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COMMONWEALTH OF PENNSYLVANIA
GOVERNOR'S
SUSTAINABLE INFRASTRUCTURE TASK FORCE

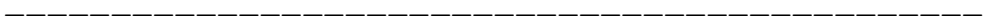
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400 MARKET STREET
ROOM 105
HARRISBURG, PENNSYLVANIA

THURSDAY, MAY 8, 2008
11:00 A.M.

PUBLIC INPUT SESSION

BEFORE TASK FORCE MEMBERS:

- SECRETARY KATHLEEN MCGINTY, TASK FORCE CHAIR
- DEPUTY SECRETARY CATHY CURRAN MYERS
- DONNA COOPER, SECRETARY OF POLICY AND PLANNING
- MR. PAUL MARCHETTI
- MR. SONNY POPOWSKY, CONSUMER ADVOCATE
- HONORABLE SCOTT HUTCHINSON, REPRESENTATIVE
- HONORABLE ROBERT FREEMAN, REPRESENTATIVE
- HONORABLE STANLEY SAYLOR, REPRESENTATIVE
- MR. KARL BROWN
- MR. TERRY KAUFFMAN



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(CONT'D)
MR. WILLIAM INKS
MR. GEORGE CRUM
MR. DOUGLAS BOWEN
MS. GINNIE ANDERSON KANE
MS. SALLY B. HOLBERT
MS. KATHY PAPE
MR. EDWARD TROXELL
MR. RICHARD MARCINKEVAGE
MR. TOM CERASO
MR. LESTER HOUCK
MR. DONALD BLUEDORN
ALTERNATE TOM KUHN
ALTERNATE STEVE DRIZOS
ALTERNATE TY GOURLEY

ALSO PRESENT:

MS. GAYLE MILLS, SENATOR SPECTER'S OFFICE
MR. KEVIN STANTON, SENATOR CASEY'S OFFICE
MR. MARCUS KOHL
MR. DANA AUNKST
MR. SCOTT PAUCHNIK
MR. JOE DEKLINSKI

BRENDA S. HAMILTON, RPR
REPORTER - NOTARY PUBLIC

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P R O C E E D I N G S

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3 SECRETARY MCGINTY: That must be
4 lunch coming, but I do understand for the task
5 force members and the presenters that there is
6 some chow, there's some lunch that will come.
7 But not yet. We'll have to work for it
8 first.

9 Why don't we do this? Let's go
10 around the table and do introductions of task
11 force members. I wanted to do two things
12 today. One is to give all of you a general
13 update in terms of the work items that we set
14 forth in our last meeting and fill you in on
15 where we are on these things.

16 And, obviously, our second and big
17 agenda item is to hear from the individuals
18 and organizations who are going to share their
19 perspective with us today.

20 So let me kick this off. I'm
21 Kathleen McGinty, Secretary of the Department
22 of Environmental Protection.

23 DEPUTY SECRETARY MYERS: I'm Cathy
24 Curran Myers. I'm Deputy Secretary for Water
25 Management.

1 MR. TROXELL: Ed Troxell with the
2 Boroughs Association.

3 MS. PAPE: Kathy Pape. I'm president
4 of American Water. I'm representing the
5 National Association of Water Companies and
6 AWWA.

7 MR. POPOWSKY: I'm Sonny Popowsky.
8 I'm the Consumer Advocate of Pennsylvania.

9 MR. HOUCK: Les Houck, Salisbury
10 Township of Lancaster County representing the
11 state association.

12 MR. KAUFFMAN: Terry Kauffman,
13 Administrator for Mount Joy Borough Authority,
14 Lancaster County.

15 MR. MARCHETTI: I'm Paul Marchetti,
16 Executive Director of PENNVEST.

17 MR. KUHN: Tom Kuhn, Executive
18 Director of the House Environmental Energy
19 Task Force for Representative George.

20 MR. MARCINKEVAGE: Rich Marcinkevage
21 from Lock Haven representing Pennsylvania
22 League of Cities.

23 MS. KANE: Ginnie Anderson Kane,
24 Upper Allentown Township Commissioner
25 representing the Pennsylvania State

1 Association of Township Commissioners.

2 MR. INKS: Bill Inks, Director of
3 Finance of the Allegheny Sanitary Authority,
4 representing the local water associations in
5 Allegheny County.

6 MS. HOLBERT: Hi. I'm Sally
7 Holbert. I'm representing the State Board of
8 Landscape Architects.

9 MS. DENWORTH: Joanne Denworth. I'm
10 the alternate on the task force for Donna
11 Cooper who is expected this morning, so she
12 will be taking my place, I have a feeling.

13 MR. STANTON: Hi. I'm Kevin
14 Stanton. I'm representing Senator Casey's
15 office.

16 MS. MILLS: Hi. I'm Gayle Mills. I
17 work for Senator Specter and have the whole
18 middle part of the state and get quite a few
19 calls and we're working on this with Mary Beth
20 and then a group in Washington.

21 SECRETARY MCGINTY: Thanks for
22 joining us. We'll send our calls to you as
23 long as you're already handling them.

24 Welcome. It's nice to see you.

25 REPRESENTATIVE HUTCHINSON: I'm State

1 Representative Scott Hutchinson, 64th
2 District.

3 REPRESENTATIVE FREEMAN: State
4 Representative Bob Freeman, 136th District,
5 Northampton County and the chair -- the
6 majority chair for the Local Government
7 Committee.

8 MR. CRUM: George Crum. I'm the
9 manager of the Southwest Delaware County
10 Municipal Authority representing the
11 Pennsylvania Rural Water Association.

12 MR. GOURLEY: Ty Gourley. I'm here
13 on behalf Dr. Jared Cohon, President of
14 Carnegie Mellon University.

15 MR. KARL BROWN: Karl Brown,
16 Executive Director of the State Conservation
17 Commission.

18 MR. CERASO: Tom Ceraso, Westmoreland
19 County Commissioner, representing the County
20 Commissioners Association.

21 MR. BOWEN: Doug Bowen, representing
22 the Authority Association.

23 MR. BLUEDORN: I'm Don Bluedorn, with
24 Babst Calland in Pittsburgh and I'm the chair
25 of the Statewide Water Planning Committee.

1 SECRETARY MCGINTY: Okay. Great.

2 Well, thank you very much. Oops.

3 REPRESENTATIVE SAYLOR: Chairman
4 Saylor, Local Government Committee.

5 SECRETARY MCGINTY: How are you?
6 Nice to see you. Representative Saylor has
7 joined us as well.

8 Okay. A couple things just by way of
9 update and then we'll turn it over to our
10 presenters for their testimony.

11 First, our regional input sessions.
12 We've been working with some of our offices
13 and I think we are -- now have all of those
14 meetings scheduled.

15 And where is Marcus? I'm going to
16 turn it over to him to speak to that.

17 MR. KOHL: Yes. Big thanks to Craig
18 Brooks of the Joint Air -- and this a long
19 title so I'm sure I'm going to get it wrong --
20 Joint Air and Water Legislative -- Craig, can
21 you fill that in?

22 MR. BROOKS: I know it very well.

23 SECRETARY MCGINTY: Well, thank you,
24 Craig.

25 MR. BROOK: You're kidding!

1 MR. KOHL: Anyway, a big thanks to
2 Craig and his staff for pulling these
3 together. As today is the kick-off of the
4 public information gathering, I believe you
5 all have a handout that was provided which
6 lists the date and location of all of the
7 other meetings.

8 We do have a change to the handout
9 for the Thursday, May 15th meeting. George
10 Crum from the Southeast has agreed to chair
11 that meeting and DEP will be providing staff
12 for that.

13 The department will be providing
14 staff support for -- for all of these. So
15 we'll be there taking notes. We'll also have
16 stenographers there. So you will be
17 getting -- hopefully at the June 3rd meeting
18 you'll be getting some bullet points of those
19 comments that were collected.

20 Nicki Kasi is going to be at all
21 these meetings collecting them and sorting
22 them into the different categories of what
23 they are. So you'll have that on June 3rd.

24 Not sure if there's a whole lot more
25 to add. You have the dates there and

1 locations. These will be open to the public.

2 And thank you to all the senators and
3 representatives for agreeing to chair them.

4 SECRETARY MCGINTY: Yes. Okay.

5 Great. Thank you very much.

6 We also have -- Marcus identified the
7 dates of the ticket -- of the upcoming task
8 force meetings as well. Correct?

9 MR. KOHL: Correct. Correct. That
10 the -- I'm going --

11 SECRETARY MCGINTY: We don't have to
12 go through all the dates, but --

13 MR. KOHL: No. The next is June
14 3rd. That will be here in Room 105 at 9:30,
15 and the others I'll send out via e-mail. I
16 don't know them all off the top of my head.
17 So you'll be getting those shortly.

18 SECRETARY MCGINTY: Okay. So that's
19 the schedule in terms of input in our next
20 meetings.

21 Before you get too comfortable,
22 Marcus, I also wanted to ask you, as you will
23 recall, our last agenda item last time was
24 identify members of our working groups and so
25 that has also been finalized and I believe

1 those working groups are up and running now.
2 Some have already had some dialogue, if not
3 meetings.

4 MR. KOHL: We have -- all of the
5 working group members have been notified that
6 they are on the working groups. We met this
7 morning, prior to this meeting, with all the
8 work group chairs and DEP liaisons to map out
9 a schedule of future meetings.

10 I think the consensus among all the
11 work group chairs, we're going to try to have
12 those kick-off meetings around May 20th, that
13 time frame, and from there we'll get the ball
14 rolling.

15 SECRETARY MCGINTY: Okay. Very
16 good. Thank you.

17 The -- just on the work groups -- the
18 work groups, I wanted to thank Paul
19 Marchetti. He is stepping up to chair the
20 financial resources working group.

21 Steve Settler (phonetics), it turned
22 out, was not able to do that. So, Paul, we're
23 grateful to you for doing that.

24 MR. MARCHETTI: Thank you.

25 SECRETARY MCGINTY: We'll see if

1 you're still saying that in a few months.

2 Okay. Scott Pauchnik, can you give
3 us a quick update in terms of your discussion
4 with the Legislative Budget and Finance
5 Committee on the financial needs part of the
6 equation?

7 MR. PAUCHNIK: Sure. I think the
8 last time we spoke we talked about whether or
9 not we wanted to piggyback on what was in
10 Senator Vance's Senate Resolution 224 that
11 dealt with needs assessment on the Chesapeake
12 Bay, whether we were going to do it that way
13 or whether we wanted to go with our own
14 resolution dealing with Commonwealth wide
15 needs assessment.

16 After further consultation with
17 legislative staff and some of the members, we
18 decided to let Senate Resolution 224 go on its
19 own, let them continue their work, and that we
20 would have a separate resolution that would
21 deal with Commonwealth wide needs assessment.

22 At this time that language is
23 currently drafted, probably be sharing that
24 with the legislative folks today or tomorrow.
25 Probably today.

1 And then moving forward, also I think
2 that the water staff have the RFP already
3 written out. So once the resolution is
4 introduced, if we could get movement on that,
5 the RFP will be ready to go and we can start
6 looking for how we move forward on the needs
7 assessment, so --

8 SECRETARY MCGINTY: Add two pieces to
9 that. For Legislative Budget and Finance
10 Committee, Senator Pippy has been very
11 helpful, and his team.

12 So I think we're all on the same
13 page --

14 MR. PAUCHNIK: Right.

15 SECRETARY MCGINTY: -- in terms of
16 what needs to be done and how we'll proceed.
17 And Senator Vance has stepped up. She wants
18 to see, obviously, the language of the
19 resolution, but it's her intention to be the
20 sponsor of that resolution to make it all
21 official. So I think we're in good shape.

22 Representative Hutchinson.

23 REPRESENTATIVE HUTCHINSON: I just
24 wanted to clarify. I think this is
25 understood, that the same kind of

1 methodologies and number outputs will be in
2 the two different studies so they are
3 comparable.

4 SECRETARY MCGINTY: That's certainly
5 the hope and objective.

6 MR. PAUCHNIK: Yeah. You know, we
7 definitely want to marry the two together and
8 make sure that both sides -- both groups are
9 working together on the data whenever we come
10 up with a final report.

11 But it's just -- it was the intention
12 of Senator Vance to move forward on her
13 resolution alone.

14 CHAIRMAN HUTCHINSON: I understand
15 that. I just wanted to make sure it was
16 clear.

17 MR. PAUCHNIK: Most definitely.

18 SECRETARY MCGINTY: Yes.

19 MR. PAUCHNIK: There may even be a
20 line in the resolution -- a line in the
21 resolution that says, you know, that the two
22 would work together in the end, so --

23 SECRETARY MCGINTY: Okay. Good.

24 MR. BOWEN: What is the likelihood of
25 getting a contractor in place and getting this

1 report to us to finish in October?

2 SECRETARY MCGINTY: Yeah. We were
3 talking about the timing earlier. Let's
4 assume we get a resolution next week. Then
5 it's a 30-day process, to let the RFP go
6 through that process, and then there's the
7 work to be done.

8 My guess is that for some part of the
9 work that we have to do, we're going to be
10 assuming big numbers. Right? Whether it's --
11 thank you -- 15 billion or 20 billion or 30
12 billion. It's -- it's big numbers. And we
13 won't have the final, precise numbers through
14 part of the work that we have to do.

15 Having said that, Dana and Scott have
16 been working with the legislative folks to
17 stage the sharing of data with the task
18 force.

19 So the resolution, Dana, is going to
20 contemplate some interim reports or some
21 interim sharing of data as well?

22 MR. AUNKST: Yes.

23 SECRETARY MCGINTY: There you go.

24 MR. AUNKST: There will be certain
25 goals set.

1 SECRETARY MCGINTY: He's not Irish.
2 See, he gives a yes or no. I give the la la
3 la la la.

4 MR. AUNKST: No, I was just going to
5 say obviously you're right. You know, we need
6 data coming in and I think it would be helpful
7 if data is coming in consistently.

8 So there's goals set in both the RFP
9 and the resolution that will allow for
10 constant data to be coming in so we can -- you
11 know, that work group can process it.

12 MR. BOWEN: Thank you.

13 SECRETARY MCGINTY: Okay?

14 MR. BOWEN: Yes.

15 SECRETARY MCGINTY: Okay. Anything
16 else before we turn it over and hear the input
17 of the individuals who are joining us today?

18 Hello, Mr. Drizos. What are you
19 doing back there? You can be up here
20 representing Secretary Yablonsky if you'd
21 like.

22 Okay. If not, I'm going to make the
23 following suggestion, which is that we have
24 individuals who have signed up to present on
25 financial resources, on innovative measures,

1 and on needs, tracking some of our working
2 groups, and I would suggest that we hear the
3 presentations in each of those categories and
4 then take time for questions, not after each
5 presenter but after each category.

6 Agreed? Wow. How easily we make
7 these unanimous decisions.

8 Okay. We're going to start with
9 financial resources and we're going to invite
10 Paul Diskin to come up and kick us off.

11 I'd ask for comments of maybe five to
12 seven minutes, if that's okay.

13 MR. DISKIN: I think we got a little
14 more than that, but I'll try to --

15 SECRETARY MCGINTY: Okay. Seven,
16 eight.

17 MR. DISKIN: Where would you like
18 me? Okay?

19 SECRETARY MCGINTY: I think there is
20 probably the best we're going to be able to
21 do.

22 REPRESENTATIVE HUTCHINSON: Madam
23 Chairman?

24 SECRETARY MCGINTY: Yes.

25 REPRESENTATIVE HUTCHINSON: I want to

1 remind you we do have a stenographer. I think
2 maybe we need to accommodate her with our
3 testimony.

4 SECRETARY MCGINTY: Sure.

5 REPRESENTATIVE HUTCHINSON: So if we
6 can ask her.

7 SECRETARY MCGINTY: What would you
8 prefer?

9 MR. DISKIN: We also have a written
10 copy of it, too, to be submitted.

11 SECRETARY MCGINTY: Okay. Paul,
12 please. Thanks for kicking us off today.

13 MR. DISKIN: Good morning. And thank
14 you, Secretary McGinty and members of the
15 Sustainable Infrastructure Task Force, for the
16 opportunity to present the Public Utility
17 Commission's views on infrastructure
18 sustainability.

19 My name is Paul Diskin. I serve as
20 the Energy and Water Manager for the Bureau of
21 Fixed Utility Services. I have been asked to
22 present the following testimony on behalf of
23 the Public Utility Commission. We have been
24 asked to offer recommendations to address the
25 Commonwealth's infrastructure challenges.

1 At the outset, we would like to
2 commend Governor Edward G. Rendell for his
3 foresight and leadership in establishing this
4 task force. Utility infrastructure
5 improvements in the Commonwealth are critical
6 for the promotion of reliability, economic
7 development, and environmental protection.

8 While the status of Pennsylvania's
9 infrastructure related to jurisdictional water
10 and wastewater utilities is generally
11 acceptable and receiving appropriate levels of
12 replace -- replacement and/or repair, we have
13 seen incidents that require special attention.

14 For example, there has been a higher
15 than normal number of water main breaks in the
16 Pittsburgh area and Luzerne County, which
17 resulted in this Commission opening an
18 investigation of a water utility, the first
19 phase of which was concluded with a number of
20 recommendations for improving service.

21 As will be addressed, comprehensive
22 combination of regulatory mechanisms, from
23 full cost pricing ratemaking principles, to
24 strengthening viability through fostering
25 regionalization, provides the framework for a

1 reliable sustainable infrastructure.

2 We believe that some of these
3 mechanisms may lend themselves for adaptation
4 by non-jurisdictional water and wastewater
5 utilities, especially the distribution system
6 improvement charge or DSIC, a proven method
7 for accelerating the pace of infrastructure
8 improvements at a reasonable cost.

9 In addition, we offer recommendations
10 for a collection system improvement charge or
11 CSIC for wastewater utilities, which will
12 require legislative action, along with a call
13 for increased regionalization to achieve
14 operational efficiencies and economies of
15 scale.

16 Additional recommendations include
17 increased water/energy synergies,
18 consideration of a new water audit
19 methodology, integrated water resource
20 planning, and water afford -- affordability
21 programs.

22 The PUC regulates the rates and
23 service of jurisdictional water and wastewater
24 companies. The PUC does not regulate
25 municipal water and wastewater authorities,

1 mobile home parks, homeowners' associations or
2 cooperatives. This can be compared to the
3 regulatory scope of the Department of
4 Environmental Protection which regulates the
5 water quality, under the parameters of the
6 Safe Drinking Water Act, of all 2,200
7 community drinking systems, including the PUC
8 jurisdictional systems.

9 The two agencies share a concurrent
10 and sometimes overlapping regulatory scope.
11 Whereas DEP's scope relates to health and
12 safety issues within the Safe Drinking Water
13 Act, the PUC's scope encompasses the broader
14 question of whether water supplied is fit for
15 basic domestic purposes.

16 Simply put, water may be potable but
17 not palatable, or fit for household purposes.
18 Water should not stain laundry or fixtures,
19 prematurely retire water heaters or include
20 residue or lack clarity. Additionally,
21 adequate pressure must be available to enable
22 normal water-using tasks.

23 The PUC's regulatory authority
24 provides for comprehensive administrative
25 procedure with due process afforded for all.

1 An informal complaint process before the
2 Bureau of Consumer Services exists, along with
3 a formal complaint process before an
4 Administrative Law Judge. For the formal
5 process, a record of the proceeding is created
6 to include testimony and evidence.

7 An attorney is not needed for
8 residential customers and the process is
9 relatively cost free and straightforward.

10 The PUC regulates the rates and
11 service of 90 investor-owned water companies
12 serving about 1.2 million residential
13 customers. The PUC also regulates 27
14 municipal waters utilities which serve outside
15 of their corporate boundaries.

16 As to wastewater utilities, the PUC
17 regulates 61 investor utilities serving 31,000
18 customers, along with five municipal
19 wastewater systems that provide service to
20 customers residing beyond the corporate
21 boundaries.

22 A large majority of the regulated
23 entities are smaller which typically
24 experience degrees of operational constraints
25 which can impact and lessen customers' quality

1 of service.

2 Viability standards relating to the
3 technical, managerial and financial
4 wherewithal of water and wastewater systems
5 are essential to be maintained in order to
6 ensure safe and reliable service under the
7 Public Utility Code.

8 In 1993, the Commission adopted a
9 policy statement on viability which sets the
10 framework for the Commission's comprehensive
11 regulatory program which is geared toward
12 fostering viability for all systems, including
13 the smallest. The Commission recognizes that
14 viable systems are essential to strong
15 communities and that there is a direct impact
16 upon health, quality of life and economic
17 development.

18 The Commission also recognizes the
19 smaller water and wastewater utilities may
20 experience compromised viability that needs to
21 be rectified. Solutions to the most
22 challenging of the small system dilemmas
23 include various forms of regionalization.

24 Endorsed by the Commission for many
25 years, regionalization improves service

1 through resource coordination and increased
2 economies of scale. A flexible approach,
3 regionalization can include various forms,
4 including physical interconnection where
5 appropriate, acquisition and mergers,
6 management of satellite systems, and contracts
7 for professional management.

8 Since the early 1990s, many
9 successful regionalization projects have
10 occurred and greatly reduced the number of
11 jurisdictional water utilities from nearly 430
12 to the 90 currently.

13 A number of factors contributed, but
14 the resolution of some of the most serious of
15 troubled water company problems can be
16 attributed to the regionalization efforts by
17 Pennsylvania American Water, Aqua, United
18 Pennsylvania, and York Water.

19 Another contributing factor was the
20 Commission's policy statement on acquisition
21 incentives to encourage the takeover of
22 smaller, troubled systems and was recently
23 expanded to continue to remove barriers from
24 viable systems regionalizing smaller, troubled
25 systems.

