13:5, 16:7, 22:18, 24:4, 24:10, 27:6, 38:22, 38:23</p>	<p>58:8, 60:14  <b>testimony</b> [5] - 47:2, 47:7, 47:12, 57:2, 57:5  <b>THE</b> [4] - 1:24, 48:7, 48:10, 54:18  <b>thinking</b> [1] - 5:25  <b>third</b> [2] - 20:20, 34:14  <b>third-party</b> [2] - 20:20, 34:14  <b>THIS</b> [1] - 1:23  <b>thoughts</b> [2] - 4:5, 47:3  <b>three</b> [8] - 5:19, 6:7, 23:10, 27:23, 55:3, 57:5, 57:15, 58:9  <b>Three</b> [1] - 26:4  <b>threshold</b> [1] - 39:10  <b>throughout</b> [2] - 12:20, 31:8  <b>tied</b> [2] - 13:25, 14:13  <b>Tim</b> [2] - 2:22, 64:5  <b>timekeeper</b> [3] - 5:24, 6:2, 6:5  <b>timer</b> [1] - 57:15  <b>today</b> [25] - 2:12, 3:8, 5:22, 7:21, 9:11, 9:21, 10:2, 10:21, 11:13, 17:19, 25:6, 25:16, 35:11, 40:6, 43:9, 45:25, 46:24, 50:3, 50:5, 51:6, 52:22, 53:2, 58:25, 59:15, 59:24  <b>together</b> [5] - 13:18, 17:21, 26:6, 45:14, 56:17  <b>took</b> [2] - 40:10, 50:13  <b>touch</b> [3] - 10:4, 18:19, 21:20  <b>towards</b> [4] - 9:22, 13:19, 35:8, 60:7  <b>Township</b> [1] - 48:23  <b>tracks</b> [1] - 36:12  <b>TRANSCRIPT</b> [2] - 1:17, 1:23  <b>transcript</b> [1] - 65:12  <b>treat</b> [2] - 9:25, 10:2  <b>treated</b> [1] - 62:19  <b>treatment</b> [18] - 10:7, 11:18, 11:20, 11:23, 11:24, 15:4, 19:25, 22:5, 25:15, 29:18, 33:22, 34:19, 35:13, 35:17, 35:24, 37:4, 37:13, 56:4  <b>trees</b> [1] - 24:13  <b>treescapes</b> [1] - 24:13  <b>trench</b> [1] - 30:17  <b>triangle</b> [1] - 40:20  <b>triangles</b> [1] - 32:5  <b>Trib</b> [1] - 53:23  <b>Tricia</b> [2] - 1:20, 6:16  <b>tried</b> [11] - 11:4, 24:6, 24:14, 24:17, 25:23, 36:14, 38:21, 50:16,</p>
<b>T</b>				
<p><b>table</b> [2] - 3:14, 60:21  <b>Tamilia</b> [3] - 1:13, 2:6, 5:24  <b>TAMILIA</b> [10] - 2:4, 48:12, 48:19, 51:17, 51:25, 54:5, 58:13, 58:19, 60:5, 63:23  <b>tangible</b> [1] - 61:20  <b>tank</b> [1] - 35:25  <b>tanks</b> [1] - 31:9  <b>taxpayers</b> [1] - 63:16  <b>technically</b> [1] - 44:22  <b>technologies</b> [2] - 24:11, 24:12  <b>technology</b> [3] - 25:25, 28:6, 30:4  <b>term</b> [1] - 62:6  <b>terms</b> [15] - 12:22, 21:21, 23:11, 31:25, 39:11, 39:12, 40:21, 41:16, 49:5, 49:6, 49:9, 49:12, 50:7,</p>	<p><b>table</b> [2] - 3:14, 60:21  <b>Tamilia</b> [3] - 1:13, 2:6, 5:24  <b>TAMILIA</b> [10] - 2:4, 48:12, 48:19, 51:17, 51:25, 54:5, 58:13, 58:19, 60:5, 63:23  <b>tangible</b> [1] - 61:20  <b>tank</b> [1] - 35:25  <b>tanks</b> [1] - 31:9  <b>taxpayers</b> [1] - 63:16  <b>technically</b> [1] - 44:22  <b>technologies</b> [2] - 24:11, 24:12  <b>technology</b> [3] - 25:25, 28:6, 30:4  <b>term</b> [1] - 62:6  <b>terms</b> [15] - 12:22, 21:21, 23:11, 31:25, 39:11, 39:12, 40:21, 41:16, 49:5, 49:6, 49:9, 49:12, 50:7,</p>			