1 Furthermore, the success has also
2 been dependent upon the excellent ongoing
3 interagency coordination we have experienced
4 with DEP, particularly through the
5 Commission's Small Water Company Task Force.
6 The two agencies formalized this interagency
7 coordination by the signing of a memorandum of
8 understanding, or MOU, in 1993.

9 The PUC also entered into an MOU with
10 PENNVEST. From our work with our sister
11 public utility commissions around the country,
12 I can tell you having a successful interagency
13 cooperation and an infrastructure improvement
14 loan program like PENNVEST makes us the envy
15 of all.

16 Under the Public Utility Code, the
17 rate make -- rate setting process employed is
18 known as rate-base, rate-of-return regulation
19 which ensures that utilities are charging just
20 and reasonable rates and that expenses claimed
21 are prudently incurred.

22 The rates are set to be
23 non-discriminatory and equitable among
24 customer classes.

25 Of particular value to this hearing

1 on sustainable infrastructure is the fact that
2 rates are to include all essential elements of
3 providing safe and reliable service. Deferral
4 of maintenance is not allowed, particularly
5 avoidance of prudent infrastructure
6 investment. This full cost of service
7 compliment (sic) is a critical element within
8 any discussion of asset management and
9 sustainable infrastructure.

10 The rate setting process has also
11 provide customers with the opportunity to
12 participate. And, in turn, the Commission is
13 obligated, through what is known as the
14 Regulatory Compact, to reach decisions that
15 are in the public interest, that are fair,
16 timely, and that rates are compensatory to
17 encourage investment.

18 In addition to equitable rate
19 setting, the Commission ensures equitable
20 customer billing, metering, and overall
21 service quality, including useful and timely
22 customer communications.

23 The Commission's important role in
24 regulating the rates and quality of service
25 was recognized and reiterated by the

1 Legislative Budget and Finance Committee's
2 recent legislative performance audit of the
3 PUC.

4 In its report, the LB&FC recommended
5 that the PUC's jurisdiction be extended to
6 municipal authorities when serving customers
7 that live outside the bounds of the
8 municipality that appoints the authority
9 member.

10 Nationwide it is commonplace that
11 utility infrastructure is deteriorating
12 throughout the country and this dilemma must
13 be addressed in a timely, cost-effective
14 manner.

15 Many water utilities were built more
16 than a century ago and much of today's plant
17 in service requires expensive upgrading. The
18 unprecedented magnitude of the extent of
19 needed infrastructure upgrades, along with the
20 high cost, call for innovative solutions.

21 Mains that were placed into service a
22 century ago then cost approximately a dollar a
23 foot. Today, the remediation or replacement
24 costs range from \$61 to \$100 a foot.

25 Prior to the implementation of the

1 distribution system improvement charge, DSIC,
2 under traditional ratemaking, the pace of
3 remediation ranged from a few hundred years to
4 900 years, not in any way a realistic time
5 frame to match the actual service lives of
6 mains which are approximately 75 to 125 years
7 depending on the materials and soils.

8 Fortunately the Pennsylvania General
9 Assembly enacted DSIC a decade ago after
10 realizing the significant price tags that are
11 associated with maintaining the state's aging
12 water infrastructure.

13 The DSIC allows jurisdictional water
14 companies to use a surcharge on customers'
15 bills to fund more upgrades of aging
16 infrastructure than would otherwise be
17 feasible at a reasonable rate for customers.

18 The Commission regularly reviews the
19 water utilities' DSIC expenditures by making
20 certain the DISC expenditures -- by making
21 certain that the amount of money expended is
22 on DISC-eligible property.

23 Revenue-neutral projects allowed
24 under DSIC include main/valve replacement,
25 main cleaning and relining, fire hydrant

1 replacement, main extensions to eliminate dead
2 ends, solutions to regionalization projects,
3 and meter change-outs.

4 The cost of the surcharge is small
5 when compared to the noticeable benefits, with
6 approximate average monthly costs to
7 ratepayers ranging from a few cents a month to
8 about \$1.50.

9 A number of consumer protections are
10 built into the DSIC mechanism such as a cap on
11 the percentage charged of the total bill, an
12 annual reconciliation audit and the
13 requirement for customer notice.

14 Because of the DSIC, water customers
15 experience improved water quality, greater
16 rate stability, and increased water pressure.

17 Further benefits include fewer main
18 breaks and service interruptions, along with
19 lower levels of unaccounted for water.

20 Another critical, if indirect,
21 benefit makes the DSIC a favorite among local
22 firefighters -- that is the improved fire
23 protection that results due to increased
24 pressure and reliability. The DSIC has had
25 substantial impact on accelerating

1 infrastructure remediation in Pennsylvania.
2 Prior to the D -- DSIC, water utilities'
3 progress in upgrading infrastructure relative
4 to actual service lives was a major challenge.

5 If there were an -- if there ever
6 were an ideal regulatory tool created in
7 Pennsylvania that is recognized as a best
8 practice around the country, it is the DSIC.
9 Its main features are that it is:

10 Pro-environmental as it significantly
11 decreases unaccounted for water, as water is
12 one of our most precious resources.

13 Promotes a major objective of this
14 Administration and the General Assembly which
15 is to update Pennsylvania's aging
16 infrastructure.

17 And it promotes economic development
18 as it creates and maintains hundreds of jobs.

19 In fact, DSIC is one of the most
20 important regulatory tools of the past decade.
21 It has been cited by the National Association
22 of Regulatory Utility Commissioners as a best
23 practice, and it has been designated by the
24 Council of State Governments as model
25 legislation.

1 Legislatures in six other states have
2 since recognized that a new regulatory
3 mechanism was needed to accelerate the pace of
4 infrastructure upgrades at a reasonable cost.

5 In 2003, Pennsylvania -- PUC approved
6 a Collection System Improvement Charge, which
7 would allow the state's wastewater utilities
8 to use a surcharge similar to DSIC to upgrade
9 its aging infrastructure. Based upon the
10 success of DSIC, the Commission believed that
11 many of the challenges facing the wastewater
12 utilities could be addressed in the same
13 manner.

14 Unfortunately, the Commonwealth Court
15 concluded in 2005 that the Commission did not
16 have the authority to approve a rate mechanism
17 such as CSIC to recover these costs. The
18 state Supreme court denied appeals to protest.

19 The LB&FC performance audit
20 recommended that the General Assembly amend
21 the Public Utility Code to give the PUC
22 authority to establish a CSIC program for
23 wastewater companies. Not only would the CSIC
24 accelerate aging infrastructure upgrades, it
25 would also help resolve overflows from

1 sanitary sewer systems and from combined sewer
2 systems.

3 The General Assembly has been
4 discussing this recommendation and the PUC
5 strongly supports such legislation and hopes
6 it to be -- hopes it will be enacted.

7 Four years ago, the Commission
8 launched a consumer-education effort to inform
9 Pennsylvanians about how drinking water is
10 regulated, ways to conserve this precious
11 resource, and low-income programs available to
12 help pay bills.

13 Consumer-education brochures and fact
14 sheets are distributed to consumers throughout
15 the year.

16 Additionally, the Commission marks
17 National Drinking Water Week each May.
18 Earlier this week, Chairman Holland,
19 Commissioner Pizzingrilli, and House consumer
20 Affairs Committee Chairman Joseph Preston,
21 Jr., visited one of the many water
22 infrastructure improvement projects undertaken
23 statewide to highlight the need for
24 sustainable water infrastructure.

25 Water treatment and distribution are

1 also highly dependent upon energy, primarily
2 for pumping. Similar energy dependencies
3 exist for wastewater collection and treatment.

4 Energy production relies heavily upon
5 water, primarily for cooling, noting, however,
6 that the generators became non-jurisdictional
7 since electric restructuring.

8 In fact, energy production consumes
9 the largest amount of water in the state.
10 Increased efficiencies by the water,
11 wastewater and energy industries result in
12 financial savings on the expense of purchased
13 water -- purchased power and water where
14 applicable, but reduction of water use has
15 become increasingly more important as this
16 resource has become more limited in some areas
17 at given periods of time.

18 Although Pennsylvania is typically
19 water-rich, the ongoing drought patterns,
20 along with climate change, bode well for
21 efforts to increase efficiencies.

22 Additionally, optimizing the water
23 and energy synergies will become even more
24 critical and cost-effective as electricity
25 rate caps are removed from customers' bills.

1 Some water utilities may find that
2 hourly rates will apply and may choose to
3 purchase energy from an alternate supplier.

4 More efficiencies can be uncovered,
5 some of the most promising include:

6 For water utilities, high efficiency
7 pumps and installing micro-turbines in major
8 transmission lines for pressure reduction and
9 renewable energy generation; electric industry
10 rate incentives for diesel/gas back-up
11 generators to help water companies save costs
12 by avoiding peak hourly rates while shaving
13 the electric company's system load; and for
14 wastewater utilities, methane capturing and/or
15 burning for power generation.

16 Utilities could take advantage of
17 alternative energy credits, not only within
18 Pennsylvania, but also may have applicability
19 within the entire PJM market, which includes
20 all or parts of 13 states and the District --
21 District of Columbia.

22 Efforts to ensure sustainable
23 infrastructure include a combination of
24 components, many of which have already been
25 addressed. These include a relative -- a

1 relevant prioritization process to address
2 main replacement or cleaning and relining and
3 facilitation of repayment of the investment
4 through cost-based rates, including the DSIC
5 mechanism.

6 In addition, a comprehensive approach
7 to wise water usage is also advised. In the
8 early 1990s (sic) the PUC instituted a
9 Comprehensive Water Conservation Policy which
10 addressed: Customer education, water audits
11 for large users, water efficiencies,
12 unaccounted-for water, ongoing leak detection,
13 universal metering, and a conservation
14 contingency plan.

15 Based on these basics, a broader
16 integrated water resource management approach
17 appears to hold much promise for maximizing
18 limited resources, in terms of water and
19 finances, while benefiting the environment.

20 This holistic approach has been
21 defined as the management of the whole
22 hydrologic cycle to achieve a coherent set of
23 water resource policies and uses that balances
24 all reasonable social, economic --
25 environmental and economic needs in a

1 sustainable manner.

2 To wrap up, we have a summary of 16
3 recommendations for the task force. A number
4 of these recommendations have already been
5 discussed previously; others are briefly
6 discussed with further information to be
7 produced upon request.

8 One, to accelerate water utility
9 infrastructure remediation at a reasonable
10 rate, adapt the Distribution System
11 Improvement Charge for applicable
12 non-jurisdictional water utilities.

13 To accelerate jurisdictional
14 wastewater infrastructure remediation at a
15 reasonable rate, support legislative authority
16 for the Collection System Improvement Charge
17 for jurisdictional wastewater systems.

18 For all other wastewater systems, to
19 accelerate wastewater infrastructure
20 remediation at a reasonable rate, adapt the
21 Collection System Improvement Charge for
22 applicable non-jurisdictional wastewater
23 utilities.

24 Number four, to further ensure
25 infrastructure upgrades for non-jurisdictional

1 water and wastewater utilities, adopt full
2 cost pricing rate -- rate setting, with all
3 utility rate revenue allocated towards water
4 utility operations.

5 To better ensure infrastructure
6 reinvestment by non-jurisdictional water and
7 wastewater utilities, adopt the Uniform System
8 of Accounts, which, among other things, would
9 enable a distribution -- depreciation expense
10 to be built into rates.

11 To target low income customers having
12 difficulty meeting their bill obligations,
13 establish customer assistance programs.

14 To further resolve the troubled water
15 system challenge, expand regionalization
16 efforts, including mandatory takeover
17 regulations amended to apply to all ownership
18 types of chronically noncompliant water
19 systems versus -- versus the current
20 limitation of the PUC being authorized to
21 direct a jurisdictional viable system to take
22 over a chronically noncompliant jurisdictional
23 system even if a viable non-jurisdictional
24 system is the more logical choice.

25 To minimize the time period for

1 customers experiencing long-term boil water
2 notices, limited supply or other related
3 problems occurring during the pendency of the
4 litigation process for the most serious of
5 chronically noncompliant systems where
6 customers' health could be jeopardized,
7 develop a new, more expeditious receivership
8 appointment process.

9 To further promote wise water use and
10 operating efficiencies for non-jurisdictional
11 water systems, institute a comprehensive water
12 conservation policy similar to 52 Pa. Code
13 65.20.

14 To maximize limited resources, both
15 financially and related to water supply, and
16 balance competing uses to both benefit social
17 values and improve the environment,
18 incorporate an integrated water resource
19 management approach as applicable.

20 To provide municipal water authority
21 customers living outside the bounds of the
22 municipality that appoints the authority
23 members with the same customer protections and
24 oversight provided to -- provided to customers
25 of municipally-owned water systems, extend

1 Public Utility Commission jurisdiction to the
2 water utilities -- water authority's outside
3 customers.

4 To expand customer protection over
5 rates and service to all customers of the
6 Commonwealth's 2,200 community drinking water
7 systems, along with easing the fragmented
8 regulatory structure, thereby easing
9 regionalization and other efforts to
10 strengthen the water and wastewater utility
11 industries, extend Public Utility Commission
12 jurisdiction to all currently
13 non-jurisdictional water and wastewater
14 systems, with consideration given to
15 implementing an interim regulatory process
16 whereby the Commission could assert
17 jurisdiction on an as-needed basis, such as
18 for complaint handling and rate cases and
19 relinquish jurisdiction when needed.

20 To save costs and water, and produce
21 some renewable energy, incorporate
22 water/energy synergies where applicable.

23 To most efficiently target
24 infrastructure remediation dollars, review
25 benchmarks for relevant infrastructure

1 replacement prioritization methodologies.

2 To garner understanding and support
3 for costly upgrades of water and wastewater
4 infrastructure, publication -- public
5 education efforts about the value of drinking
6 water and how it is treated and distributed
7 should be broadened by utilities and public
8 agencies alike, including those designated by
9 the U.S. Environmental Protection Agency and
10 the American Water Works Association.

11 And the last one is to more
12 efficiently determine water losses and improve
13 system reliability and financial viability,
14 replace reliance upon the unaccounted method
15 -- unaccounted-for water methodology with the
16 newer water audit methodology adopted by the
17 American Water Works Association.

18 Thank you.

19 SECRETARY MCGINTY: Very good. Well,
20 that was a really terrific, comprehensive
21 presentation. I'm sure the task members agree
22 and are very grateful for your effort in
23 laying all that out.

24 I'd ask if you could find a place
25 just to hang there while we hear Bruce

1 Hottle's presentation because I'm sure there's
2 going to be lots of follow-up questions --

3 MR. DISKIN: Okay.

4 SECRETARY MCGINTY: -- for you as
5 well, Paul.

6 MR. DISKIN: Thank you, Secretary.

7 SECRETARY MCGINTY: Thank you very
8 much.

9 All right. Bruce, how are you? Nice
10 to see you, Bruce.

11 Bruce Hottle with the Pennsylvania
12 Utility Contractors Association.

13 MR. HOTTLE: You have a copy -- the
14 board members have a copy of this pamphlet
15 here. What I'd like to talk about today is,
16 first off, the current needs assessment.

17 I've been involved in the industry
18 for about 31 years now and this was the first
19 time I've seen DEP and EPA both working from
20 the same sheet of numbers.

21 The current needs assessment for
22 Pennsylvania is about \$22 billion. As a
23 representative of the construction industry,
24 I'm here to tell you today that that number is
25 about 30 percent lower than what today's

1 actual costs are.

2 When you -- when you calculate the
3 current surge in fuel prices, cement
4 increases, steel reinforcement increases,
5 health care increases and wages, that \$22
6 billion was established in 2004. Today's
7 needs are going to be 30 to \$32 billion and
8 climbing rapidly.

9 Just to give you an example, I'm
10 currently finishing a project that I bid on
11 December 11th, '06 when my fuel was a dollar
12 forty-five a gallon for diesel fuel. Now
13 currently paying 3.30 -- or 4.35 a gallon for
14 fuel today.

15 Many projects like that will burn a
16 thousand gallons of fuel per day. You can see
17 what that does to your costs.

18 Getting back to our testimony here
19 this morning, the needs of Pennsylvania are
20 great. There's no -- there's no community in
21 Pennsylvania who has a system that is
22 up-to-date, fully ready to go today.

23 In fact, over the last two months in
24 my discussions with various members of the
25 legislature, I have not found one legislator

1 who has a community within their district that
2 does not have some kind of a tap ban or
3 moratorium on new construction.

4 That in itself is hurting
5 Pennsylvania and preventing us from bringing
6 in additional industry to the Commonwealth and
7 thousands of jobs are at risk.

8 The Pennsylvania Utility Contractors
9 Association for years has been pushing the
10 idea of a clean water trust fund, very similar
11 to what the private utilities have in the way
12 of the distribution service charge that the --
13 that the gentleman before me was just talking
14 about.

15 To give you an illustration of that,
16 I brought with me today a copy of the water
17 usage report for the municipal authority that
18 I chair in Somerset County. Every municipal
19 authority is required to have a daily reading
20 of their master meter.

21 And you can see that the chart I
22 brought shows our readings for Lincoln
23 Township Municipal Authority for the year
24 2007. Our total usage of water for the year
25 was 37 -- 38,747,900 gallons.

1 If you flip that over, on the back
2 Pennsylvania Utility Contractors Association
3 for a number of years now has been pushing the
4 clean water trust fund to fund those needed
5 improvements.

6 You'll see that at a rate of 20 cents
7 per 1000 gallons consumed would generate --
8 our figure show it would generate about 200 to
9 250 million dollars a year for sewer and water
10 construction in Pennsylvania and that's based
11 on permanent, of all water treatment plants
12 and sewage treatment plants.

13 In breaking it down for the system
14 that I chair, it works out to a dollar
15 thirty-seven per customer per month. We've
16 got 470 customers on our system. For our
17 municipal authority it amounts to \$7,700 a
18 year. Of that 2,700, approximately, would
19 remain in the local municipal authority.
20 However, it would be restricted to a capital
21 reserve account, about 5,000 of that would
22 then be sent on to PENNVEST.

23 What we're proposing is that
24 PENNVEST be the depository for all funds
25 generated by this proposed trust fund, and

1 we're leaving a portion of the money in the --
2 a third of the money remains in the community
3 itself, in the capital reserve account for
4 improvements of the system.

5 The other two-thirds of the money is
6 sent to PENNVEST. Of that, we recommend half
7 be for loans and half be for grants.

8 Many communities in Pennsylvania
9 cannot afford to upgrade their systems or even
10 build a system. The -- the system that I
11 chair we just this week lost a \$2 million --
12 \$2 million federal grant because we couldn't
13 come up with a 45 percent local share. So
14 that money is -- is gone from Pennsylvania,
15 gone from our system.

16 We surveyed the proposed system three
17 times to establish the financial wherewithal
18 of the system. The -- the money available --
19 our mean income level is \$30,000 per
20 household.

21 Under the guidelines one percent of
22 mean income for water and one percent of mean
23 income for sewage, that puts us at a \$25 a
24 month rate.

25 To finance the other half of the

1 money that we needed we went to Farmers Home
2 Administration. They offered us a million
3 dollars at four-and-a-half percent interest
4 and the service -- debt service cost of that
5 alone would have been \$31 per month.

6 Estimated operation of maintenance of the
7 system would have been \$25 a month on top of
8 that. You can see we're at \$56 a month and
9 our ratepayers just simply could not afford
10 it.

11 Currently there's no other means to
12 finance that in Pennsylvania. PENNVEST today
13 has a budget of about \$262 million and that's
14 declining because the federal share is
15 declining. I think last year we got \$27
16 million. This year we'll be lucky to get \$20
17 million.

18 Several years ago PENNVEST had a
19 budget of 320 million a year, plus an
20 additional -- through Growing Greener an
21 additional \$32 million a year of grant money.

22 You can see that the needs keep
23 growing exponentially and the monies available
24 continue to decline.

25 A number of other solutions that the

1 utility contractors would like to offer, some
2 kind of a uniform design code for
3 Pennsylvania, similar to what PennDOT has with
4 the Form 408. You know, when you bid a
5 highway project, every highway project in all
6 12 districts in Pennsylvania is designed
7 around the same criteria.

8 We don't have that in the water and
9 sewer industry. It's left up to the
10 individual engineers and designers as to how
11 they're going to meet the regulations they're
12 required to meet of EPA and the DEP.

13 We think from the industry standpoint
14 there's tremendous savings available out there
15 if that was all codified into one single
16 document and every system was designed around
17 that. At the big table, the contractor then
18 knows exactly what he's bidding, there
19 shouldn't be any surprises, and that would
20 help bring the cost down.

21 There's a number of other regulatory
22 issues that add costs to projects but don't
23 add any long-term value. And one of those
24 that has been particularly burdensome to the
25 industry is the current DBE/MBE program.

1 What we're suggesting is we'd like to
2 see some kind of a mentoring program with a
3 time limit to it, that a contractor take a DBE
4 under his wing and mentor him or her and make
5 her a full-fledged contractor who can
6 standalone and bid work by themselves in a
7 time period of five to seven years.

8 Under the current program that's
9 approximately 30 years old and, to my
10 knowledge, nobody in our industry in
11 Pennsylvania has ever graduated from the
12 program.

13 Many of the DBEs that are operating
14 today are merely front organizations that add
15 five to seven percent cost to a project and
16 never touch the material.

17 In fact, quite frankly, a lot of them
18 couldn't find the project on a map if you
19 handed it to them.

20 Those things all add costs to our
21 system that add no value to the project.

22 We, as contractors, recognize that
23 there's only a certain amount of money
24 available every year to do these projects.
25 And if we spend that money on needless

1 regulation that provides nothing to the
2 project itself, we're doing less and less
3 projects for more and more money.

4 And that's a situation that needs to
5 be reversed. And I think with that, I'll end
6 my remarks and take questions.

7 SECRETARY MCGINTY: Okay. Terrific.
8 Well, thank you both for your presentation.
9 I'll open it up as the prerogative of the
10 chair and I'm going to throw out the first one
11 and actually, Sonny, I'm going to put you on
12 the spot, too, to engage back with Paul.

13 Just wondered what the consumer
14 advocate's position is on the DSIC and/or the
15 proposed CSIC?

16 MR. POPOWSKY: I think the DSIC is --
17 you know, it's a gimmick. It's a ratemaking
18 gimmick to get the utilities the money
19 quicker.

20 The reason that the Commonwealth
21 Court rejected the DSIC for the wastewater
22 utilities was not just because it wasn't
23 permitted under law but actually because it
24 was a bad idea and they said it didn't -- it
25 violated, you know, basic ratemaking

1 principles.

2 So having said that, we've gone along
3 with the DSIC.

4 By the way, one of the protections in
5 the DSIC was it was always supposed to be for
6 five percent of the customer's risk, but the
7 commission just expanded that to
8 seven-and-a-half percent.

9 So I think if a goal is to allow
10 utilities to get more money more quickly, then
11 the DSIC works.

12 But -- but traditional ratemaking can
13 also be used to do that. It just takes the
14 utility a little longer to -- to get the
15 money. In either case it would ultimately get
16 the money, but at a base rate case they have
17 to demonstrate that they require an overall
18 rate increase, not just that they spend more
19 money on pipes.

20 SECRETARY MCGINTY: Paul, do you want
21 to respond? And then I open it up for
22 anything else.

23 MR. DISKIN: Yeah. I guess one of
24 the things we looked at -- the Commission
25 looked at is the fact that with the DSIC in

1 place the companies do not have to come in for
2 rate increases as frequently as they did in
3 the past.

4 And obviously there is an expense to
5 the customers for that rate increase. So
6 most -- all of the utilities that I've been
7 familiar with that have used DSIC have been
8 able to stretch out the time between their
9 base rate increases and actually may have
10 reduced cost in the total for putting together
11 the expense -- the regulatory expense to put a
12 case together.

13 SECRETARY MCGINTY: Okay, very good.

14 Given how -- how many of us there
15 are, I'd ask you to just jump in but for the
16 benefit of our stenographer, as you're jumping
17 in, re-identify yourself for her.

18 MR. INKS: Bill Inks, Allegheny
19 County Sanitary Authority.

20 I tend to agree with you. We don't
21 include a component for depreciation in our
22 rate structure. However, we include the debt
23 service.

24 I'm curious as to what your view is
25 to prevent doubling up on the rates, i.e.,

1 debt service versus depreciation. How do you
2 control the -- the depreciation portion of the
3 rate structure?

4 MR. DISKIN: Well, in the calculation
5 of rates for our regulated utility,
6 depreciation is a component but also the
7 debt -- the interest expense is also an
8 integral part of it.

9 MR. INKS: Either side?

10 MR. DISKIN: Yes.

11 MR. INKS: Okay. So you move the
12 capital side, the principle side, put the
13 interest side in there and use depreciation as
14 the other component?

15 MR. DISKIN: That's correct.

16 SECRETARY MCGINTY: Other questions?

17 I have another one. Bruce, just the
18 design feature of your proposal, is the -- the
19 20 cents per 1000 on water and wastewater?
20 What's the design of it?

21 MR. HOTTLE: Yeah. It's based on
22 both water and wastewater. The theory being
23 if, say, you use 3,000 gallons of drinking
24 water a month, you'll generate 3,000 gallons
25 of wastewater a month.

1 In order to fund both construction of
2 drinking water systems and wastewater systems,
3 all those facilities have master meters. All
4 of them are required to record the daily
5 flows, and that's what we're based on, both
6 water and wastewater.

7 SECRETARY MCGINTY: Okay.

8 MS. COOPER: Donna Cooper. Hi.
9 Donna Cooper, Governor's Office.

10 When you were making the
11 presentation, you talked about the rate at
12 which you are currently charging folks is set
13 at \$25 a month. Is that correct?

14 MR. HOTTLE: No. What I was talking,
15 that was our proposed cost of operation of
16 maintenance of the sewer system, the sewage
17 treatment plant.

18 MS. COOPER: But when you were
19 presenting that, you were talking about the
20 fact that those costs, added to what you're
21 currently charging, would be unaffordable for
22 your ratepayers?

23 MR. HOTTLE: Right.

24 MS. COOPER: How do you determine
25 affordability? I heard you mention something

1 that --

2 MR. HOTTLE: Under the 1988 Clean
3 Water Act, it established that you survey your
4 customer base. You need to use the latest
5 census figures or go out and actually survey
6 the proposed project area.

7 You do a financial survey and
8 establish a mean income for the project area.
9 And then you need to establish the rate of --
10 not to exceed one percent of mean income for
11 drinking water and one percent of mean income
12 for sanitary sewage.

13 MS. COOPER: That would be two
14 percent?

15 MR. HOTTLE: So it's two percent of
16 total income. So in the case of the municipal
17 authority that I chair, our customer base has
18 a mean income of \$30,000 a year, so it's \$300
19 for water, \$300 sewage, divided by 12, \$25 a
20 month.

21 Our current water rate is 32.50
22 per -- for 3,000 gallons per month, \$2.50 per
23 1000 there above. That's a domestic rate.

24 For commercial, it's 42.50 per 3,000
25 gallons. So 3.50 per thousand.

1 MS. COOPER: So commercial aren't
2 applied to that base, right? Because the
3 standards are median income of the
4 household --

5 MR. HOTTLE: Right. Right.
6 Commercial doesn't count.

7 MS. COOPER: Is that standard of one
8 percent on each side, water and wastewater, is
9 that an aspirational standard and is that
10 something that, you know, there's a ranking
11 that says where people are in each wastewater
12 system and drinking water system nationally
13 with respect to that?

14 MR. HOTTLE: Those are the target
15 figures that --

16 MS. COOPER: Right.

17 MR. HOTTLE: -- when you're putting a
18 project together --

19 MS. COOPER: What does it look like
20 in the real world? Are people at those
21 standards?

22 MR. HOTTLE: No. We're -- the
23 average rate probably in Pennsylvania -- and
24 Paul would probably know better than I at the
25 current time -- is probably somewhere between

1 45 and \$55 per month.

2 I can tell you I served on the
3 PENNVEST board --

4 MS. COOPER: You're just not sure.
5 But for mean income that would be between --
6 around -- for both --

7 MR. HOTTLE: Yeah.

8 MS. COOPER: -- around two percent?
9 But that would be --

10 MR. HOTTLE: Well, no. That's for
11 one. For water or sewage.

12 MS. COOPER: Oh, okay. So you
13 don't --

14 MR. HOTTLE: So it's the \$90 per
15 month for -- for both.

16 MS. COOPER: I guess my point is
17 there -- I'm trying to figure out whether the
18 aspirational standards as established by the
19 federal law are the standards that people are
20 actually finding a reality across the country
21 as being the way in which current costs for
22 water and wastewater are actually being paid
23 by consumers.

24 MR. HOTTLE: Well, when you're
25 putting a project together, those are the

1 numbers that you -- you target.

2 And then, for instance, if you make a
3 submission to PENNVEST, you hope to get enough
4 grant money out of it to bring you down to
5 those figures.

6 A lot of times when you put the
7 project together, your actual costs are in the
8 60, 70, \$80 a month range and so you've got to
9 rely heavily on -- on grant funds to bring you
10 down to that target number.

11 The problem is you've got a municipal
12 authority board made up of five to seven
13 members with the current system, and they're
14 going to do everything they can to keep the
15 rates down to themselves and their neighbors.

16 MS. COOPER: But does that --

17 MR. HOTTLE: I don't --

18 MS. COOPER: Does that standard of
19 one percent on each side, water and
20 wastewater, seem like a reasonable standard?

21 MR. HOTTLE: I believe so. That was
22 the standard established when the SRF program
23 problem was established in 1988 by the last
24 Clean Water Act.

25 MS. COOPER: But you said when you're

1 trying to put a project together it's kind of
2 hard to hit that standard and we are already
3 above that standard as being -- on average?

4 MR. HOTTLE: On average we are.

5 MS. COOPER: Was that established at
6 a reasonable level? I mean I feel like Sonny
7 probably would say --

8 MR. HOTTLE: But it probably -- it
9 was in 1988.

10 MS. COOPER: Right.

11 MR. HOTTLE: I'll put it that way.

12 MS. COOPER: Right.

13 MR. HOTTLE: Twenty years later, no.
14 But the Clean Water Act has not been
15 reauthorized.

16 MS. COOPER: But it's an aspirational
17 standard there.

18 MR. HOTTLE: Right.

19 MS. COOPER: It's not a regulatory
20 requirement I understand.

21 MR. HOTTLE: Right. It's the
22 target.

23 MR. MARCHETTI: Paul Marchetti. Is
24 that okay? Just wanted to make sure.

25 SECRETARY MCGINTY: Paul is very

1 sensitized.

2 MR. MARCHETTI: Donna, just to give
3 you kind of our perspective, we use between
4 one to two percent as our target, and it
5 varies in that range depending upon other
6 demographic factors, the needs of the
7 community.

8 I would say the people -- of the
9 applicants that we get, probably a half to a
10 third are under that target rate and maybe the
11 balance are -- is over when they come in.

12 But, of course, you know, we have --
13 the sample that we get of applicants isn't
14 necessarily representative. So -- but our --
15 anyway our aspirational rate is -- is really
16 double what Bruce's are.

17 MS. COOPER: Okay.

18 SECRETARY MCGINTY: From Senator
19 Specter's office.

20 MS. MILLS: Hi. Gayle Mills, Senator
21 Specter's office.

22 If you're saying 20 cents per 1000
23 gallons, I mean what's the difference in that
24 versus Maryland's flush tax? Is it still --
25 I mean it's still a tax. What is --

1 MR. HOTTLE: Right. The difference
2 is that a user fee is -- if you consume --
3 say you -- I could tell you from the system
4 that I chair, I have -- I have a couple
5 customers on the system who use 12, 15,000
6 gallons of water per month and they're
7 domestic households.

8 And instead of finding where their
9 water leak is on their side of the system,
10 they continue to pay the rate. So that's --
11 you know, the 20 cents per 1000 would
12 encourage conservation.

13 If you've got a leaky toilet in your
14 house, a leaky toilet can run as much as 5,000
15 gallons of water a day away. It encourages
16 people to -- to solve the problem.

17 Another aspect of it it encourages
18 the municipal authorities to go out and fix
19 their leaking systems. We have many systems
20 in Pennsylvania -- for instance, in one of our
21 recent meetings a lady from Oil City Borough
22 testified that 50 percent of the water that
23 they filter and treat on a daily basis never
24 reaches the customer's meter.

25 So their cost to serve the

1 customers is artificially high. It's double.
2 And she testified that -- that she had -- that
3 that's been their situation for many years.

4 And my question to her was what are
5 you doing to resolve that? She said, nothing
6 until we find the money to do it. At some
7 point in time in the future we'll probably
8 find the money to do it.

9 On the wastewater side, we have many
10 wastewater systems that suffer infiltration,
11 particularly during wet water periods, and
12 their flow meters go off the chart.

13 Say their -- say their daily
14 permitted capacity is 5 million gallons and
15 you have a wet weather event and they -- they
16 run seven to a seven-and-a-half million
17 gallons.

18 That basically means you just flush
19 that entire septic or sewage system into the
20 local river or stream.

21 So there needs to be -- the way we
22 look at it, the trust fund and the user fee of
23 20 cents per 1000 promotes people to fix their
24 systems, promotes conservation, and so on.

25 The Maryland flush tax is strictly

1 \$30 per tap per year. Starting in January 1
2 of '07 Maryland went out to private homes or
3 systems on the septic system and well, are
4 also now paying \$30 per month.

5 So they're not -- you're not getting
6 any benefit from a municipal system.

7 SECRETARY MCGINTY: A -- a flat fee.

8 MR. HOTTLE: They're paying a \$30 --
9 \$30 per year. I'm sorry. Not month. \$30 per
10 year flat fee.

11 SECRETARY MCGINTY: A year.

12 MR. HOTTLE: It's a \$30 per year flat
13 fee. And what Maryland is doing is -- I think
14 that's currently generating about \$77 billion
15 a year in Maryland and they're going out and
16 leveraging that with bond issues to help their
17 problem.

18 SECRETARY MCGINTY: Representative
19 Freeman, did you have a question?

20 George, you have a question?

21 MR. CRUM: Yes, I had a question.
22 George Crum. I had a question for Paul on his
23 discussion of municipal authorities outside
24 their boundaries.

25 Is that pending legislation?

1 MR. DISKIN: No, it is not.
2 Currently -- currently the PUC regulates if a
3 -- if a township is serving outside its
4 boundaries, those customers are under the
5 review -- are under the control of the
6 Commission, the customers outside there.

7 But as of right now, any authority
8 that serves outside its boundaries, there are
9 no -- the PUC has no control over those.
10 There's no -- does not -- those
11 customers cannot -- we cannot help those
12 customers at this point.

13 MR. CRUM: And I assume that the
14 driving force of this is customer
15 representation?

16 MR. DISKIN: That's correct. Since
17 I've been in water for the last year, I don't
18 think there's a day goes by -- one -- every --
19 I get at least one call a week from someone
20 from an authority saying, can you help us? I
21 say, I'm sorry. We can't. We just don't have
22 the -- we are not authorized by the Public
23 Utility Code to help those customers.

24 MR. CRUM: If you propose this
25 legislation, how would it address existing

1 intermunicipal agreements and things like
2 that? Contracts and things?

3 MR. DISKIN: We haven't dropped
4 anything yet at this point, so, you know, I'm
5 sure that's something we can include in there
6 to -- you know, we can put something
7 together.

8 MR. CRUM: Thank you.

9 SECRETARY MCGINTY: You want to
10 request that the PUC take a shot at that?

11 MR. CRUM: No.

12 SECRETARY MCGINTY: Doug, do you want
13 to say something about that?

14 MR. BOWEN: I guess I have to now.
15 Doug Bowen from the Authorities Association.
16 A couple of questions.

17 Besides the obvious that I don't
18 think it makes a lot of sense, what would it
19 do for the purpose of this group when we're
20 looking at problems with -- with costs and
21 replacing failing infrastructure?

22 How is your -- how is your oversight
23 over 2,000 public utilities going to do
24 anything?

25 Second question is, you say you get a

1 call a week and you tell them you can't help
2 them. Do you direct them to call the
3 Authorities Association?

4 MR. DISKIN: Well, what our direction
5 is, I talk to them and say, okay, I'd go back
6 to the authority board or the supervisors,
7 whoever run it. If you cannot get resolution
8 from there, I then tell them the Court of
9 Common Pleas is their next course of action.

10 MR. BOWEN: Okay.

11 SECRETARY MCGINTY: Okay. I --
12 Bruce, I wanted to ask you a question. But,
13 Paul, as Donna comes back into the room, we
14 were talking about affordability.

15 What is the connection, if any, or
16 how would the idea of whole cost pricing
17 figure into what we were talking about before
18 in terms of the overall cost that a ratepayer
19 may see as we add up these different pieces
20 that we've been talking about?

21 So full cost pricing, connect that
22 dot, if you would, with the -- the DSIC and
23 the CSIC and overall keeping some lid in terms
24 of what the overall cost impact is to the
25 ratepayer.

1 MR. DISKIN: Right. There's
2 obviously a difference between what a
3 regulating entity charges and what a municipal
4 entity charges. And we just think, you know,
5 that --

6 SECRETARY MCGINTY: That may not be
7 obvious --

8 MR. DISKIN: Okay.

9 SECRETARY MCGINTY: -- to everybody,
10 so why don't you say it.

11 MR. DISKIN: Yeah. A municipal
12 entity does not pay taxes and it's also
13 eligible for either low interest loans or
14 grants that the regulated entities are not.

15 SECRETARY MCGINTY: Okay.

16 MR. DISKIN: So when we are doing --
17 when we're looking at our proposals here, we
18 thought, you know, using a DSIC or CSIC for
19 the municipal entities would be a way to try
20 to move them closer to what the regulated
21 entities are paying.

22 SECRETARY MCGINTY: Okay. Bruce is
23 anticipating our next panel, which is on
24 innovative measures.

25 Yes.

1 MS. COOPER: I have one more
2 question. On the package we were given, it
3 included the Commonwealth Procurement Code
4 Proposed Legislation. Have you all calculated
5 what you think it would be?

6 Donna Cooper. Have you guys done an
7 analysis of what you anticipate this would
8 actually save? Do we have that?

9 MR. HOTTLE: You -- you don't have
10 the analysis, but our estimate is \$25 million
11 a year.

12 MS. COOPER: 25 million on the
13 current rate -- on the current rate of --
14 what's the larger? 25 million of what?

15 MR. HOTTLE: Of our -- our current
16 spending is around 300 million a year for
17 sewer and water systems.

18 With the changes to the procurement
19 code, it would save upwards of \$25 million a
20 year.

21 MS. COOPER: Is there a detailed
22 analysis of how that \$25 million is arrived
23 at? Could we get that?

24 MR. HOTTLE: Yeah. I think we have
25 that.

1 MS. COOPER: Okay. Do you recommend
2 some type of standards, much like PennDOT
3 standards --

4 MR. HOTTLE: Correct.

5 MS. COOPER: -- for how this is done
6 in terms of what contact -- what we mean when
7 we're bidding?

8 And is there anybody that's already
9 done that nationally or is there a national
10 document to that effect for national projects?

11 MR. HOTTLE: No. Just, for instance,
12 there's -- in Pennsylvania alone there's two
13 or three different engineering societies. The
14 design engineers don't agree amongst
15 themselves.

16 MS. COOPER: That's right. I hoped
17 we could avoid that if it's already done.

18 MR. HOTTLE: Yeah. Nobody -- nobody
19 has done it to my knowledge on a national
20 level. Like I said, PennDOT has done it on
21 the highway system. Whether I bid a highway
22 project in western Pennsylvania or
23 northeastern Pennsylvania, I know what is
24 expected of me and what my requirements are
25 and what my liabilities are.

1 In the sewer and water industry,
2 that's not the case. It's -- you build up a
3 history of jobs you've done with various
4 engineering firms.

5 One of the things that -- that I've
6 always objected to is many times engineering
7 firms will -- will charge a percentage fee of
8 the contractor's bid for the inspection of the
9 construction of the project.

10 As a municipal authority, when you
11 contract with an engineering firm, they'll
12 give you a -- a price list basically, so much
13 an hour for principal, surveyor, designers,
14 craftsmen, and so on.

15 When it comes to actually building
16 that project that they design, then all of a
17 sudden their fee becomes seven or eight
18 percent of the contractor's bid. So that's
19 kind of a self-fulfilling prophecy when we end
20 up building systems that have the bells and
21 whistles that really aren't necessary to make
22 the system operate.

23 SECRETARY MCGINTY: Okay. Well, just
24 following up on that and anticipating our next
25 panel on innovative measures, if we went to a

1 more standardized approach, like you're
2 talking about, borrowing from the PennDOT --
3 PennDOT model, is this at all in your mind
4 intentioned with what we might hear from the
5 next panel about innovative measures?

6 And going back to one of our comments
7 a couple minutes ago in terms of I and I, so
8 there may be in some part of the state the
9 opportunity to address a sewage issue on the
10 basis of streamside buffering and open space
11 and encouraging the opportunity for
12 infiltration of storm water so you don't have
13 as much of an I and I problem.

14 I guess when I heard your suggestion
15 I was concerned that it becomes a one size
16 fits all and maybe to the exclusion of some of
17 these other more diverse, more tailored
18 approaches we might take.

19 MR. HOTTLE: Not at all. I don't see
20 it that way. You know, when you look at the
21 408, you've got regulations in there for
22 two-lane road, four-lane road or whatever.

23 So I envision it would be much the
24 same. The design criteria for how you
25 establish the size of a pipeline, the flow

1 rates, the treatment capacity, and so on,
2 those are generally the same.

3 What we're talking about in the
4 standardization is all the little odds and
5 ends that goes into the specifications
6 themselves as to how the contractor is paid,
7 how -- what the various regulations are, who
8 is responsible for locating existing
9 utilities, and that type of thing.

10 Those are all items that contractors
11 must cover under their bid, and that language
12 is different for every contract.

13 The basics -- the basics of
14 installing eight-inch sewer line and the
15 amount of stone bedding and backfill and
16 pavement and those types of things generally
17 run the same.

18 There are some differences from
19 engineering firm to engineering firm how they
20 prefer to do things.

21 But where we see the greatest savings
22 is in -- is in the contract language itself
23 and where the liability for unknowns is
24 placed.

25 SECRETARY MCGINTY: All right. Don.

1 MR. BLUEDORN: I'm sorry. Just one
2 more quick question. Don Bluedorn.

3 On the uniform standards, under your
4 vision, would they also apply to the treatment
5 works or just to the collection system?

6 MR. HOTTLE: Oh, treatment and
7 collection.

8 MR. BLUEDORN: Okay. And how would
9 you -- on the treatment side, have you given
10 any thought as to how they would address
11 unique differences?

12 I mean I could understand how they
13 would apply to the technology-based limits on
14 this.

15 MR. HOTTLE: You always have special
16 provisions in any project. Even -- even
17 PennDOT has special provisions that are items
18 that need to be done specifically for that
19 particular project.