<p>52:20, 52:21, 52:25  <b>tries</b> [1] - 39:21  <b>trunk</b> [1] - 31:7  <b>try</b> [15] - 5:21, 9:12, 9:13, 18:11, 21:23, 22:20, 28:25, 39:22, 41:8, 44:10, 44:12, 48:24, 52:15, 64:11  <b>trying</b> [19] - 12:16, 16:3, 16:21, 17:2, 17:20, 20:14, 23:15, 26:18, 27:25, 34:7, 38:12, 43:15, 43:19, 45:14, 45:15, 45:25, 46:11, 56:18, 62:24  <b>tune</b> [1] - 29:15  <b>tunnel</b> [10] - 29:25, 30:2, 30:4, 30:21, 31:15, 31:20, 33:24, 39:2, 39:6, 40:11  <b>tunnels</b> [1] - 29:23  <b>turn</b> [2] - 16:2, 58:5  <b>turning</b> [1] - 40:16  <b>Turtle</b> [4] - 1:10, 11:8, 16:19, 41:19  <b>two</b> [5] - 6:14, 7:10, 7:13, 26:7, 52:15  <b>twofold</b> [1] - 24:20  <b>types</b> [7] - 14:18, 24:4, 27:20, 44:8, 47:2, 55:13, 56:6</p>	<p>62:7, 63:25  <b>upgrade</b> [2] - 11:17, 12:2  <b>upgraded</b> [2] - 11:20, 11:21  <b>upper</b> [3] - 31:14, 33:21, 34:13  <b>urban</b> [4] - 10:9, 10:21, 13:24, 15:12  <b>USEPA</b> [1] - 8:4  <b>uses</b> [5] - 19:15, 20:8, 20:9, 21:19  <b>utilize</b> [1] - 36:6</p>	<p>15:10  <b>water</b> [16] - 13:10, 19:7, 19:9, 19:12, 19:22, 19:23, 19:24, 20:3, 20:8, 22:12, 32:5, 32:10, 52:2, 63:10  <b>ways</b> [5] - 28:5, 62:25, 63:6, 63:12, 63:20  <b>Weather</b> [11] - 2:23, 5:12, 5:18, 9:14, 15:9, 23:25, 32:15, 36:17, 37:11, 64:6  <b>weather</b> [11] - 11:2, 11:4, 11:5, 11:11, 12:23, 13:7, 23:3, 24:16, 34:19, 37:5  <b>WEATHER</b> [1] - 1:6  <b>website</b> [3] - 5:16, 46:5, 46:17  <b>websites</b> [1] - 47:4  <b>Wednesday</b> [1] - 1:10  <b>welcome</b> [3] - 46:3, 56:21, 60:8  <b>welcoming</b> [1] - 64:13  <b>WESNER</b> [5] - 54:15, 54:20, 55:20, 56:9, 56:20  <b>Wesner</b> [1] - 54:15  <b>WET</b> [1] - 1:6  <b>wet</b> [8] - 11:5, 11:11, 12:23, 13:22, 23:2, 24:16, 34:19, 37:4  <b>Wet</b> [11] - 2:23, 5:11, 5:17, 9:14, 15:8, 23:24, 32:15, 36:16, 37:10, 64:6  <b>wetland</b> [1] - 21:7  <b>whole</b> [3] - 25:4, 33:19, 55:21  <b>wide</b> [1] - 28:6  <b>Williams</b> [2] - 58:16, 64:7  <b>WILLIAMS</b> [1] - 58:18  <b>willing</b> [1] - 32:25  <b>WITHOUT</b> [1] - 1:24  <b>word</b> [1] - 54:22  <b>Works</b> [1] - 2:10  <b>worse</b> [1] - 53:14  <b>worth</b> [1] - 32:23  <b>written</b> [1] - 7:19  <b>www.alcosan.org</b> [1] - 5:16</p>	<p>37:18, 44:21, 46:19, 54:2, 55:3  <b>yellow</b> [3] - 32:6, 41:11, 42:15</p>
<p><b>U</b></p>	<p><b>V</b></p>		
<p><b>ultimate</b> [1] - 62:11  <b>unavoidable</b> [1] - 43:6  <b>under</b> [21] - 13:3, 13:7, 15:7, 18:5, 24:20, 29:24, 30:12, 31:10, 33:22, 36:19, 37:5, 37:10, 41:9, 42:2, 45:20, 49:12, 49:17, 50:16, 55:15, 56:7, 61:17  <b>underground</b> [2] - 23:15, 61:16  <b>underneath</b> [1] - 35:11  <b>understood</b> [1] - 38:13  <b>unique</b> [1] - 62:16  <b>unit</b> [1] - 49:22  <b>unless</b> [1] - 8:7  <b>unsure</b> [1] - 15:3  <b>untreated</b> [3] - 12:23, 14:21, 55:17  <b>up</b> [30] - 4:8, 5:20, 5:22, 5:25, 6:9, 6:11, 6:18, 10:2, 13:4, 15:8, 20:24, 30:7, 31:17, 33:25, 34:2, 34:3, 35:7, 36:11, 37:3, 40:13, 40:16, 43:5, 48:17, 55:4, 55:6, 58:3, 58:12,</p>	<p><b>Valley</b> [2] - 41:18, 42:11  <b>valley</b> [1] - 13:15  <b>valleys</b> [1] - 23:6  <b>value</b> [2] - 39:23, 39:24  <b>values</b> [1] - 62:3  <b>variation</b> [2] - 14:17, 40:9  <b>variations</b> [2] - 23:22, 39:2  <b>varied</b> [1] - 28:25  <b>varies</b> [4] - 37:24, 41:7, 50:2, 52:14  <b>various</b> [13] - 21:6, 22:14, 24:3, 28:5, 28:11, 32:4, 32:16, 38:18, 38:19, 40:5, 46:17, 46:25, 49:2  <b>vary</b> [6] - 43:13, 50:4, 50:10, 52:18, 53:10, 54:3  <b>varying</b> [1] - 50:25  <b>Verona</b> [1] - 31:18  <b>versa</b> [1] - 59:17  <b>vice</b> [1] - 59:17  <b>violates</b> [1] - 21:14  <b>visible</b> [1] - 61:20  <b>volume</b> [1] - 16:14  <b>volumes</b> [2] - 28:18, 31:25</p>	<p><b>water</b> [16] - 13:10, 19:7, 19:9, 19:12, 19:22, 19:23, 19:24, 20:3, 20:8, 22:12, 32:5, 32:10, 52:2, 63:10  <b>ways</b> [5] - 28:5, 62:25, 63:6, 63:12, 63:20  <b>Weather</b> [11] - 2:23, 5:12, 5:18, 9:14, 15:9, 23:25, 32:15, 36:17, 37:11, 64:6  <b>weather</b> [11] - 11:2, 11:4, 11:5, 11:11, 12:23, 13:7, 23:3, 24:16, 34:19, 37:5  <b>WEATHER</b> [1] - 1:6  <b>website</b> [3] - 5:16, 46:5, 46:17  <b>websites</b> [1] - 47:4  <b>Wednesday</b> [1] - 1:10  <b>welcome</b> [3] - 46:3, 56:21, 60:8  <b>welcoming</b> [1] - 64:13  <b>WESNER</b> [5] - 54:15, 54:20, 55:20, 56:9, 56:20  <b>Wesner</b> [1] - 54:15  <b>WET</b> [1] - 1:6  <b>wet</b> [8] - 11:5, 11:11, 12:23, 13:22, 23:2, 24:16, 34:19, 37:4  <b>Wet</b> [11] - 2:23, 5:11, 5:17, 9:14, 15:8, 23:24, 32:15, 36:16, 37:10, 64:6  <b>wetland</b> [1] - 21:7  <b>whole</b> [3] - 25:4, 33:19, 55:21  <b>wide</b> [1] - 28:6  <b>Williams</b> [2] - 58:16, 64:7  <b>WILLIAMS</b> [1] - 58:18  <b>willing</b> [1] - 32:25  <b>WITHOUT</b> [1] - 1:24  <b>word</b> [1] - 54:22  <b>Works</b> [1] - 2:10  <b>worse</b> [1] - 53:14  <b>worth</b> [1] - 32:23  <b>written</b> [1] - 7:19  <b>www.alcosan.org</b> [1] - 5:16</p>	
<p><b>U</b></p>	<p><b>W</b></p>		
<p><b>ultimate</b> [1] - 62:11  <b>unavoidable</b> [1] - 43:6  <b>under</b> [21] - 13:3, 13:7, 15:7, 18:5, 24:20, 29:24, 30:12, 31:10, 33:22, 36:19, 37:5, 37:10, 41:9, 42:2, 45:20, 49:12, 49:17, 50:16, 55:15, 56:7, 61:17  <b>underground</b> [2] - 23:15, 61:16  <b>underneath</b> [1] - 35:11  <b>understood</b> [1] - 38:13  <b>unique</b> [1] - 62:16  <b>unit</b> [1] - 49:22  <b>unless</b> [1] - 8:7  <b>unsure</b> [1] - 15:3  <b>untreated</b> [3] - 12:23, 14:21, 55:17  <b>up</b> [30] - 4:8, 5:20, 5:22, 5:25, 6:9, 6:11, 6:18, 10:2, 13:4, 15:8, 20:24, 30:7, 31:17, 33:25, 34:2, 34:3, 35:7, 36:11, 37:3, 40:13, 40:16, 43:5, 48:17, 55:4, 55:6, 58:3, 58:12,</p>	<p><b>w-E-S-N-E-R</b> [1] - 54:21  <b>Wagner</b> [2] - 59:4, 59:6  <b>warning</b> [1] - 57:25  <b>Washington</b> [1] - 30:7  <b>Washington's</b> [3] - 19:20, 32:4, 34:9  <b>waste/stormwater</b> [1] - 10:13  <b>wastewater</b> [7] - 9:18, 10:7, 12:23, 14:21, 15:13, 50:22, 56:5  <b>Water</b> [2] - 11:16,</p>	<p><b>Y</b></p>	<p><b>year</b> [11] - 20:11, 25:18, 25:20, 29:17, 40:6, 44:20, 49:16, 50:4, 50:7, 50:22, 55:8  <b>year-round</b> [1] - 29:17  <b>years</b> [12] - 9:11, 11:14, 12:15, 14:4, 17:19, 24:15, 26:11,</p>