20 MR. BLUEDORN: So you just leave it
21 open?

22 MR. HOTTLE: So, yeah. You'd have
23 your base -- you'd have your base standard
24 specifications but then you'd -- each project
25 has a list of special provisions --

1 MR. BLUEDORN: Right.

2 MR. HOTTLE: -- that you can have.

3 SECRETARY MCGINTY: Okay.

4 Representative Saylor.

5 REPRESENTATIVE SAYLOR:

6 Representative Stan Saylor. Paul, you talked

7 about in your comments here about the

8 elimination of the sales tax on the

9 construction of facilities.

10 Any idea what we're talking about in

11 dollar numbers on a yearly basis or on a per

12 project basis?

13 MR. HOTTLE: I'm sorry. He was

14 addressing you.

15 REPRESENTATIVE SAYLOR: I'm

16 addressing you.

17 MR. DISKIN: Oh, okay.

18 REPRESENTATIVE SAYLOR: First on

19 sewers.

20 MR. HOTTLE: Here's what we --

21 sanitary sewer systems are tax exempt. Water

22 systems are tax exempt.

23 However, when you get to the

24 treatment plant, the process equipment is tax

25 exempt in Pennsylvania but the building and

1 safety railing and all the components within
2 the building, the heat, the ventilation
3 system, the lights and so on, those are all
4 taxable.

5 When you're putting a bid together,
6 it's extremely complicated and most
7 contractors see somebody from the Department
8 of Revenue every two years and you basically
9 sit down and go through all your past projects
10 and negotiate a number, is what it comes down
11 to.

12 It -- it then becomes a question of
13 the equipment that you use to build the
14 system. We have members of our association
15 who do nothing but utility work. They don't
16 go out and build any bridges, they don't build
17 roads, anything other than water and sewer
18 systems. Yet they pay sales tax on their
19 equipment when they purchase it and then
20 you've got to fight out with the Department of
21 Revenue a percentage rebate applicable to that
22 equipment.

23 Where we -- where -- again, where we
24 see the biggest problem is in the treatment
25 plants themselves. The line work is tax

1 exempt, the treatment plant, the process
2 equipment is tax exempt. However, the
3 structures and the driveway into it, all those
4 things, the fence around it, the lighting
5 system, the heating system, the ventilation
6 system, all the safety railing, stuff like
7 that, if it's not part of the process
8 equipment, it's then taxed.

9 There's probably another 20, \$25
10 million a year savings in that -- in that
11 area.

12 SECRETARY MCGINTY: Tom?

13 MR. CERASO: My question is for
14 Paul.

15 SECRETARY MCGINTY: Tom Ceraso.

16 MR. CERASO: Tom Ceraso. Am I
17 speaking into the mike?

18 When you talk about the -- extending
19 the PUC's powers to customers outside the
20 authority's jurisdiction that you don't have
21 now, do you think that -- if that type of
22 scenario were implemented, it could cause a
23 situation where the customers within the
24 jurisdiction end up paying for things outside
25 of the jurisdiction because of how it would be

1 harder for the authorities to implement things
2 to the customers that are outside of their
3 jurisdiction?

4 And also, as a follow-up, do you
5 think you're creating a burden upon these
6 authorities because now they have a certain
7 customer base where they have -- that are
8 inside of that jurisdiction where they don't
9 have to follow PUC's regs but they have to
10 make sure that they're following certain PUC's
11 regs for their customers that happen to be
12 outside the jurisdiction creating more cost,
13 that really doesn't deliver better water
14 service or sewage service?

15 MR. DISKIN: My understanding from
16 working with the municipal -- the townships
17 that serve outside their boundaries, they do
18 charge a different rate to their outside
19 customers.

20 So to me that would be, you know --
21 for whatever reason, they do not charge the
22 same fee to their inside customers as to their
23 outside ones.

24 MR. CERASO: Well, what about like
25 the HFO, the water and sewage intermunicipal

1 authority, where they have uniform costs
2 across the whole authority, would they be
3 allowed to charge more for that building of
4 the infrastructure that they have to have to
5 achieve to -- to regulations that you guys
6 would put on them?

7 MR. DISKIN: I'm sure that's
8 something that can be looked at.

9 SECRETARY MCGINTY: Okay. Yes,
10 please, Representative.

11 REPRESENTATIVE FREEMAN:
12 Representative Bob Freeman.

13 This is directed to Mr. Hottle. In
14 terms of the uniform design code that you're
15 talking about, are there other states -- I
16 realize PennDOT uses a similar process, but
17 are there other states that apply that concept
18 to water and sewer?

19 MR. HOTTLE: Not that I'm aware of.

20 MS. BRENDA REIGLE: Yes.

21 MR. HOTTLE: Oh, Brenda says there
22 is. Yes. Okay.

23 SECRETARY MCGINTY: Brenda Reigle.

24 MR. HOTTLE: I work primarily in
25 Pennsylvania, so...

1 REPRESENTATIVE FREEMAN: It might be
2 helpful to look at what other states have done
3 in terms of --

4 MR. HOTTLE: We can get that
5 information for you.

6 REPRESENTATIVE FREEMAN: One
7 follow-up to that question, too. I didn't
8 realize that when you had talked about the
9 idea of the uniform design code that you were
10 talking about treatment facilities as well as
11 delivery systems.

12 Do you envision a design code that
13 would require retrofitting of existing
14 treatment facilities as part of that code?

15 MR. HOTTLE: Only in the manner that
16 if a -- if you were expanding capacity, say
17 you had a -- say you had a five million gallon
18 capacity plant now and you wanted to upgrade
19 that to seven-and-a-half million gallon
20 capacity, then whatever is necessary to do
21 that.

22 Again, the language would be
23 covered. Again, that would be a special
24 provision to -- that is unique to that
25 particular project versus building a entirely

1 new sewage treatment plant or water treatment
2 plant.

3 There's --

4 REPRESENTATIVE FREEMAN: But there's
5 never --

6 MR. HOTTLE: There's different things
7 that come into effect, whether adding capacity
8 to an existing plant and upgrading that
9 facility or building a completely new
10 facility.

11 REPRESENTATIVE FREEMAN: I guess the
12 only question is that as we track this through
13 this practice that we don't lock ourselves
14 into the point, I think Secretary McGinty was
15 making, as far as the one size fits all or
16 even beyond that where you have a code that
17 constrains the ability to use your resources
18 wisely where you're required to upgrade when
19 those resources could be used much more
20 effectively and much more appropriately in
21 these other areas simply as opposed to
22 responding to a code that now mandates you to
23 upgrade stuff that might not need to be
24 upgraded.

25 It's nice to have those practices but

1 there should be cost effectiveness and
2 stewardship.

3 MR. HOTTLE: Oh, we agree. We don't
4 want to see any -- any money spent on
5 something not necessary. So -- and there
6 are --

7 REPRESENTATIVE FREEMAN: It might be
8 perceived as necessary, but it might not be
9 the primary objective.

10 MR. HOTTLE: Our -- our goal is to
11 spend the money as wisely as possible.

12 SECRETARY MCGINTY: Best practices,
13 not straight jackets.

14 REPRESENTATIVE FREEMAN: Thank you.

15 MS. COOPER: Just back to on
16 Representative Saylor's question about the
17 sales tax, it would be helpful if you could
18 submit something that showed the financial
19 impact of that proposal.

20 Given the numbers that you laid out,
21 it's hard to figure out the calculation
22 against 25 million. So if you can just submit
23 it as to what you would think that would be,
24 that would be helpful.

25 MR. HOTTLE: All right.

1 SECRETARY MCGINTY: Done? Great.
2 Terrific. Get Kathy to join in. I'm glad.
3 The last one, and then we're going to move on
4 to panel two.

5 MS. PAPE: I just have one question
6 for Bruce. Kathy Pape.

7 Bruce, as a representative of the
8 Contractors Association, do you have any view
9 on standardization of municipal road
10 restoration requirements?

11 We see a hodgepodge all over the
12 Commonwealth.

13 MR. HOTTLE: Yeah. So do we. We --
14 we think that in adopting the standard
15 specification you should -- our recommendation
16 would be you adopt a -- 408 standards for road
17 reconstruction.

18 We see that where we work. An
19 individual township may require a foot of
20 asphalt over pipeline ditch, another one may
21 require four inches or six inches, whatever.
22 They're all over the map right now.

23 Again, that's something that has to
24 be covered at the bid table. You know, and
25 the standardization would save money. I'm

1 convinced it would save money.

2 MS. PAPE: Thank you.

3 SECRETARY MCGINTY: This touches on a
4 point that we may hear in upcoming proceedings
5 actually, unrelated, but I've asked Columbia
6 Gas to come in and talk to us. Because they
7 are trying to formulate an infrastructure
8 upgrade approach that would start with the
9 premise of trying to synchronize as many of
10 these infrastructure projects as possible. So
11 you're not digging up the street, you know,
12 this year for sewer and the next year for
13 gas.

14 And so they've done some serious
15 thinking about that and will come in with a
16 model for our consideration along those
17 lives.

18 I want to thank both Paul and Bruce.
19 Thank you very, very much for kicking us off
20 in such a very good way.

21 We're switching now to innovative
22 measures.

23 MR. BLUEDORN: Thanks, guys.

24 SECRETARY MCGINTY: We have four --
25 one, two, three, four -- five presenters. My

1 suggestion would be let's hear the five
2 presenters, and then maybe we'll grab
3 something to eat and come back to our seats
4 and then have the questions if that suits.

5 Let me welcome Charles Wunz from HRG
6 Consulting. He is also stepping up as one of
7 our work force task groups chairmen. So I
8 appreciate Charles's work with us.

9 MR. WUNZ: I'm a sweetie, too.

10 Madam Secretary, thank you very much
11 for inviting me to speak here to -- today.
12 Thanks also to the elected representatives and
13 the appointed members of the task force for
14 being here.

15 This really is a critical issue to
16 Pennsylvania and obviously it deals with not
17 only the environment but also our economy.

18 I speak to you with over 36 years of
19 experience in this area. My first job started
20 in June 1972 with the Environmental Protection
21 Agency in Philadelphia, and I worked in both
22 the construction grants program and also in
23 the NPDES permit program.

24 After leaving the Environmental
25 Protection Agency, I've worked for two

1 different consulting engineering firms. I'm a
2 registered professional engineer in about nine
3 states and the District of Columbia. I'm also
4 a diplomate of the American Academy of
5 Environmental Engineers.

6 It's with that -- that depth of
7 experience that I come to speak to you today.
8 I've worked on projects throughout
9 Pennsylvania. I'm a Pennsylvania native. I
10 grew up in the town of North East,
11 Pennsylvania which is outside of Erie, and
12 currently I live in Lewisburg.

13 Over my career I have had the
14 opportunity to work on many innovative
15 projects. Those fall into different
16 categories.

17 Certainly the University Area Joint
18 Authority's Beneficial Re-use Water project,
19 the largest water use project in the northeast
20 United States, is really exciting because it
21 not only preserves the environment of Spring
22 Creek and the wonderfully named area called
23 Fisherman's Paradise, it also provides for the
24 continued economic growth caused by the Penn
25 State and State College area economic dynamo.

1 And that's what projects should be.
2 They should be environmentally friendly and
3 they should also not prohibit, they should
4 encourage economic development.

5 Cranberry Highlands project, where
6 water from the Cranberry Township wastewater
7 treatment plant in Butler County is utilized
8 to irrigate Cranberry Highlands Golf Course, a
9 very successful municipal golf course out in
10 southwestern Butler County.

11 Regionalization projects, such as the
12 central Clinton County Water Infiltration
13 Authority. Rich Marcinkevage here on the task
14 force and I worked closely for a large number
15 of years, where instead of building two water
16 treatment plants to serve two water
17 authorities, two water systems, we built one
18 and shared that resource and shared that
19 expense.

20 Regionalization has been important in
21 other areas. For example, I worked on the
22 Edinboro/Washington Township regionalization
23 issue where we're able to now have planning in
24 place to abate a serious discharge to Lake
25 Edinboro which is a glacial lake up in Erie

1 County.

2 I also worked on Saxonburg, which is
3 the largest PENNVEST-funded project in, I
4 think, PENNVEST's history. That serves the
5 Route 8 corridor in southcentral Butler
6 County.

7 So I've had -- I've had a wonderful
8 and very interesting career. And I am going
9 to have just short remarks.

10 But let me just say that -- that I
11 know what the problem is. And the problem is
12 all of us.

13 This is just -- this is just the Pogo
14 thing from the -- from the cartoons. We have
15 met the enemy and he is us. We, quite
16 frankly, have enjoyed way too many years of
17 sewer and water rates that have been too low
18 and now it's kind of time to pay the piper.

19 I really enjoyed the comments and the
20 discourse earlier about the issue of
21 affordability, because I was -- and hopefully
22 nobody from the cable TV industry is here, but
23 I was paying my cable TV bill last night and I
24 noticed it's about -- it's about three times
25 what I pay for sewer.

1 You know, I think -- I think sewer
2 service is mandatory and it creates the
3 society that we live in, and I think we should
4 be more willing to pay for both sewer and --
5 and water service. And now we're in a hole
6 because we haven't been doing that.

7 I enjoyed the comment from the
8 representative from ALCOSAN because it -- it
9 pretty much bolsters what I was going to say,
10 and that is, in general, municipalities and
11 municipal authorities do not fund depreciation
12 accounts and -- from my experience and, as a
13 result, when they face a large project, even
14 though that large project may be very, very
15 predictable, seek an outside source,
16 frequently from -- with the support of their
17 state legislators, with PENNVEST or with other
18 state or federal sources, which, as has been
19 noted earlier, are kind of drying up.

20 This idea of cash flow accounting
21 that -- that many systems use meets their cash
22 flow needs year to year, but just like the
23 pound or so I've gained since high school
24 every year, you don't notice the passage of
25 one year of aging infrastructure or two years

1 of aging infrastructure.

2 But when you get to 20 or 30 years of
3 aging infrastructure, it's like noticing the
4 extra roll around your waist.

5 And that's really where we are today
6 I think. It's kind of a creeping problem and
7 I think it's -- it's crept up on us and it's
8 here now.

9 We're all very familiar with the age
10 of our infrastructure. So much of it was
11 built starting in the '50s, '60s, and '70s,
12 and -- and what are we to expect but more --
13 more aches and pains. It should be pretty
14 obvious.

15 And to some extent I think that --
16 that maybe we do have a little bit of an
17 upside down system here, and I certainly
18 intend none of my remarks to be -- to be
19 critical but rather my opinion.

20 And that is we seem to have somewhat
21 of a program now dealing on the best wishes
22 and the best thoughts and good thoughts of our
23 state representatives and the availability
24 of -- of PENNVEST dollars and other grant
25 dollars to -- to have absolutely no rewards

1 for the most -- financially best managed
2 systems but perhaps arguably financial rewards
3 for the systems that are least well managed.

4 That's a concern, because I think it
5 encourages just the opposite of what we want
6 to encourage, which is good financial
7 stewardship.

8 I'm, in fact, going to be in charge,
9 I guess, of the innovative measures work
10 group, and -- and I kind of see that task as
11 throwing a net in the water and catching all
12 the fish that come into the net and then
13 sorting through all those fish and deciding
14 perhaps which of those stay within the
15 innovative measures and which of those might
16 go to some of the other work groups for
17 further evaluation.

18 Certainly some of the things that
19 were already discussed today are very obvious
20 issues and so important that I -- that I added
21 them to my list.

22 The promotion of regionalization
23 concepts where the idea that there are
24 economies of scale, which are very apparent,
25 needs to be promoted.

1 For a while in the 1970s there was a
2 huge backlash against regionalization. There
3 was an idea that interceptor sewers running
4 from one community to another community
5 would -- would sponsor growth.

6 I've always felt that we needed to
7 let land development and zoning requirements
8 deal with that and we'll deal with
9 infrastructure at the lowest possible cost to
10 provide it.

11 But regionalization doesn't mean only
12 building pipes and fewer treatment plants, be
13 they water or sewer. It can be sharing of
14 laboratory facilities, of sludge processing
15 facilities, of -- of specialized equipment for
16 leak detection or for flushing of sewer
17 lines. It can be management, operation and
18 maintenance kind of concepts, MOM concepts.
19 Where systems could be separately owned but
20 managed by one entity.

21 There are obvious things such as the
22 sharing of staff. Maybe one executive
23 director for several authorities, that can be
24 accomplished. Satellite systems such as the
25 one that I can cite in Derry Township, very

1 near here, obviously reduces the cost of -- of
2 providing -- providing sewer service to the
3 southern area of the Derry Township service
4 area. They basically have an unmanned plant
5 and all the -- all the functions at the plant
6 are reported back to the -- to the big plant
7 that is manned.

8 Mutual support agreements are pretty
9 obvious -- obviously needed when there are, in
10 fact, water main breaks or -- or sewer clogs
11 or issues like that.

12 The discussion of standardization,
13 which was brought up by the earlier panel, I
14 think, is one that comes with
15 regionalization.

16 It's very important that -- that we
17 not -- as we serve the environment, that we
18 don't become an impediment to economic
19 growth.

20 And I -- I understand the difficulty
21 that -- that contractors and developers have
22 when they face a different standard for water
23 and sewer service in every one of
24 Pennsylvania's municipalities.

25 That's a gross overstatement. It's

1 not that bad, but it is a concern in many
2 locations and one that needs to be addressed.

3 In addition to the idea of
4 organization, there are accounting and -- and
5 financial innovative issues that can -- that
6 can be addressed. I already mentioned the
7 one, which is rate structures based on the
8 actual cost of doing business, which would
9 include a component for addressing
10 depreciation.

11 One unique idea would be to perhaps
12 have the funding source, be it at a state or
13 federal level, kind of say to the grantee,
14 we're going to give you the grant for this
15 project but that's the last grant you're going
16 to get for this project. You have to pay for
17 keeping it going on your own rate structure.

18 The idea you can't go back time and
19 time and time again while avoiding the issue
20 of having adequate rates is -- is one that I
21 think needs to be addressed.

22 There's a common issue here and that
23 is the funding of capital projects, be they
24 financed through debt or through equity, and
25 it has to do with what are the customers that

1 pay for this.

2 If you finance a project through
3 equity, the existing customers have paid for
4 the project. If you finance it through debt,
5 the future customers pay. That's an important
6 issue.

7 I like the comments about bidding
8 minimums. We have struggled with that with
9 one of my authority clients, and what we have
10 done is we've developed a -- a -- indefinite
11 quantity construction labor contract concept
12 where we bid it every three years and the
13 various projects that are done at the
14 treatment plant then are done under work
15 orders without separate bids. The cost of
16 these contractors to bid, to get bonds and
17 insurances for as little as 20 and 30 and
18 \$40,000 projects is extremely high and I
19 certainly endorse those comments made -- made
20 earlier.

21 There was -- there was a few shots at
22 engineers earlier and so I happen to maybe
23 anticipate those. There is a need for right
24 sizing. Right sizing became an issue toward
25 the end of the EPA grant programs where they

1 said you can build it so big but you can't
2 build it bigger than that.

3 And I can't tell you how many Act 537
4 plans I might see that talk about the small
5 municipality doubling in size in the next 20
6 years when it hasn't doubled in size in the
7 last 200 years.

8 Interesting thing about too big
9 facilities is that they can be as hard to
10 operate as too small.

11 The idea of efficiency audits, you
12 know, how do we use staffing? How do we use
13 electricity? Are we using our best methods
14 for sludge disposal, or infiltration and flow
15 removal and leak detection, et cetera.

16 I have one client that decided that
17 he didn't want to have to run his blowers at
18 his sewage treatment plant all the time. He
19 could turn them off and on. Well -- and still
20 meet all his effluent limitations.

21 You know, what a great idea, because
22 it reduced his electric bills by about 30
23 percent when he just did that. I'm not saying
24 it will work everywhere, but those are the
25 kind of thoughts that we need to try to

1 encourage.

2 SECRETARY MCGINTY: One more comment,
3 Charlie? Just so that we can accommodate the
4 other panelists.

5 MR. WUNZ: Okay. Sorry about that.

6 SECRETARY MCGINTY: No. No. You're
7 doing great. I'm just thinking people are
8 looking at that lunch over there.

9 MR. WUNZ: Okay. I didn't see it or
10 I would have already been done.

11 One other thing to say, and that is
12 maybe not for this session, but -- but within
13 the department, in addition to aging
14 infrastructure, I think we have aging
15 operational staff, and -- and we need to look
16 at what -- what incentives, what training
17 programs can we -- can we utilize to get the
18 younger folks back -- back into wastewater and
19 water treatment.

20 And that's a problem. It's more or
21 less in different areas of the state, but I
22 think it's a significant issue. And with
23 that, I'll end my comments. Thank you.

24 SECRETARY MCGINTY: Thank you very,
25 very much. And also we'll be tight on space

1 up there, but somehow if you'd be able to hang
2 around and anticipate the questions that are
3 put to you, I'd appreciate it.

4 Let me invite Dr. Bernard Sweeney.
5 Bernard Sweeney, very glad that he's taken the
6 time to present to us today.

7 I think Stroud Water Research
8 Institute is certainly a -- a real jewel that
9 we have in Pennsylvania and its work is really
10 known across the country, if not around the
11 world.

12 Bern, it's nice to see you. Thank
13 you for joining us.

14 DR. SWEENEY: Thank you for inviting
15 me. My pleasure to be here to testify before
16 this important committee.

17 Sorry, I have a little bit of a cold,
18 but I'll venture through this. We have a --
19 whoops. I have a PowerPoint presentation.

20 I do have a copy of the PowerPoint.
21 I hope everybody got it. If you didn't,
22 e-mail me and I'll send it to you.

23 Can we turn the lights down? The
24 lights.

25 My first comment is that this is a

1 Pennsylvania-based testimony in the sense that
2 Stroud Center is a Pennsylvania-based
3 not-for-profit. The data that I'm going to
4 report to you was all generated within
5 Pennsylvania. And I was born and educated in
6 Pennsylvania.

7 The issue that I was asked to come
8 and testify about is should restoring
9 streamside forest be considered an important
10 part of the infrastructure to reduce the costs
11 of drinking water for downstream users?

12 The answer is yes. Thank you for
13 inviting me. Let's eat. No.

14 SECRETARY MCGINTY: First, we have
15 engineers with personality. Now, we have
16 Ph.D.s with personality. What is that all
17 about?

18 MR. SWEENEY: So why is -- why is --
19 why is the answer yes? Of course, I'm not
20 finished. Why is the answer yes?

21 Because the cost of filtering and
22 treating drinking water goes up in response to
23 increases in the amount of stuff, unwanted
24 stuff that's in the water.

25 Riparian forests can keep that stuff

1 out of our drinking water supply streams and
2 also can keep it from moving downstream to the
3 water intakes of our towns and cities.

4 By stuff, I mean -- and stuff is a
5 great word. It can describe a lot of things.
6 I mean things like dissolved organic
7 chemicals, suspended sediments, nutrients such
8 as nitrogen, microscopic bacteria and animals,
9 pharmaceuticals, and on and on and on.

10 The stuff is what gets expensive to
11 remove from our drinking water systems. And
12 that's what we're talking about.

13 I'll take you to Philadelphia for a
14 case study that we just finished to try to
15 drive home some of these points.

16 It was regarding the Schuylkill River
17 Watershed, which supplies Philadelphia with
18 about half of its drinking water. So about
19 half of the water in Philadelphia comes from
20 this river.

21 And these are 125 tributaries of the
22 Schuylkill River that we just finished doing
23 the evaluation of water quality on and, as you
24 can see, the water quality score goes from
25 zero to 20.

1 Zero being a stream that is
2 effectively dead. 20 being a stream that
3 probably supports brook trout.

4 And a stream that is 10, or in fair
5 condition, I warn you, has already lost half
6 of the plants and animals that will typically
7 live in it. Okay. So fair is definitely not
8 good.

9 Four hundred, five hundred years ago
10 each one of these bars went right up to the
11 top. Each one of these streams would have
12 been in pristine condition. Brook trout
13 thriving in them. But as you can see, they
14 don't go to the top now. There's actually a
15 huge chunk of white space here, and that white
16 space is lost water quality from these --
17 from this system.

18 So on the average about half of the
19 water quality has been lost from the
20 Schuylkill River Watershed.

21 There's no question of why the city
22 of Philadelphia has to spend a enormous amount
23 of money treating and filtering this water.
24 There's a lot of stuff in it.

25 We analyzed this data a few weeks

1 ago, and we asked the question, what single
2 factor best explains the variation of water
3 quality across 125 streams. And the answer
4 was the percent of forest covering the
5 watershed.

6 We were a little bit surprised, but
7 we shouldn't have been, because back in 1994
8 the American Water Works Association published
9 this chart which showed that if they took
10 their drinking water from a watershed that had
11 60 percent forest in it, at that time it cost
12 \$37 to treat per million gallons.

13 If they took their drinking water
14 from a watershed that had ten percent, it cost
15 about three times that amount to wat -- amount
16 of money to treat the water because there's a
17 lot more stuff in it and that stuff is
18 expensive to remove. This is a no brainer.

19 So getting back to the Schuylkill
20 River tributaries, yeah, the cleanest streams
21 on this side of the chart, these are the
22 cleanest streams in the Schuylkill River, had
23 the highest percent forest cover and the worst
24 streams had the lowest percent forest cover.

25 So whenever you trade trees for

1 humans and human activities water quality
2 suffers. The more forest in the watershed --
3 our interpretation, the more forest in the
4 watershed, the more small streams that are
5 completely forested.

6 So any one of those 125 tributaries,
7 if you looked at the watershed, it would look
8 something like this. A lot of tiny little
9 streams, intermediate size, medium size
10 streams, and so on and so forth.

11 If 60 percent of this watershed is
12 forested, almost by default we have a huge
13 percentage of those small streams that are
14 completely forested and protected by a
15 streamside forest.

16 These small streams occur throughout
17 every one of those watersheds. It's not like
18 they're concentrated in one corner or
19 another.

20 Also the small gullies that lead the
21 water to those streams are all over the
22 watershed surface. They're abundant and
23 they're everywhere.

24 These are the major points of entry
25 of contaminants in our watersheds. This is

1 where we need our most protection.

2 So forests along small streams help
3 keep the stuff out, plus they increase the
4 capacity of the stream to self-purify. What I
5 mean by self-purify for a stream, is the
6 ability of the stream ecosystem itself to
7 process, degrade or sequester contaminants
8 before they move downstream to water -- to our
9 cities and towns.

10 Let's look at two case studies that
11 will try to drive home this point and -- and
12 prove to you that's the case.

13 The first case study is a long-term
14 study at the Stroud Preserve where we tested
15 the 95-foot wide riparian forest buffer
16 protocol published by Dave Welch in 1991. It
17 was started in the 1919. It was funded in
18 part by Pennsylvania DEP and U.S. EPA.

19 What we did was we took a small
20 stream that had a cornfield growing right to
21 its edge. We moved the cornfield upstream.
22 We planted a forest. We created a level-lip
23 spreader to deal with surface run-off. We
24 drew monitoring wells to look at the water
25 chemistry that was coming off of these

1 cornfields and we studied it for the last 16
2 years.

3 Okay. Here are the average results
4 for the last ten years or so. Nitrogen
5 removal, 26 percent removal by this system.
6 Suspended sediments, 43 percent removal.
7 These are two of the big actors in drinking
8 water treatment.

9 This is both a good news and bad news
10 story. Because the good news is that, yes, we
11 removed 26 percent of the nitrogen and 43
12 percent of the sediment. The bad news is
13 that, yes, 74 percent of the nitrogen is still
14 going into the stream and 57 percent of the
15 sediment is still going into the stream.

16 So that's why we need the stream
17 itself to play a role in this water filtration
18 and treatment.

19 Case study number two, looking at
20 self-purification. The ability of a small
21 stream to process organic matter and remove
22 nutrients with or without a streamside
23 forest.

24 This is a study we completed a couple
25 years ago where we studied 15 streams in

1 Pennsylvania and we compared the ability of
2 the stream to process nutrients and unwanted
3 materials if the stream didn't have forest on
4 it, like this little segment here, or if it
5 did have forest, like this little segment
6 here.

7 So these are paired reach studies.
8 In other words, we compared with what was
9 happening there with what was happening
10 there. The difference mainly being the
11 presence or absence of trees.

12 This is one of our study sites. This
13 is a deforested study site obviously. I'm
14 going to turn the camera around and show you
15 what this stream looks like as it flows into
16 forest. I think anybody would agree that they
17 could jump across this stream. Anybody in
18 this room.

19 There is the stream looking down
20 stream. Nobody in this room could jump across
21 that. If you could, we'll sign you up for the
22 Olympics.

23 The stream is significantly wider.
24 Forested reaches are significantly wider than
25 adjacent deforested reaches. Up to three

1 times wider. That was one of the most
2 significant findings of the study.

3 So you say to yourself, what the heck
4 does that matter in this -- in this regard?
5 It's a huge, huge matter.

6 The reason is that the filtration and
7 treatment process in a stream occurs on the
8 stream bottom. So if you have a forested
9 stream that's twice as wide as a deforested
10 stream, you have a lot more bottom area for
11 each length of stream where you have filter
12 and treatment capacity.

13 Okay. So forested streams have
14 greater treatment capacity per unit length of
15 stream.

16 Our findings show that we had
17 significantly more nitrogen that was taken up
18 by forested reaches, up to ten times more, and
19 significantly more organic matter was
20 processed in these streams, up to five times
21 more if they were forested. This is huge.

22 These findings have been corroborated
23 by other studies across the country. In fact,
24 the fact of the matter is that stream systems
25 can process anywhere from 27 to 75 percent of,

1 for example, nitrogen that's put into them.

2 That's huge. That's a huge capacity
3 for water treatment.

4 So streamside forests can reduce
5 costs of treating drinking water due to
6 nonpoint source pollutants. So if nitrogen --
7 if nitrogen is coming into a small stream from
8 a farm field like this, having a streamside
9 forest will help that stream, helps to keep
10 that stuff out of the stream, but will also
11 help that stream to process it.

12 But also it's best management
13 practice for point source pollution, because,
14 let's face it, if you put a stream region in a
15 position to better process nitrogen that
16 stream doesn't care whether that nitrogen is
17 coming from a farm field or coming out of a
18 sewage treatment plant. It's still going to
19 be doing a better job of processing it.

20 So the take-home message for the
21 committee is that streamside forests do reduce
22 the costs of treating and filtering drinking
23 water by keeping the pollutants out and by
24 keeping them from moving downstream.

25 Tree do clean our water. Every tree

1 counts in the watershed, especially next to a
2 stream. The wider the forest the better.

3 This is where the fair share plan is
4 being played by the Pennsylvania Farm Bureau,
5 the Chesapeake Bay Foundation, and others can
6 really play a role where we can get this
7 infrastructure on the ground now where we need
8 it.

9 Every tree definitely counts in the
10 watershed.

11 This person gets it. I -- I hope --
12 I hope that the committee gets it.

13 Thank you.

14 SECRETARY MCGINTY: Thank you very
15 much, Bernard. I really appreciate that
16 stretching our part is what constitutes
17 infrastructure.

18 John Schombert, welcome, 3 Rivers Wet
19 Weather project. John.

20 MR. SCHOMBERT: Thank you very much
21 for me being invited today. I'm also chair of
22 the needs committee, but this is a little
23 different topic today. I think that -- okay.
24 We're ready.

25 I think the idea that 3 Rivers Wet

1 Weather was invited to the innovative
2 presentation was -- was a good sign for us.

3 We're talking about an innovation
4 approach. This is not technical innovation.
5 This is how we approach the problem basically
6 in redo. I'm going -- I guess that does it.
7 No. Here we are.

8 We got to do a little company
9 advertisement here, because that's really some
10 of the innovation here. 3 Rivers Wet
11 Weather -- we were originally called 3 Rivers
12 Wet Weather Demonstration Program, but we
13 realized a few years into our -- our work that
14 demonstration was not the issue here.

15 It's really change. It's
16 facilitation. It's collaboration. It's that
17 kind of change.

18 But the innovation was that we
19 created a non-profit organization through a
20 partnership between a regulatory agency, the
21 Allegheny County Health Department and a
22 public works agency, ALCOSAN.

23 Bill Inks is here representing the
24 watersheds, and we have been partnering with
25 ALCOSAN on this project for ten years and

1 we've had a lot of legislative support, both
2 at the state and federal level.

3 Our real goal here is -- is not just
4 to bring in the technology, because that --
5 the technology will follow the problem. The
6 idea here is to demonstrate and facilitate a
7 regional approach for our area that includes
8 some of the things you already heard about,
9 like standard engineering protocols. Every
10 community in our region wanted to know, well,
11 if I'm going to do this, what are they doing
12 next door? Are we all going to be doing the
13 same thing?

14 And I think the fact that we have
15 consent orders now for 83 municipalities in
16 Allegheny County -- Allegheny County Sanitary
17 having a federal consent decree has kind of
18 put the program together over the next 18
19 years or so on how our region is going to move
20 forward.

21 We had to work very closely, even
22 initially, through the development of a --
23 helping DEP and EPA negotiate and facilitate
24 the development of a region -- a consistent
25 consent order for all the municipalities to

1 sign on. Whether they're combined source
2 system or sanitary sewer system, they
3 basically have the same work schedules and
4 work direction to go in this process.

5 We have had what we consider
6 substantial and lengthy -- the longest
7 federally funded project of this kind under
8 the federal Clean Water Act, thanks to Senator
9 Specter, and most recently Senator Casey.
10 We've had a lot of support from our local
11 congressmen as well.

12 And we've had a consistent roll out
13 of grants to us. We have now seen the state
14 step up with a couple of million dollars over
15 the last three years consistently to help us
16 do some of our regional projects.

17 But the real project here is
18 governance. A term I'll steal from the
19 University of Florida, an author down there,
20 is adaptive governance.

21 Just to give you a sense of the --
22 the challenge here in Allegheny County, is
23 that we have one sewage treatment plan,
24 ALCOSAN, serving 300,000 customers, almost a
25 million people in that area. Over 265 square

1 miles we have -- through 83 municipalities.

2 4,000 miles of publicly owned sewer pipe.

3 You add to that approximately 4,000
4 miles of private domain pipe. That's --
5 that's from your house to the street or the
6 shopping center, that sort of thing. Made up
7 of 82 municipalities -- suburban communities
8 in the city of Pittsburgh. The city of
9 Pittsburgh is about a third of the system.

10 In addition to that mix, we have ten
11 operating authorities or financial authorities
12 within the mix.

13 So this is really, you know, part of
14 the problem. We have governance that, if we
15 have to make decisions right now, over 500
16 elected officials and 75 appointed officials
17 are involved in that decision process.

18 I can't see how we can move forward
19 with that kind of governance. We need
20 adaptive governance.

21 I want to just make a note. We've
22 been working with Secretary Myers' staff and
23 approached -- had some discussions a couple
24 years, or about a year and a half ago now, on
25 the concept of integrated plannings, water

1 planning.

2 Those projects have been kicked off.
3 We got some early meetings set up in Allegheny
4 County on the Chartiers Watershed, which is
5 two counties -- and here's the innovation --
6 Washington and Allegheny, working on one
7 watershed to -- to look at ways where all of
8 the regulations and planning components that
9 influence water uses, Sewage Facilities Act,
10 the Stormwater Management Act, the Flood --
11 stormwater -- or the Flood Control Act, the
12 municipal planning codes, all have some
13 influence on -- on managing within a
14 watershed, but they don't integrate.

15 And for the first time, looking at
16 pulling these processes together and seeing
17 what changes may need to be made, hopefully
18 some day we'll be making some recommendations
19 from all this to the legislature on how to
20 make this work.

21 To give you a quick sense this is --
22 all the little fine lines up there are the
23 4,000 miles of publicly owned pipes.

24 To start the process off what -- we
25 couldn't work with 83 municipalities. That

1 was -- it was just a little too cumbersome.
2 So you can see some shading there north of the
3 rivers, east of the rivers, and south of the
4 rivers, we've created three working groups,
5 three basic groups. These are made up --
6 initially were made up of elected officials.

7 Each community was asked to appoint
8 two representatives to these committees. For
9 the early part of our process, the first few
10 years leading up to the consent orders, we had
11 a very high percentage of participation in
12 this process from the elected officials.

13 Once the consent orders were signed
14 they kind of lost a little interest. But we
15 still maintained the same structure, the
16 working relationships, because it puts 25 to
17 30 municipalities in each basin.

18 By the way, in Allegheny County you
19 don't cross rivers to meet with people so this
20 works out well for those members, too.

21 So there's a lot of reason why people
22 have become a little closer in relationships
23 on other working projects, like other public
24 works projects, like streets and so on.

25 But now we work at the same scale but

1 with the professional staff, the engineers,
2 the managers, to work through the issues of
3 the consent order on how to continue to move
4 everybody along with the same agenda.

5 One of the next issues that we needed
6 to do in this whole process was identify the
7 leadership and establish the communications.
8 And I'm going to talk a little bit more about
9 that.

10 First of all, it was developing a
11 slate of influential leaders. Locally we --
12 we've had people that have been with our basin
13 groups for the entire ten -- almost the entire
14 ten years of our process here.

15 And I think that's just amazing.
16 Because you have a term of office in most
17 municipalities of two years, and our turnover
18 has been fairly limited. And -- and the key
19 people are people who are well organized -- or
20 well associated with the municipalities and
21 they continued their association with us.

22 We also looked for those -- to
23 identify those energetic people, those message
24 carriers that will take your message out to
25 their constituents and to the public,

1 continually, and keep them engaged.

2 But you also have to engage the
3 people who are your dissenters, and that was
4 an argument that we had early on with many of
5 the municipalities, well, we don't want that
6 guy, because he doesn't agree with this
7 process. Well, yeah, that's why we want that
8 guy.

9 I think you have a panel here that
10 has some of that same interaction as well, as
11 I look -- as I look through the leadership on
12 this panel.

13 So obviously we've worked with
14 academia. Ty Gourley here, Gary Stokum, we
15 worked on a number of different projects, most
16 recently with the Institute of Politics at
17 Pitt, to develop some regional alternatives.

18 We tried to engage as much as
19 possible our councils of government. They
20 have the ability to do some -- some initial
21 regional approaches, like joint bidding.

22 Part of the consent order is there's
23 a huge assessment process for the
24 municipalities to -- to close-circuit televise
25 and inspect all 4,000 miles of pipe over a

1 six-year period.

2 There was joint bidding on that that
3 brought in a tremendously economical price of
4 about -- I believe in the area of a dollar
5 ten, a dollar twenty-five a foot for
6 televising, which is just the opposite of what
7 we expected when we saw all this work coming
8 to the region.

9 We thought there might be a lot of
10 competition between municipalities driving the
11 cost up and just the opposite has happened
12 because of the regional approach.

13 I -- I want to thank the state and
14 local officials for their support. Our board
15 bylaws require that there be a sitting
16 legislator on our board and we've got two
17 volunteers.

18 We've got Representative Harry
19 Readshaw, who's also the chairman of ALCOSAN
20 and creates a great association there. And
21 Senator Jay Costa from Allegheny County also
22 on the board.

23 They keep us connected to Harrisburg
24 and what's going on.

25 There's a big hill between Harrisburg

1 and Pittsburgh that you drive over. You've
2 probably noticed it.

3 But sometimes the communication is --
4 is a little difficult that direction, too.

5 And keeping the media involved. We
6 have some -- some people in the media that we
7 know will get the message consistently out on
8 the issue. You make -- got to -- whoops.
9 Yeah. Got to keep up here.

10 But you've got to make sure that the
11 message is consistent and concise.

12 Again, I mentioned vested message
13 carrying, finding people who will continually
14 speak for you so you don't have to speak all
15 the time.

16 We built that message over time. The
17 message went from talking about
18 regionalization. We even had hour-long
19 discussions -- many hour-long discussions.
20 And when did we start using the word
21 regionalization publicly? I look back at that
22 now and I thought how silly that sounds. And
23 I'm sure it does to you.

24 Now, we talk openly about the need to
25 consolidate the system. You've got the county

1 executive, Dan Onorato, willing to -- he
2 understands completely what a role for
3 economic development in the region it is to
4 make sure we comply with these consent
5 orders.

6 And no one can figure out how to do
7 that without openly talking about the need to
8 consolidate this public utility.

9 We've got a broad participation of --
10 in our audience of -- of ratepayers, municipal
11 officials. The municipal managers are key.
12 They really make a lot of the decisions for
13 the community.

14 And, again, the engineering
15 community. Our working groups, flow
16 monitoring working groups. One of the largest
17 flow monitoring programs to quantify the wet
18 weather and dry weather flows from this 4,000
19 miles of pipe.

20 That project is going on in Allegheny
21 County. It's one of the largest ever done in
22 the United States.

23 ALCOSAN is the leader on that
24 project. On behalf of the municipalities,
25 they're implementing a plan that 3 Rivers Wet

1 Weather put together for the municipalities,
2 as well as their responsibility under their
3 consent decree.

4 That's collaboration. That's the
5 kind of work -- this is -- now that the
6 consent orders and consent decrees are in
7 place, we have an opportunity to work this way
8 together.

9 Frankly, I'm not going to -- I hope I
10 don't offend anybody. The lawyers aren't
11 involved anymore. We've got the decision
12 makers involved in this process to make sure
13 that we move forward.

14 The -- the next item was we do all
15 this. The municipalities have to collect an
16 enormous amount of data through this
17 assessment process.

18 I want to be clear that the consent
19 orders that the municipalities have is not
20 fixed. ALCOSAN takes them out to 2026.

21 Bill, right?

22 MR. INKS: Yes.

23 MR. SCHOMBERT: That's 2026. And
24 that is the fix. That's through the long-term
25 implementation and long-term control plan.

1 The municipalities' consent orders
2 end in 2012, task-wise anyhow, with the
3 culmination of a planning and assessment
4 process. How do we move forward from there?
5 And that's -- that's part of the tools that
6 we're developing.

7 One is if we're going to collect all
8 this data, let's do it in a way that we can
9 store the data so it starts to support an
10 asset management program, something that we
11 can hand on to others.

12 So I'm going to quickly, on the
13 communication, what we've -- the way we've
14 done is that we meet, the meetings are us. We
15 could operate a catering business with as much
16 coffee and doughnuts as we put out there.

17 We make sure the agenda is concise,
18 clear. We've got time limits, hour-and-a-half
19 meetings. We try to have them facilitated.
20 Our -- our core basin group chair is pretty
21 good at facilitating meetings.

22 And we make sure that we include the
23 right kind of speaker. ALCOSAN is the main
24 focus right now, describing their consent
25 decree process, their facilitated planning

1 process, so they're in a direct role with our
2 stakeholders at this point.

3 And making sure we have follow-up.
4 We have a basin reach newsletter that we send
5 out periodically to keep those who aren't
6 routinely engaged with us engaged in the
7 process as well.

8 But as I mentioned the key here of
9 moving forward is the establishment of a
10 database tool for communication. We're doing
11 that through a site that we call a municipal's
12 data support site.

13 The innovation here is that this is a
14 two-way street. We have a prototype up there
15 right now that's going through a revision
16 under a grant we have from DEP to basically
17 create a much better facilitative process so
18 there's a value added back to the
19 municipalities. So they have a reason to come
20 to this site, dump their data in, and know
21 what they're get back is going to be better.