1  
2  
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ALLEGHENY COUNTY SANITARY AUTHORITY (ALCOSAN)

PUBLIC MEETING

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IN RE:

ALCOSAN DRAFT WET  
WEATHER PLAN  
INDIVIDUAL COMMENTS,  
PRIVATE COMMENT AREA

- - - - -

Hilltop Hall  
Harper Drive  
Turtle Creek, PA 15145  
Wednesday; September 16, 2012  
9:30 a.m.

- - - - -

BEFORE: Joseph Day, Government Relations  
Specialist, ALCOSAN

- - - - -

TRANSCRIPT OF PROCEEDINGS

- - - - -

Reported by:

Christopher G. Gray  
Court Reporter

- - - - -

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P R O C E E D I N G S

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(On Wednesday, September 5, 2012,  
at Hilltop Hall, Harper Drive, Turtle Creek,  
Pennsylvania, 15145, the private comment area  
for individual comments was open and available  
for testimony from 9:30 a.m. to 10:55 a.m. No  
individuals appeared during the allotted time  
to give testimony.)

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C E R T I F I C A T E

I hereby certify that the  
proceedings and evidence are contained  
fully and accurately in the  
stenographic notes taken by me on the  
hearing of the within cause and that  
this is a correct transcript of the  
same.

S/Christopher G. Gray

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