22 Little things like being able to
23 impose the sewer maps over Google Earth, being
24 able to show an elected official with the
25 topography relief of a Google Earth map and

1 the sewer lives imposed -- in contour with
2 that map.

3 What a visual that is for the elected
4 official, instead of looking at a
5 two-dimensional pattern here and trying to
6 figure out, well, how does the sewer work?
7 There's no uphill or downhill when you look at
8 a schematic. Generally, as engineers, we look
9 at schematics and see, well, it doesn't seem
10 to -- you know, we know what up and down --
11 what up and downhill are but the elected
12 officials don't understand that.

13 One of the first projects that we did
14 was a regional project, again, with a DEP
15 grant, thanks to our legislature, was the GIS
16 mapping. The entire system, 4,000 miles of
17 pipe had to be mapped in about two years.

18 We could have had 83 maps. We could
19 have one map. We worked with the
20 municipalities. Under this grant we were able
21 to use modern technology, satellite GPS
22 technology, to create a first version of the
23 one overall map of this entire sewer system,
24 which is really made up of about 163 separate
25 maps that had been integrated and digitized

1 now.

2 The municipalities' condition needs
3 to go on this site. As they do their
4 assessment, the flow monitoring data that's
5 being generated right now for the next 11 more
6 months needs to go on this site, after it's
7 been quality assured and quality dated, and
8 this needs to be kept up and maintained
9 frequently.

10 Some of the other strategies that
11 need to be run by a business -- this goes back
12 to the asset management, the collecting of all
13 this information so it can be folded into an
14 asset management concept.

15 There's a long-term control plan that
16 ALCOSAN will be creating. The municipalities
17 have to do a feasibility study to merge
18 together so the region moves forward with a
19 lot of activities.

20 And, again, running this as a
21 business, as a utility, rather than an
22 individual municipal government, pain in the
23 necks, basically to most elected officials,
24 is -- is really our goal.

25 So what's the definition of success?

1 Well, in the municipal consent orders -- but
2 basically in the ALCOSAN consent order water
3 quality is that -- is that big role.

4 But we also need to recognize that
5 this isn't just a matter of meeting a goal on
6 water quality. Part of our message to our
7 communities is that this infrastructure is
8 also an important component of public health.
9 I have a lengthy public health background so
10 this really is meaningful to me.

11 It's also the quality of life for
12 Allegheny County. We have three rivers. We
13 actually have four rivers. Let's not forget
14 about the Youghiogheny. It's in Allegheny.
15 It comes into Allegheny County as well.

16 But the recreational use of those
17 rivers is substantial. The -- the growth of
18 new facilities, the casino and stadiums along
19 the riverfront, the highest number of boat
20 registrations anywhere in the United States,
21 inland boat registrations anywhere in the
22 United States, is what Allegheny County is all
23 about.

24 And what has been helpful to us,
25 particularly for the county administration, is

1 for their recognition, investing in this
2 infrastructure, water, sewer infrastructure,
3 this economic development.

4 When we started this process, as the
5 Secretary knows, there were about 45
6 communities that had tap-in prohibitions
7 because of waste load overloads in their
8 collection system within these 83
9 municipalities.

10 Consent orders would relieve them
11 immediately of that overload as long as
12 they're moving forward and complaint -- I'm
13 sorry -- relieve them of that tap-in
14 prohibition as long as they were moving
15 forward in addressing the compliance with the
16 consent orders.

17 And with that, here is my correct
18 information. We have a great website. And
19 thank you very much for the time.

20 SECRETARY MCGINTY: Thank you, John,
21 very much. And, again, if you could remain
22 for questions there as well.

23 Rob Wendelgass, Clean Water Action.
24 Come on up. We have two more presentations,
25 then a break to get something to eat, and come

1 back around the table for questions.

2 While Bob is coming up, Steve Moyer,
3 why don't you just come up as well and we'll
4 place you up there. There are two seats that
5 are -- are open.

6 MR. PAUL SCHWARTZ: Secretary
7 McGinty, I am playing Bob Wendelgass on TV.

8 SECRETARY MCGINTY: Oh.

9 MR. SCHWARTZ: Bob is right here and
10 I'll speak to -- my name is -- good afternoon.
11 My name is Paul Schwartz. I'm with Clean
12 Water Action as well, out of the Washington,
13 D.C. office.

14 I -- I appreciate that Steve and I
15 are all that rest between the commission and
16 lunch, and we'll hope that my remarks prick
17 some debate.

18 What I want to talk today about in
19 invocations is how we get to a sustainable
20 water system management from site to watershed
21 and how we meet the 21st Century sustainable
22 clean and safe water challenge.

23 I think Secretary McGinty, Governor
24 Rendell and you really deserve a lot of credit
25 for taking leadership, thinking nationally,

1 thinking across the built infrastructure
2 platform, and by your willingness to take on
3 sacred cows so that we can chart a course for
4 environmentally and economically sustainable
5 and healthy communities.

6 Especially of note is the America
7 2050, a forum that will happen tomorrow in
8 Washington, D.C. and build America's future
9 and other fora that this state picture is part
10 of as a national conversation about how we
11 move forward.

12 Clean Water Action has a good vantage
13 point from which to develop one frame and to
14 help put forth concrete solutions to be a key
15 support in implementing strategies that move
16 us forward together.

17 We've been around since 1971 and
18 helped to draft the original Clean Water Act
19 and Safe Drinking Water Act out of the
20 advocacy community.

21 We now are in 20 states with a
22 million members, 100,000 of whom are
23 ratepayers and taxpayers through most of the
24 municipal authorities sitting here in the
25 room.

1 We're also very supportive of the
2 efforts for the feds and the states to raise
3 money and contribute to municipalities through
4 PENNVEST and through the clean water and state
5 revolving -- clean water and drinking water
6 state revolving funds.

7 We worked hard to see those
8 authorizations, to try to get those
9 authorizations fully met or bumped up, and we
10 worked hard against the diminishing of those
11 appropriations.

12 We've also worked with the water
13 infrastructure network, which includes many of
14 the folks sitting around here, on varieties of
15 nonappropriated streams through trust funds.

16 We want more money, but we want them
17 better spent. Really what I'm here today to
18 say in unequivocal terms is the big-pipe era
19 is over. Big pipe, centralized infrastructure
20 for water, stormwater, and wastewater is not
21 sustainable for Pennsylvania or the United
22 States over the long term.

23 These municipal systems consume too
24 much water, disrupt too many ecosystems, and
25 use too much energy to move water and

1 wastewater around.

2 Growing populations, increasing land
3 development, and climate change will make
4 these problems much worse.

5 Sustainable water systems in the
6 future will use, treat, store, and reuse water
7 efficiently in a small scale and will blend
8 designs into restorative water hydrologies.

9 We seek to promote federal
10 legislation as part of the picture, along with
11 the state, to promote these designs that would
12 include:

13 Funding for research and
14 demonstration projects.

15 Tax incentives for builders and
16 homeowners.

17 Development of national standards for
18 water efficiency.

19 Green collar job education and
20 training programs.

21 Funding for state and local
22 government entities to prepare long-term
23 integrated water resource management plans
24 that meet minimum criteria such as including
25 all of the following pieces:

1 Wastewater; water supply, treatment
2 and distribution; stormwater; source water
3 protection; floodplain protection; protection
4 of wetlands and forested lands and buffers;
5 and other aquatic resources.

6 And involving cross-agency
7 implementation planning that would prioritize
8 for all types of federal and state funding
9 those investments identified through a
10 long-term integrated water resources
11 management plan.

12 That's the type of focus that we
13 want.

14 As many have already stated today,
15 our current water infrastructure is on a path
16 to failure. Many big pipes transporting water
17 to and wastewater away from our cities are old
18 and under capacity. Existing methods of water
19 use and wastewater treatment are wasteful and
20 environmentally disruptive.

21 But could this big problem be an
22 opportunity? If you had a 10-year-old car
23 with \$7,000 worth of repairs, what would you
24 do? What would you do with your own car?

25 Use the visual image. Why are we

1 not -- so why not use the reality of the
2 deteriorating and deteriorated infrastructure
3 as a rationale for investing in 21st Century
4 next-generation technologies and designs?

5 There's a concept in asset
6 management, one of EPA's four pillars which
7 have been referenced here, called run to
8 failure, where it is efficient to stop
9 repairing the old system and eventually to
10 replace it with something new.

11 Since much of our old and outdated
12 water and wastewater is, according to EPA,
13 NACWA, AMWA, AWWA, ASCE, and a plethora of
14 other acronym-based organizations, at the end
15 of its useful life and ready to break down, we
16 have a golden opportunity to leapfrog into the
17 future as developing countries such as China
18 and India are doing.

19 I know that calling our essential
20 infrastructure's failure an opportunity may
21 strike many of you as counterintuitive. But
22 if we kept these systems in good shape, we
23 would actually have fewer opportunities to
24 shift to new solutions.

25 Let me be the first to knowledge that

1 our old paradigm has saved lives by reducing
2 pathogen exposures and preventing some
3 periodic flooding, but this 19th Century
4 Victorian era solution set by piping clean
5 water into cities and building drainage and
6 sewage pipes to take away stormwater and
7 wastewater consume too much water, disrupt too
8 many ecosystems, and use too much water --
9 energy to move water and wastewater around.

10 As for the sunk costs of our aging
11 infrastructure, we need to shift our state and
12 national investments towards the future. We
13 do not need to keep old pipes working well
14 enough -- we do need to keep old pipes working
15 well enough at critical points to protect
16 public health, but instead of using federal
17 and state funds to repair and replace these
18 pipes and treatment plants in the old way, it
19 may be wiser to pivot state and federal
20 investments into a new infrastructure
21 paradigm.

22 What would that new paradigm look
23 like? One potential is a hybrid decentralized
24 and centralized infrastructure for the
25 future.

1 If you were a hawk flying up at the
2 20,000 foot level, what would a bird's-eye view
3 of the future infrastructure in cities look
4 like? Think about that for a second. Be the
5 hawk. Get up in the air. Look down.

6 It would be substantially greener.
7 Rain gardens and trees would be used to retain
8 storm water. Streams and habitat would have
9 restored -- would have been restored by
10 reducing the ground water flows into sewers,
11 minimizing stormwater run-off into streams and
12 reducing the overall demand for global water.

13 The actual infrastructure would be a
14 combination of enhanced performance of the
15 aging centralized infrastructure and multiple
16 decentralized installations across the city
17 landscape.

18 Water-efficient appliances might be
19 found in scattered homes or buildings across
20 the city, while integrated water, stormwater,
21 wastewater, reuse systems might be found in
22 urban infill developments designed around the
23 specific challenges and opportunities of the
24 site.

25 Municipality utilities would also

1 decommission large wastewater treatment plants
2 that reach the end of their service life.
3 They would build satellite facilities that
4 treat wastewater for reuse and aquifer
5 recharge and recover energy and nutrients from
6 the sewage no longer thought as wastewater but
7 as potentially wasted water.

8 A trio of decentralized technologies
9 and designs would be used to reduce the flows
10 of water in these aging systems. They would
11 do this by -- by stressing efficiencies and
12 reuse of stormwater and wastewater and to
13 reduce the flows of stormwater and wastewater
14 in the drainage and sewer systems as well.

15 In rural and suburban areas this
16 bird's-eye view would be continued reliance on
17 onsite cluster water systems, stormwater, and
18 wastewater systems. Water-centric subdivision
19 planning, in particular, would push towards
20 off-the-grid efficiencies and a minimal impact
21 on natural water flows and hydrologies in the
22 watershed.

23 Most importantly, both the urban and
24 greenfield infrastructure would be integrated
25 with energy and nutrient recovery from the

1 wastewater.

2 So why is it then that our government
3 perpetuates unsustainable water
4 infrastructure?

5 The federal government, and to some
6 extent its state and municipality partners,
7 have played a significant role in perpetuating
8 the hard-path or centralized approach.

9 Regulatory structures were devised
10 that assumed that modern sanitation and safe
11 drinking water could only be provided in big
12 cities and emerging metropolises through
13 centralized distribution or collection and
14 treatment.

15 Federal and state subsidies to local
16 projects from a host of mostly federal and
17 some state agencies were built around those
18 assumptions as well. We've heard a lot about
19 that today.

20 Progress in small towns was achieved,
21 for example, when public water lines were
22 extended to all homes or when failing private
23 septic systems were replaced by public sewers
24 and point-source treatment plants.

25 Therefore, local water protection

1 advocates typically have to ask their
2 communities to buck federal and state
3 regulators, as well as give up federal
4 subsidies, if they are to advance a
5 sustainable water system or centralized
6 solution.

7 Multiple federal and state agencies
8 have also gotten involved in a piecemeal
9 fashion in one or another aspect of water
10 infrastructure, through water supply or water
11 quality concerns, flood control, housing rural
12 development, et cetera, but rarely is a
13 serious integrated water perspective taken at
14 any level.

15 This siloing of mission and the lack
16 of coordination among agencies have led to
17 federally mandated and federally funded
18 projects, which have collectively overstressed
19 the environment and water resources making
20 them wasted resources.

21 So what are some of the solutions?
22 National, state, and local agencies can
23 promote the development and adoption of
24 sustainable water systems by moving
25 aggressively on several measures.

1 In the short term, the public sector
2 can help promote innovation now through a
3 series of low-cost, short-term measures to
4 facilitate and coordinate better information
5 to assist local decision makers and community
6 stakeholders in the water sector.

7 These include pilot and demonstration
8 projects, guidance materials, evaluation of
9 new products and design, education through
10 conferences, newsletters, websites, and
11 training. Labeling and standard setting
12 initiatives, riparian buffer zones, best
13 stormwater management practices
14 implementation.

15 In the long term we're looking at a
16 research problem. Some states and the federal
17 government are uniquely positioned to take the
18 lead in long-term research in many areas.

19 After the 1972 Clean Water Act was
20 passed, we had inflation adjusted \$300 million
21 a year at the national level for R and D,
22 which left us, when we switched to the state
23 revolving funds, under the assumption that
24 states and the private sector would pick up R
25 and D.

1 This has not happened, except in a
2 few cases like the NYSERDA program in New York
3 or in California.

4 We could pick it up here in
5 Pennsylvania, and in other states and
6 nationally, through collaborative funding of
7 research projects with public agencies,
8 private companies, academic institutions, and
9 key agencies for support of long-term research
10 at the federal level, including NSF, NOAA, and
11 DOD.

12 We could fund the formation of
13 several centers of excellence at universities
14 or research institutes. We could stimulate
15 private and nonprofit foundation investment by
16 signaling long-term commitments to greater
17 efficiencies and the lighter footprint in the
18 infrastructure.

19 Financing incentives. Governments
20 are typically financing long-scale public
21 water supply, drinking water, wastewater,
22 stormwater, and flood control projects without
23 considering decentralized system alternatives
24 or the disruptive externalities of these
25 siloed systems.

1 Financial reform might include:

2 Requirements for all sustainable water system
3 management planning and evaluation for all
4 direct and indirect costs and benefits.

5 Subsidies and tax incentives for
6 water capture, conservation, treatment and
7 reuse, which are usually on private property.

8 Installation of efficient closed-loop
9 water systems at all government facilities.

10 Financial incentives for utilities to
11 adopt sustainable water system approaches with
12 subsidies from EPA's two SRF accounts, the
13 USDA's rural utility service, HUD, commerce
14 and other federal and state grant and loan
15 programs.

16 Regulatory reform.

17 Historically, regulations and
18 ordinances have been written to require and
19 set standards for large centralized systems in
20 separate parts of the water cycle.

21 Regulation should be reformed to
22 include:

23 Permits to utilities for oversight of
24 privately-owned, decentralized systems that --
25 to meet statutory requirements.

1 Integrated standards for utilities to
2 meet water supply, water quality public health
3 and ecosystems needs.

4 And models for state and local design
5 codes that think more holistically about
6 integrated and decentralized -- integrated,
7 decentralized and centralized approaches, as
8 well as for oversight of pricing and service
9 by new design-build-operate companies so that
10 expanding private markets are equitable and
11 consistent with water resource planning.

12 And last, long-term sustainability.

13 As externalities of existing
14 settlements on the state and nation have
15 become more important and the benefits of a
16 lighter footprint decentralization and
17 integration emerge as reasonable alternatives,
18 potentially minimum standards for long-term
19 sustainability of public infrastructure should
20 be required by federal and conforming state
21 legislation.

22 In the short-term, projects on
23 federal and state property that are using
24 federal and state funds, such as
25 federal-state-local government supported

1 housing projects should be energy efficient,
2 required to implement sustainable
3 infrastructure plans, including such things as
4 rain or roof gardens, water-efficient fixtures
5 and reuse, and use renewable energy sources.

6 I brought along with me, in addition
7 to my testimony, a charter passed at the end
8 of a WERF, National Onsite Wastewater
9 Recycling Association, and the International
10 Water Association international conference in
11 Baltimore of 2007.

12 It's a three-quarter of a page
13 declaration or charter bracketed by some
14 information on sustainability and sustainable
15 water systems and how they work from an energy
16 water nexus, et cetera.

17 And I wanted to read one quote --
18 just because I'm out of the environmental
19 community and sometimes we're not the best
20 messengers for -- for this message -- from
21 Glen Daigger, who is the senior vice president
22 and chief technology officer for the Civil
23 Infrastructure Client Group for CH2M HILL, in
24 testimony to the House Committee on Science
25 and Technology this past summer in 2007.

1 They're doing a follow-up hearing
2 next Thursday in the Science Committee which I
3 suggest people tune in on. It would be
4 excellent testimony.

5 Quote, fundamental research is needed
6 to allow advances in basic nano- and
7 bio-technology to be adapted and integrated
8 into the technologies which are enabling the
9 evolving breakthrough -- breakthrough water
10 management paradigm. Individual elements of
11 this developing paradigm consisting of
12 aggressive conservation -- leave sirens --
13 no -- distributed stormwater management and
14 rainwater harvesting and decentralized water
15 reuse have been demonstrated, but these
16 components are synergistic and the full
17 benefit can be observed only when they are
18 integrated and complete systems.

19 So thank you for your attention, and
20 I hope I've provoked at least a different -- a
21 look at a different pathway that we may be
22 able to walk down.

23 SECRETARY MCGINTY: Well, thank you
24 very, very much and thank you for coming to us
25 from Washington.

1 And, Steve, you're such a nice guy.
2 Look what we've done to you. Put you at the
3 end of line, but we're eager to hear what you
4 have to say.

5 Steve Moyer from Trout Limited.

6 MR. MOYER: Thank you. I notice some
7 people were headed for the food already, but
8 maybe they're coming back.

9 I'm really glad to be here. On
10 behalf of Trout Unlimited I want to thank you
11 and members of the task force for having Trout
12 Unlimited talk to you today.

13 TU is a national nonprofit
14 conservation organization. We have about
15 150,000 members around the country and perhaps
16 surprising to some, most -- we have more
17 members in Pennsylvania than any other state,
18 which is not surprising to me since I'm a
19 native, not a resident, a native of
20 Pennsylvania, and I think from my love of its
21 waterways is really what propelled me to be in
22 my career and I know that we have many other
23 people that are just exactly like that in
24 Trout Unlimited.

25 One other thing, as an intro, is

1 Trout Unlimited volunteers around the country,
2 gives and invests thousands of hours of their
3 own volunteer time to restore streams. And I
4 think that's one of the best things about
5 Trout Unlimited, and trying to harness that
6 volunteer energy is one thing that I think you
7 should keep in mind as you go forward with
8 your deliberations.

9 And, lastly, Amy Wolf is really the
10 chief of our acid mine drainage work, and
11 that's mostly what I'm going to talk about
12 here today. And I really commend her work to
13 you and ask you to keep her involved in your
14 deliberations as you move forward.

15 So I'm here today to really talk
16 about TU's -- some of TU's most prominent work
17 in the state, and that's abandoned mine
18 drainage restoration, or acid mine drainage
19 restoration, AMD, and how it relates to clean
20 water and certainly specifically drinking
21 water.

22 In 1998 we embarked on the challenge
23 of abandoned mine drainage remediation as it
24 pollutes more than 5,400 miles of Pennsylvania
25 streams and it's one of the largest sources of

1 pollution to the Commonwealth's waterways, as
2 you all know very well I'm sure.

3 We began our abandoned mine drainage
4 work in Kettle Creek in Northcentral
5 Pennsylvania and launched -- helped to launch
6 the regional AMD clean-up in the entire West
7 Branch Susquehanna River basin in 2004.

8 Secretary, you were very helpful with
9 that. Always appreciated that.

10 So there are two areas of focus that
11 I'd like to discuss this afternoon. First,
12 AMD's effects on ecofunctions in streams, such
13 as nutrient retention and nitrogen and
14 phosphorus; and, two, AMD's impact upon public
15 water supplies, which I think should be,
16 hopefully, very relevant to your
17 deliberations.

18 So beginning with the first topic of
19 AMD's effect upon ecofunctions in streams. I
20 want to start with the understanding that
21 healthy streams will have a good diversity of
22 fish and other aquatic life. Thus, healthy
23 streams have the capacity to produce, as well
24 as process, organic nutrients.

25 In turn, healthy streams also have

1 the ability to utilize and retain organic
2 nutrients such as nitrogen and phosphorus.

3 But when you add AMD pollution to the
4 stream, that means higher acidity and toxic
5 metals such as iron and aluminum, a stream can
6 no longer support diverse, or unfortunately in
7 many cases, any fish or aquatic life.

8 Without aquatic life, there are no
9 organisms to produce or process organic
10 nutrients. So take, for instance, an inflow
11 of nitrogen and phosphorus from anthropogenic
12 sources, and now you have a stream whose
13 capacity to utilize and retain these organic
14 nutrients is being significantly reduced.

15 Excess nitrogen and phosphorus are
16 key ingredients that are degrading the
17 Chesapeake Bay, of course, as you all well
18 know. As such, municipal wastewater treatment
19 facilities in particular are being targeted
20 throughout the Bay watershed to undergo
21 expensive upgrades in order to reduce their
22 nitrogen and phosphorus outputs, and
23 rightfully so.

24 But while that is certainly an
25 important measure in restoring the health of

1 the Bay, there are likely other factors that
2 also play into reduction of nitrogen and
3 phosphorus, such as remediation of AMD
4 pollution.

5 So as you consider how to deal with
6 nitrogen and phosphorus, do not discount the
7 role that AMD-impaired streams in the
8 headwater regions of the Bay with respect to
9 the health of the Bay and its watershed.

10 So moving on to my second topic of
11 AMD's impact upon public water supplies. Home
12 to 1,205 miles of AMD-polluted streams and
13 more than 36,000 acres of abandoned mine
14 lands, the list is long for remediation
15 projects that are necessary to restore this
16 beautiful region and the price tag is quite
17 high.

18 Never -- nevertheless the benefits
19 that will result from restoring streams and
20 lands impacted by abandoned mines are
21 countless and enduring, ranging from an
22 improved quality of life for residents and
23 increased outdoor recreation and related
24 business opportunities.

25 However, one benefit that people

1 don't often consider is that in certain
2 circumstances AMD remediation may lead to
3 providing cleaner drinking water.

4 As part of an economic analysis for
5 AMD remediation of the West Branch basin that
6 TU commissioned, our consultants conducted
7 interviews with nine municipal water
8 authorities located in that most heavily
9 AMD-affected areas of the West Branch. Of the
10 56 water withdrawal sources, including surface
11 and ground water, 21 water withdrawal sources
12 are on or near AMD-impacted streams.

13 Furthermore, several water
14 authorities are being forced to look at
15 additional water withdrawal sources which
16 include those polluted by AMD due to drought
17 conditions and population expansion.

18 In a specific situation where drought
19 conditions are causing a municipal water
20 authority to locate other sources of water,
21 the cost is simply too high to treat the
22 AMD-polluted water even if that water
23 withdrawal source is nearby and plentiful.

24 At this time I don't have specific
25 dollar figures to quote the additional costs

1 incurred by municipal water authorities to
2 bring AMD-polluted water up to drinking water
3 standards because our consultants aren't yet
4 done finishing that work, but as soon as it's
5 done, we'll get that to you.

6 Our consultants have -- are also
7 investigating the economic impacts of AMD upon
8 private drinking water systems. And as of May
9 2007 more than \$11 million has been spent by
10 DEP and through bond forfeiture funds on
11 waterline extensions to bring clean water to
12 606 residences and five businesses within the
13 West Branch watershed.

14 So the question is, are there other
15 cost-effective options for providing clean
16 drinking water instead of expensive
17 waterlines, chemical treatment at the
18 municipal water facility, or replacement of
19 private wells?

20 So we at TU believe that there are
21 alternatives that will not only lead to
22 providing clean drinking water but will also
23 restore healthy ecosystem functions to
24 streams.

25 Remediation of mine drainage

1 pollution should begin as close to the source
2 as possible. Reclamation and remining are
3 excellent remediation methods that yield
4 permanent water quality benefits and would be
5 particularly important to improving water
6 quality of ground water sources of drinking
7 water. But these are not always feasible
8 options.

9 Passive treatment technology for AMD
10 has proven to be a cost-effective and reliable
11 method of successfully improving water
12 quality.

13 So when properly designed and
14 constructed, passive treatment systems can
15 remediate a wide range of AMD pollution,
16 improve water quality, and restore streams to
17 where they can harbor healthy fish populations
18 and provide important ecosystem functions such
19 as processing organic nutrients.

20 And, ultimately, passive treatment
21 systems may help to open up new sources of
22 surface water for public water supplies.
23 Active treatment systems may also provide a
24 reliable source of treatment for AMD, but the
25 long-term operation and maintenance costs are

1 higher than those for passive treatment and
2 are often more difficult to secure.

3 Each AMD site is unique and both
4 passive and active treatment systems must be
5 considered.

6 So just to summarize, remediation of
7 AMD as close as possible to the source,
8 whether through reclamation and remining,
9 passive treatment or active treatment, or a
10 combination of these, is going to provide the
11 greatest suite of benefits and results in the
12 most cost-effective approach to solving
13 Pennsylvania -- one of Pennsylvania's biggest
14 water quality problems.

15 So thank you again for having TU, and
16 we'd be happy to answer any questions that you
17 might have.

18 SECRETARY MCGINTY: Terrific. Very
19 much appreciated.

20 So back to the game plan, why don't
21 we grab something to eat and if we could sit
22 right back down. Up at the top if there's a
23 way to have five seats for our five panelists
24 on this subject, I'd appreciate that as we --
25 as we reconvene. So let's trying to eat it

1 quickly.

2 (A luncheon recess was taken.)

3 SECRETARY MCGINTY: Okay. Well, I'm
4 sure there are many questions that have
5 cropped up during those five wonderful
6 presentations as well, and like the last time,
7 since I got the mike here, I'm going to kick
8 off with at least one.

9 And, Mr. Wunz, I'm just curious in
10 terms of, I'm assuming for a second here that
11 all of the innovative measures that we talked
12 about, Bern Sweeney, you know, thinking about
13 trees as infrastructure, and maybe the John
14 Schombert's innovations in governance as
15 infrastructure, but all of that, if we can
16 save money and have a better approach through
17 those types of innovations, we're all for it.

18 But as an engineer, how does it
19 strike you? How can we operationalize the
20 inclusion of Bern Sweeney's trees into getting
21 done in a municipal water-related
22 infrastructure?

23 MR. WUNZ: Well, one thing we could
24 do would be to suggest that the department
25 expand its look at credit trading, and there

1 have to be other areas of the state besides
2 just the Chesapeake Bay where the water
3 quality standards would qualify for or allow
4 trading.

5 And for those of you who are not from
6 the Chesapeake Bay area, the idea is that it
7 might be cheaper for me to treat my nitrogen
8 than the treatment plant next to me. So I'll
9 treat nitrogen, but I'll actually overtreat
10 it, below my standard, and then he can buy the
11 amount that I'm under from me.

12 Now, the importance of this is that
13 it's not only treatment plants, it's riparian
14 buffers, it's forested strips, and -- and it's
15 nonpoint source kind of activities that can be
16 undertaken to improve water quality.

17 And that was pointed out by a number
18 of the speakers.

19 The other issue that -- that is
20 important here is that there is a pretty
21 serious disconnect between stormwater and
22 water and wastewater authorities.

23 I can't think of a stormwater
24 authority in Pennsylvania, and I -- and I
25 think that we -- is there one?

1 MR. SCHOMBERT: I'm chair of the
2 water and sewer authority, and it's
3 stormwater.

4 MR. WUNZ: Excellent. Excellent. He
5 then may end up being a leader in bringing all
6 the aspects together. Because clearly there's
7 a relationship between the stormwater
8 management and the water that you drink and
9 the water that you -- that you discharge.

10 And, you know, Cory Miller was in the
11 room earlier and, you know, Cory and his UAJ
12 Authority bring a lot of those concepts to
13 base.

14 So that's definitely innovative.
15 It's -- it's right on the edge, and it's
16 things that we need to be looking at.

17 SECRETARY MCGINTY: Well, thank you.
18 Let me open it up. Others, questions or
19 comments?

20 You know me. I have another one.
21 Okay.

22 MR. KAUFFMAN: Terry Kauffman. This
23 is for Charles also.

24 One of the things you made note of
25 was you've already cast your net -- hopefully

1 want to cast your net -- one of the things is
2 you want to cast your net for the innovative
3 technology items.

4 You also said in your testimony that
5 we are part of the problem in that we haven't
6 changed. How wide do you view casting your
7 net for innovative measures, i.e., the
8 neighboring states, United States, some of the
9 other remarks we saw prepared feel like some
10 of the European countries may have better
11 technology in addition to some of the
12 environmental updates?

13 MR. WUNZ: Well, I think I would
14 intend to cast the net as wide as I can
15 subject to not violating state or federal
16 water quality standards or state and federal
17 laws.

18 So, now, when you talk about the
19 Europeans and their widespread use of
20 anaerobic technologies to generate biogas and
21 then they're using the biogas in burners to
22 generate electricity or steam, yeah, very
23 definitely, we need to see more of this in the
24 United States, just as an example. In other
25 states, several, certainly as well. The

1 southeast, Florida, Washington, Oregon have
2 been leaders in water reuse. Southwest
3 rather.

4 You know, we need to look at -- at --
5 somebody said earlier it's not a wastewater.
6 It's the what's used water. And I think that
7 that's -- that's certainly true.

8 So as wide as possible because
9 there's no harm in this. You know, there's no
10 harm in considering things that we end up
11 rejecting.

12 SECRETARY MCGINTY: Well, I don't see
13 another question, so I'll toss out another
14 one, which is I heard a little bit of a
15 tension and strain in some of the
16 presentations, on the one hand, as a
17 costs-saving measure. As a measure of
18 government innovation, we were talking about
19 regionalization and, Paul, I heard you to say
20 the days of centralized approach, you know,
21 are over and we ought to look at
22 decentralization.

23 So I'm just wondering if we could
24 hear some exchange on those two different
25 points of view and maybe they're not as

1 divergent as the labels would suggest.

2 MR. SCHWARTZ: I don't think they are
3 as divergent as the labels would suggest and I
4 would make a fundamental distinction between
5 drinking and wastewater in this case as -- and
6 also make a distinction between where
7 solutions are in place at what scale, site
8 level, neighborhood watershed, and -- and
9 where management takes place.

10 And certainly you could have
11 management over a broad geography or -- or
12 planning or thoughtfulness about how systems
13 integrate or disintegrate in relation to the
14 water cycle and the DOP environment while
15 having a suite using the best centralized
16 approaches we have and where there are new
17 opportunities through greenfield development,
18 working from the site level up with
19 predevelopment, LID, with incorporating
20 cluster systems or -- or -- and wastewater
21 reuse.

22 One of the things that is really
23 clear is that if you want to do reuse and just
24 look at stormwater, you have surges and you
25 actually need the wastewater and could store

1 it in septic systems as storage capacity to
2 create the type of water flows for reuse that
3 you would need.

4 And so I think we just need to look
5 at a suite of options and -- and -- and be
6 really open to how it is they could work.

7 Clearly in -- in other places around
8 the globe, in Europe and -- and in Asia, in
9 Brazil and other places are just leapfrogging
10 ahead of us. We used to be at the forefront
11 of thinking about this stuff.

12 And now MIT's second campus, anybody
13 know where it's going to be? Singapore. \$400
14 million to them for -- and something like 20
15 percent of all the Nobel laureates in the
16 United States working on water, putting in a
17 huge percentage of their time over in
18 Singapore.

19 It's an export market that we're
20 missing. We're clearly missing out and I
21 don't see a tension between the centralized
22 and decentralized except to the extent that we
23 just look at the old paradigm as the only way
24 to sink money.

25 MR. SCHOMBERT: And I have to agree.

1 The consolidation that we're talking about is
2 really management of consolidation, financing
3 in particular. There's a lot of economies of
4 scale, like the mapping, you know, doing
5 things like that regionally.

6 The big projects, the effort, the
7 long-term control planning effort in Allegheny
8 County we'll take is a regional effort. It
9 may actually result in -- in -- there's been
10 some very active discussion -- in some
11 decentralized facilities where you pull in
12 flow out of an overloaded central facility and
13 treat it in an -- in a area and then -- as
14 well as the development of wet weather
15 facilities that will operate only during
16 rainfall or snow-melt events, that there may
17 be 20 of those around the region that
18 supplement the solution.

19 So, yeah, we're talking about --
20 DEPUTY SECRETARY MYERS: Yeah. I'm
21 going to be taking over as Kate's alternate
22 because she had a one o'clock that's going on
23 without her and probably shouldn't continue
24 that way.

25 Yes, Donna.

1 MS. COOPER: The first innovation you
2 put on the table was about the cost, and I
3 just wondered if you could share -- we talked
4 about it in the first session as well, and
5 then you said the problem is us and one of the
6 issues is the cost and how we take charge.

7 So given that the federal legislation
8 had an aspirational goal and PENNVEST
9 evaluates municipal application of twice that,
10 I mean do you have a thought about where you
11 think we should -- how we should be thinking
12 about the cost of service?

13 MR. WUNZ: Well, I think probably the
14 biggest point that I tried to make was there
15 needs to be some reflection of the -- of the
16 aging of infrastructure in the -- in the rate
17 structure.

18 It certainly is allowed under PUC
19 rules. Of course, municipalities, municipal
20 authorities are largely not regulated by PUC.
21 So they're allowed to do -- to do cash flow
22 budgeting which -- which would not typically
23 consider the cost of the aging
24 infrastructure.

25 One way that historically that was

1 addressed was through the requirements for
2 reserve funds or bond redemption and
3 improvement funds in municipal bond issues.

4 Interestingly enough in -- in
5 situations that are financed by PENNVEST,
6 there's no such requirement that PENNVEST has
7 for establishing such a set-aside or such a
8 fund.

9 So -- so I think probably that's --
10 that's the largest area that needs to be --
11 needs to be recognized and -- and it goes
12 hand-in-hand with the idea that there be
13 capital programs so that you're not
14 necessarily a--have board members surprised by
15 a project.

16 But I mean the comparison was made to
17 the 10-year-old car. I mean the treatment
18 plant thing is really the same thing. If it
19 was, you know, it was -- we have so many
20 treatment plants with 1960's technology built
21 in 1975 and people thinking we're never going
22 to have to replace them. It's -- it's
23 amazing.

24 MS. COOPER: But maybe what I'm
25 asking is from too far away, because I don't

1 work in water. But is the -- does the notion
2 that the rate base should be paying at one
3 percent or two percent on either side of the
4 house, wastewater and sewage -- I mean
5 drinking water, is that a controlling paradigm
6 that needs to change in terms of how we think
7 about municipal water systems and their
8 rate -- their rates that they're charging or
9 is it, as you point out, that we need to be
10 clearer about what needs to be included in
11 that or is that percentage threshold something
12 that is sort of at the back of everybody's
13 mind when they're costing out projects and
14 when they're thinking about things and as long
15 as we're in that framework we're not going to
16 actually get to where you're suggesting that
17 the full cost be understood?

18 MR. WUNZ: There are two issues
19 really. One is -- one is establishing what
20 that number should be, and I think that maybe
21 goes to -- to economics experts and maybe not
22 to the engineers.

23 But then the issue is selling that
24 point to the -- to the public. I mean we --
25 we live in a flush-and-forget society and, you

1 know, as long as the water is -- is coming out
2 of the tap and we can flush the toilets we're
3 happy and heaven forbid we have to pay a bill
4 for either of those services.

5 I mean, you know, I'm always struck
6 by the fact that -- that the one fatality
7 that's not talked about in the Civil War is
8 the death of President Lincoln's son who drank
9 contaminated water.

10 I mean we're all victims of our
11 success. Because we don't get sick, you know,
12 we don't care. It's not important to us, and
13 we need to change that dynamic.

14 DEPUTY SECRETARY MYERS: Okay. Thank
15 you.

16 Any other questions for the
17 innovative measures panel? Then I think we'll
18 move on to the needs panel.

19 Dennis Beck from the Portage
20 Municipal Water Authority. He's going to be
21 the segue into this topic.

22 So Denny. And while we're moving
23 around, if we could get our other panel
24 members up there, so we just have maximum time
25 for the discussion.

1 MR. DENNIS BECK: I was just called a
2 definite sweetie over here. So I gave her a
3 copy of what I'm going to say. So I got
4 points this afternoon.

5 Actually I'm going to talk about
6 reality. I'm from a small water system, about
7 2,500 customers in Portage, Pennsylvania and I
8 wanted to talk about the reality and
9 innovations.

10 The first reality I want to talk
11 about is, since we started this meeting at
12 eleven o'clock, I estimated eleven o'clock,
13 the federal government has spent \$51.2 million
14 on the war in Iraq. 51.2 million. \$5,000 a
15 second.

16 If -- if we think that the federal
17 government has money to spend and to give us
18 for infrastructures, we're all wrong, because
19 there's no money in Washington until we get
20 rid of this war.

21 Really. That was my first one.

22 There's two wars going on here.
23 There's the war in Iraq, and what I have here
24 is the war in Iraq has put this nation in deep
25 debt and has decreased the ability of the

1 federal government to maintain funding for any
2 infrastructure projects, unless we can show
3 that the infrastructure project will stop --
4 will solve the war in Iraq. And that's the
5 only way we're going to get any money for it.

6 The second war I want to talk about
7 is water wars, and I want to make sure that
8 the panel and the task force realizes the
9 importance of water, is one of my -- my
10 points.

11 The second war, we have water wars in
12 this country. We've got Wyoming suing Montana
13 for water. We've got Las Vegas suing the
14 farmers for water. They call that the craps
15 for crops lawsuit out there. We've got
16 Georgia suing North Carolina for water. We've
17 got the Midwest attempting to go drain Lake
18 Erie for water for irrigation. We've got the
19 United States government suing Nevada on water
20 rights. We've got California suing Nevada,
21 and we've got Arizona suing Colorado.

22 So some people are realizing the
23 importance of a good water supply or any water
24 supply, whether it's crops or whether it's for
25 expansion of Las Vegas. You know, the city is

1 growing, they need more water, and they feel
2 they're entitled to it more than the farmers
3 are entitled to it.

4 My next point is I think that the
5 task force should keep in mind that we all
6 need to show everyone, politicians and the
7 public, the importance of a good, safe,
8 sustainable water supply.

9 That's got to be one of our -- one of
10 our tasks and one of our main points.

11 Our economic development anywhere is
12 dependent on an adequate supply for the
13 industry or factory. If there's no water,
14 there will be no industry or factory or
15 growth.

16 I did a presentation a couple years
17 ago where I showed an economic growth
18 triangle, which was an inverted triangle, and
19 at the point at the bottom supporting the
20 whole structure was the water supply. So
21 think about that.

22 Let me talk about the Portage
23 municipal water supply. I think we're an
24 oddball. We're just -- we're just -- we're a
25 little different. We've done some innovation

1 stuff, and I don't think we're -- we're in the
2 same group as most of the water suppliers
3 across the state of Pennsylvania.

4 We've taken several steps to move
5 towards a sustainable water supply. We are
6 blessed -- and I think we're blessed -- to
7 have two water supplies. In 1989 DEP came in
8 and found Giardia in both water supplies. We
9 had to issue a boiled water supply for
10 everyone in both water supply areas and we had
11 to build two water treatment plants for our
12 system.

13 So sometimes it's a blessing and
14 sometimes it's not.

15 We also have back-up wells at each
16 system to back up that water system and the
17 wells are fed through the water plant through
18 the filtration system, which was one of my
19 main points on -- on putting the wells in.

20 In 2001 -- 2001, in January of 2001
21 we established a long-range plan for the water
22 authority. In March of 2001 the Corps of
23 Engineers came in and said we -- we got orders
24 from Representative Murtha to rebuild the
25 water supply in this small town of Cassandra.

1 What do you know about it?

2 We said, sit there. Here's the
3 long-range plan. Here's the amount of pipe we
4 need, the amount of hydrants, the amount of
5 valves. They said, how old is this data? We
6 said, two months.

7 They gave us a half million dollar
8 grant to help do that project.

9 We also borrowed another 1.5 million
10 to rebuild the entire infrastructure from the
11 treatment -- from the reservoir to the
12 treatment plant to town, from that section of
13 the water system, and the water pressure t --
14 where it comes into town to meet the old
15 system went from 140 psi to 225 pound -- psi
16 just taking the old pipes out.

17 So we increased pressure and supply
18 on that end of town.

19 In 2005, we entered into an agreement
20 with Gamesa, the windmill people. They came
21 in in 2005 and said, we did a year's study.
22 There's enough wind on the top of the
23 mountain.

24 We're on the Eastern Continental
25 Divide and our watershed borders that Eastern

1 Continental Divide.

2 They came in and they said, there's
3 enough wind there. Are you interested in
4 having us put windmills on your property or on
5 your watershed? Our board response was, what
6 took you so long? It's free. It's clean.
7 It's renewable. Yes.

8 So we have the -- it's the Allegheny
9 Ridge Windmill Farm. There's 40 windmills up
10 at this time in phase one. They're just
11 starting phase two. They're going to put
12 another 35 windmills across the ridge.
13 They're two megawatts windmills and each one,
14 when it's running, will power 500 to 600
15 homes.

16 For the eight that we have on our
17 property, there's 29 on the watershed. We
18 don't own all the watershed. But for the
19 eight windmills we have on our property, we're
20 getting \$6,000 apiece per year for those. So
21 we're getting \$48,000 a year for the next 25
22 years. About a million four for those -- for
23 having those windmills on our watershed, which
24 is helping us to be sustainable.

25 The wastewater system in Portage is

1 in the middle of a -- I think about a \$8
2 million expansion project to double the size
3 of the wastewater treatment system. So
4 they'll be up to size within the next year.

5 We realize, and we hope, that someone
6 from somewhere will eventually see the
7 potential of our area with our great water
8 supply and land to develop and local rail
9 lines and local people to work to bring some
10 kind of industry in for us.

11 We're pushing our sustainability to
12 try to bring industry in for our community.

13 Two comments to close. I'm going to
14 be really short today. I don't want to forget
15 about this. I am glad there is not Evian. Do
16 you know what Evian spelled backwards is?
17 Naive.

18 I don't know if there's a message
19 there or not, but there may be on bottled
20 water.

21 Anyway, my two comments to close are
22 this. There's approximately 2,500 water
23 systems in Pennsylvania. At least 2,200 of
24 them are classified as small systems serving
25 less than 3,300 customers.

1 We're at about 23, 2400 customers.
2 Okay? About 7,000 people. 22 out of 2,500
3 systems are serving less than 3,300 -- less
4 than 7,000 people in the state of
5 Pennsylvania. Okay?

6 These people, most of them -- and
7 I've done -- I've done corrosion control
8 studies with numerous of them in central
9 Pennsylvania. Most of those 2,200 are worried
10 about survival and not sustainability.
11 They're worried about paying their bills month
12 to month and they're not worried about
13 infrastructure.

14 They're worried about it, but they
15 can't do anything about it because they've got
16 no money left over. They're running on
17 shoestrings. Okay? So keep that in mind.

18 In the big picture of talking about
19 improving infrastructure in the whole state of
20 Pennsylvania, most of that is going to be
21 involving small water systems and small
22 wastewater systems. So keep that in mind.

23 Another point I'd like to make, the
24 PENNVEST application, the procedures need to
25 be streamlined. We pay so much on engineering

1 costs to fill out the application and then
2 refile the application because something --
3 they want some extra permits put in there, and
4 refiling because they want something else.

5 So it's additional cost to us. The
6 PENNVEST application procedure is just
7 onerous. Onerous. We need to do something
8 to -- to streamline that.

9 George Crum, sitting on your task
10 force, he and I last -- at the end of March
11 did a presentation at the Pennsylvania Rural
12 Water Association's annual conference entitled
13 Alternatively -- Alternative Energy Sources
14 for Small Water and Wastewater Systems in
15 which we talked about putting in small
16 windmill systems, because most of the small
17 systems are way out in the country, mostly up
18 on the hill, because that's where the water
19 supplies are.

20 Putting small windmill systems in.
21 Putting Micro Hydros in, microturbines in,
22 which work on gravity systems. And also
23 biogas. We talked about those possibilities.
24 We had a great interaction with -- with the
25 people who attended that conference.

1 We're also scheduled to do a
2 presentation at the AWWA conference at Valley
3 Forge next week. I have the last -- the last
4 presentation on the last day. So we will see
5 how many people are still awake.

6 And also at the PMAA conference in
7 Hershey. We're going to do that presentation
8 again up there, to get to all the water
9 systems and tell them what's out there.

10 George -- or Charles Wunz talked
11 about serving the environment, and I just want
12 to pitch -- pitch the environment, because I'm
13 a real environmentalist. Conservation is
14 number one. Conservation on water,
15 infrastructure, everything. Conservation is
16 the number one solution to waste, to
17 preserving our environment, to controlling
18 climate control -- climate change, is
19 conservation of natural resources. Cut down
20 on your driving. Cut down water use. Reuse,
21 recycle, reduce, keep that all in mind.
22 They're all our responsibility.

23 I talked -- I looked -- I looked at
24 my carbon footprint this morning. Okay. I
25 had to drive a 140 miles to get here, and I

1 drove 130 to PMAA headquarters over there and
2 the three of us drove over.

3 Doug and Jennifer and I came over in
4 a van, so I reduced my carbon footprint a
5 little bit coming over here. But it's
6 something that I keep in mind all the time.

7 And also on Earth Day I had 300
8 students from the Portage High School out to
9 clean eight miles of road and two miles of
10 stream, which I do every year. So I'm -- I'm
11 taking that as a credit for my carbon
12 footprint this year.

13 So, anyhow, that's my pitch. Just
14 some things I wanted to bring up for your
15 consideration and to keep in mind on your --
16 on your task on the infrastructure.

17 DEPUTY SECRETARY MYERS: Well, thank
18 you very much. We appreciate it.

19 MR. BECK: Okay.

20 DEPUTY SECRETARY MYERS: If you could
21 just stay up there --

22 MR. BECK: Yep.

23 DEPUTY SECRETARY MYERS: -- we'll
24 have questions at the end.

25 Okay. I'll go back to the top of the

1 list and let someone else speak to it.

2 Bernard Biga from the Wyoming Valley Sanitary
3 Authority.

4 MR. BIGA: Thank you, Deputy
5 Secretary Myers. I like to -- oh, sorry. I
6 meant to say may I share your mike before I
7 start so I wouldn't get scolded. But I
8 already did, so I apologize.

9 Again, I'd like to thank the task
10 force for allowing -- for inviting me to speak
11 about the problems facing us and, therefore,
12 the needs of one specific wastewater
13 facility.

14 I'm Bernie Biga, the director of
15 operations for the Wyoming Valley Sanitary
16 Authority, and, as such, I'm responsible for
17 the day-to-day operations. My presentation
18 will be from that perspective.

19 We are located in the northeast
20 region of the state on the banks of the
21 Susquehanna River in Wilkes-Barre,
22 Pennsylvania. The Susquehanna River is our
23 receiving stream.

24 I will give you a little background
25 because I think you need to know who and what

1 we are and the size of our operation.

2 We were formed in -- in 1962 but did
3 not go online until our primary treatment
4 facility in 1969. At least 20 -- almost 20
5 years later, in 1987 where we were upgraded to
6 a secondary treatment plant.

7 There are 14 original members of our
8 authority, and we provide service to an
9 additional 22, for a total of 36.

10 There are 94,000 EDUs of dwelling
11 units in our service area, and we have -- we
12 have a population of about a quarter of a
13 million people.

14 For this year, 2008, our operating
15 budget is \$17.8 million and of that 10.2 goes
16 directly to the operation and maintenance of
17 the plant and our pumping station.

18 We also have a \$2.75 million capital
19 budget, which we fund ourself, and each year
20 we try to do some projects to keep the plant
21 in what we consider the best operating
22 condition.

23 In preparation for nutrient removal,
24 four years ago we began changing the air lives
25 to our four treatment trains, which were

1 leaking, and we needed the DO, nitrification.
2 We -- we undertook those projects ourselves,
3 and we do a number to the tune of 2.75.

4 We also carry spare parts inventory
5 of about two-and-a-half million dollars.
6 Again, that's funded through our operating
7 budget. We are permitted for 50 million
8 gallons a day. Although there's a clause in
9 there that if we exceed 32 million gallons for
10 three consecutive dry weather months we are
11 hydraulically overloaded.

12 Unfortunately, that 32, the lower
13 number, was used for calculating our loads for
14 the Chesapeake Bay strategy. Our organic
15 loading is about 40,000 pounds a day.

16 Every picture tells a story. I think
17 Rod Stewart said that or someone. This tells
18 two very interesting stories.

19 The flow at 4:00 a.m. and after
20 6:30 a.m. on that chart -- that's from April
21 12th of this year -- was about 30 MGDs.
22 That's our low flow for the day. Typically
23 in -- in the July and August months, it's
24 about 10 to 12. So we have a lot of
25 infiltration getting into the system.

1 A thunderstorm moved through the area
2 and that flow jumped from that 30 million to
3 80 million. Again, as we all know that are on
4 the wastewater side, that's a problem. I'll
5 talk a little bit about that later.

6 We are a treatment facility. We have
7 four independent treatment plants at our
8 facility. So each one is rated 12.5 million
9 gallons a day. In the mid right-hand picture,
10 you'll see there's a -- our train three is out
11 of service for some repair work.

12 The -- the major plant components,
13 and the panel will be getting a more detailed,
14 hard copy of my presentation, which breaks
15 down the equipment, but I didn't want to waste
16 everyone's time now.

17 We have a main pump house that goes
18 to our headworks. We have the four
19 independent secondary activated treatment
20 trains, and we have a solids handling system.

21 Out-plant components, we have 56
22 pumping stations. And also we have 56
23 diversion chambers. Probably the biggest
24 problem that we face.

25 We also have 35 miles of pipe, and 20

1 of it is gravity and 15 miles is force main.
2 The reason I chuckled is the force main. The
3 reason I chuckled is because we would like to
4 see there's a lot more involved in the
5 collection systems.

6 What does it mean? It means that the
7 cost to the Wyoming Valley Sanitary Authority
8 ratepayers is going to increase significantly
9 over the next several years.

10 And why? Well, it's because of what
11 we have to do. We have to meet Chesapeake Bay
12 strategy for nutrient limits. There are CSO
13 requirements that are going to have to be met,
14 and, you know, what we're talking about today,
15 the infrastructure upgrades.

16 The Chesapeake Bay strategy -- and
17 I'm going to be embarrassed in about 30
18 seconds and -- and -- and the next board
19 meeting I attend, we must meet the mandated
20 cap loads for nitrogen and phosphorus.

21 The reason I'm going to be
22 embarrassed is because of that \$6.2 million
23 number up there. I was very proud of that.

24 Being a plant of our size, we were
25 going to do it for basically a reasonable, a

1 very reasonable amount of money. Right now,
2 and over the previous 20 years, we have been
3 removing about 70 -- 70 percent of the
4 nitrogen entering our facility.

5 It is just inherent in the design,
6 and it was the -- the former board members and
7 design engineer who saw this coming down the
8 road, and we appreciate that.

9 Unfortunately, after meeting with our
10 design engineer yesterday, I came back to the
11 office with a \$14.8 million number. So that
12 has changed. If we have to -- we all know in
13 the Chesapeake Bay Basin that has to be met by
14 the year end of 30 September, 2011.

15 Back to the infamous combined sewer
16 overflows. That's the point for those who
17 don't know -- and I'm sure many of you do --
18 where the combined sanitary and storm flows
19 that exceed the hydraulic capacity of the
20 system are diverted.

21 Here's a -- quick two schematics.
22 There were 55 existing combined sewers in
23 those 14 member towns. And from the top of
24 the slide down, that was an existing pipe. We
25 built the diversion chamber over it and we

1 take flow out of the pipe to the top of the
2 weir you see in the -- in the center of the
3 chamber. All flows that exceed that go over
4 and go directly into the receiving stream,
5 unfortunately, in most cases, the Susquehanna
6 River, and it is untreated.

7 What are we going to do? Well, it's
8 going to have to be fixed sometime.

9 The cost to eliminate from the
10 system, we had an engineering study done in
11 2002 and that was about \$90,000. Of course,
12 it was on that year's regulations. That
13 number has increases about 114 million.

14 However, as I said, at that time they
15 were looking at site treatment, where we would
16 somehow with screening with squirrel
17 concentrators or some other method remove the
18 sedibles and -- and floatables and disinfect
19 it and discharge it. I don't think we're
20 going to be allowed to do that. I -- I hear a
21 rumor that if you do it it has to be treated
22 to the level that your plant treats.

23 Engineering estimates for total
24 separation of combined sewers in the service
25 area are approaching \$400 million. That's

1 pretty hard when somebody has \$17 million in
2 the budget.

3 Currently, we do have a CSO project
4 underway at the Ross Street diversion chamber
5 at Wilkes-Barre that is -- that is the
6 combined effort of EPA, the state, and
7 ourselves.

8 I think it's 55 and then 45, and of
9 that 45 we split it with the state. I'm
10 pretty sure that's the combination.

11 With that said, the best time to
12 plant a tree was 20 years ago. The second
13 best time is today.

14 For that reason, we support Senate
15 Bill 101 which is authorizing \$1 billion
16 specifically for CSO overflows.

17 We, you know, understand and realize
18 that the \$1 billion is not going to do much,
19 but if we can get some participation from the
20 federal government and we understand we have a
21 share, as I said, of our \$7.4 million budget,
22 I think we are -- are footing 1.6 or 1.8
23 million of that.

24 And over the last 19 years that I've
25 been with the authority, or 17 of those years,

1 at least, any upgrade we've done we've done on
2 our own.

3 All the capital projects, if you
4 multiply it 2.5 times, you know, 20, that's --
5 our ratepayers paid for that directly.

6 The 56 pumping stations, we had 25
7 originally, which weren't enough, but our
8 board thought it would be smart if we went and
9 took on 31 additional more -- more
10 additional. And we did.

11 They're all in relatively bad shape.
12 We keep them operating and -- and really do a
13 pretty good job at it, but to upgrade the 25
14 original is about 15 million and 31 acquired
15 stations another 10, for a total of about \$25
16 million.

17 The plant equipment needs, you know,
18 we all know that about 20, 25 years our
19 equipment lasts. We do water sludge with
20 centrifuges and an incinerator, fluidized bed
21 incinerator. We're going to take a hard look
22 at that. Natural gas -- prices -- is our
23 ancillary fuel, and it's killing us. And we
24 are -- we do have primary treatment. So we
25 have a hundred percent waste activated sludge

1 which we incinerate, which we can't get to
2 go.

3 We're looking at adding grease or
4 some oils to it. Waste stuff, if we can do
5 it, to help with that. Otherwise, you know,
6 we're going to have to take a hard look.

7 But, anyway, if we go ahead and
8 upgrade that, we're looking at another \$9
9 million. Basically the total cost of all
10 sizable projects -- and I say sizable, because
11 we really do try to do the smaller projects,
12 you know, funded by our ratepayers, and -- and
13 a lot of them we design. We have an in-house
14 engineer and technician. We design in-house
15 and do in-house.

16 And we will be undertaking like close
17 to a million dollar project this summer, as I
18 said, replacing the air line. All the other
19 equipment below the water line in train two
20 will be -- will be the last train.

21 We're doing it. We already purchased
22 the equipment to the tune of \$330,000 and
23 we'll be installing that soon.

24 The total cost is a 131, plus
25 whatever extra was added yesterday, to about

1 440, depending on -- if you look at that one
2 CSO project of 7.4 million and multiply it
3 times 55, you come pretty close to that number
4 of -- of \$440,000.

5 And I need this disclaimer. WVSA's
6 charge is the transmission and treatment of
7 wastewater. We do not know the age nor the
8 condition of over 800 miles of pipe in the
9 collection systems of our service towns.

10 Some of them I know for a fact were
11 installed in the 1800s. You know, we were
12 talking before, you know, pipes put in in the
13 1950s, '60s, and '70s. Well, we aren't even
14 in the 1900s. And over 400 miles of those
15 pipes are combined sewer systems.

16 The cost of separation is unknown,
17 with the estimates running in the hundreds of
18 millions of dollars.

19 And with that, I'd end my
20 presentation.

21 DEPUTY SECRETARY MYERS: Thank you
22 very much.

23 Okay. And let's move on to Jeff
24 Hines, United Water.

25 MR. JEFFREY HINES: Thank you, Deputy

1 Secretary. Correction. I'm with the York
2 Water Company. My name is Jeff Hines. I'm
3 the -- the president and chief executive
4 officer of the York Water Company.

5 Incidentally, the York Water Company
6 was founded in 1816 and is the oldest and best
7 run utility in the nation. And so we've been
8 practicing full cost pricing for 192 years.

9 I serve as a director and past
10 chairman of the National Association of Water
11 Companies, the Pennsylvania chapter, and on
12 behalf of the Pennsylvania chapter I'd like to
13 thank the task force for inviting me to speak
14 today.

15 Let me start by providing a brief
16 description of the association. The National
17 Association of Water Companies represents all
18 aspects of the private water service industry,
19 including ownership of regulated drinking
20 water and wastewater utilities and the many
21 forms of public/private partnerships and
22 management contract arrangements.

23 The Pennsylvania chapter consists of
24 12 member companies that provide reliable
25 drinking water to more than 3.5 million

1 Pennsylvanians every day in 43 of the
2 Commonwealth's 67 counties.

3 In addition to delivering potable
4 water, several of our member companies also
5 own and operate wastewater treatment systems.

6 I think it's fair to say that
7 Pennsylvania's community water systems deliver
8 tap water to homes and businesses every day
9 that is safe and complies with state and
10 federal standards. However, some systems,
11 whether publicly or investor-owned, lack the
12 capacity and are having an increasingly
13 difficult time finding the capital and human
14 resources required to comply with the
15 stringent water quality standards to remain
16 viable.

17 In a world of shrinking supply,
18 increasing population, more stringent
19 regulations, and a seriously aging
20 infrastructure, costs will inevitably rise.

21 The political and community
22 implications of rising water costs will be
23 far-reaching as the cost of water begins to
24 move inexorably toward its true value.

25 In 2003 Christy Whitman, former U.S.

1 EPA administrator, and Tracy Mahan, assistant
2 administrator, commented to the water
3 utilities that the federal government should
4 not be expected to take the brunt of the
5 financial burden for replacing the nation's
6 drinking water and wastewater infrastructure.

7 At a conference of the Association of
8 Metropolitan Water Agencies, Mahan remarked,
9 it is a fair question to ask, who are we going
10 to charge? Ratepayers? Or taxpayers? At the
11 end of the day can we really say our
12 infrastructure is sustainable if it is funded
13 by the federal government?

14 The question as to who pays is
15 further complicated by the fact that most
16 customers do not understand the complexity of
17 gathering raw, untreated water, treating it,
18 and delivering it for distribution directly to
19 our homes. Nor do they understand the
20 collection and treatment of wastewater.

21 Therefore, customers do not realize
22 that the water and wastewater industry is an
23 extremely capital intensive business,
24 especially in comparison to other utility
25 services, and simply do not place a

1 high-enough value on this service.

2 A significant portion of our nation's
3 water and wastewater infrastructure is
4 reaching the end of its useful life. There
5 are thousands of miles of pipeline that were
6 installed 50 to a 150 years ago which need to
7 be replaced.

8 This aged infrastructure, although
9 mostly unseen and taken for granted by the
10 public, has been the essential building block
11 for any advanced society.

12 We are all beneficiaries of this
13 magnificent network of treatment plants, pump
14 stations, and pipes that was handed down to us
15 by generations before.

16 And the truth of the matter is,
17 because our drinking water and wastewater
18 infrastructure has lasted so long, we haven't
19 worried about the cost of replacing it. We
20 can, therefore, be sure that going into the
21 future tap water and wastewater service will
22 cost more than it does today.

23 So we've arrived not at a crisis but
24 at a turning point. The choice we face is
25 either to adopt strategies to renew our water

1 and wastewater infrastructures or accept the
2 erosion over time of reliable water and
3 wastewater service.

4 Again, to make my point clear, the
5 National Association of Water Company members
6 maintain over 11,000 miles of water main.
7 That's enough water main to traverse the
8 United States nearly four times.

9 The size of the mains range from one
10 inch to 60 inches with some of these mains
11 being over 150 years old. The replacement of
12 these older mains is critical if we desire to
13 leave the future generation with a sound,
14 reliable water system.

15 In the past five years alone, the
16 Pennsylvania Association of Water Companies,
17 the York Water Company, and United Water
18 Company have invested collectively over \$670
19 million to ensure safe, reliable drinking
20 water.

21 While the state has and will no doubt
22 continue to assist water and wastewater
23 systems through infrastructure financing
24 programs, like PENNVEST, PENNWORKS, and PEDFA,
25 ultimately -- ultimately it is the

1 responsibility of water and wastewater
2 professionals to educate their boards and
3 customers, implement asset management and
4 replacement plans, and make the tough choices
5 regarding rates for service and the need for
6 frequent increases going forward.

7 We simply cannot put a price on the
8 service that delivers public health, fire
9 protection, support for the economy, quality
10 of life, and environmental protection.

11 So, in conclusion, how we do address
12 this capital intensive instrument and how do
13 we assure we have the proper financial
14 mechanisms in place to meet the needs of the
15 underground infrastructure replacement, as
16 well as the cost to upgrade treatment
17 facilities to ensure continued compliance to
18 new regulations?

19 Self-sustainability, not dependence
20 on government grants, should be the goal of
21 water and wastewater systems and public policy
22 should seek to encourage and support this
23 goal.

24 That concludes my prepared remarks.
25 We've also submitted suggested funding

1 principles for the task force to review.

2 And one final comment on
3 self-sustainability, if you're
4 self-sustainable, it doesn't matter what the
5 federal government does with their money. You
6 don't have to worry about it.

7 Thank you.

8 DEPUTY SECRETARY MYERS: Thank you
9 very much, John -- Jeff. I have a John here.

10 I see we have one more -- no, we have
11 two more on this panel. Don Amadee from
12 Buffalo Township.

13 MR. DON AMADEE: Thank you. Madam
14 Secretary, honorable members of the
15 Sustainable Water Task Force, and citizens of
16 the Commonwealth, thank you for allowing me to
17 address the task force on the significant
18 challenges we face in building, financing, and
19 operating public water infrastructure in
20 Pennsylvania.

21 Since I have only a few minutes of
22 your time, I hope to quickly tell you what I
23 do, what challenges I face, and what
24 recommendations I would have for the work of
25 this task force.

1 Unfortunately, I have no slides and
2 I'm not very funny, so -- however, it is a
3 shame that some of the people have left
4 because the secretary did ask me to pass out
5 the door prize once I'm done.

6 I manage a public water and sanitary
7 sewer authority in southern Butler County,
8 about 30 miles north of Pittsburgh. We serve
9 a population of about 6,800 people, and that's
10 population customers. We probably have around
11 3,200 individual customers. That's in three
12 different municipalities.

13 We make our own water from a surface
14 water treatment plant on the Allegheny River,
15 and we treat our own sanitary flow at a
16 wastewater treatment plant on Buffalo Creek.

17 My service areas include a
18 175-year-old borough, rural farmland,
19 1950s-era residential subdivisions, trailer
20 parks, modern planned residential
21 subdivisions, and one of the Commonwealth's
22 newest and largest industrial parks.

23 When I was asked to testify to this
24 body on the challenges facing small
25 authorities, my first thought was, of course,

1 we need money.

2 And when I was told that there would
3 be others testifying today as well, my second
4 thought was, well, I hope there are enough
5 different ways to say we need money or it was
6 going to be a long and boring day. We know
7 it's been long so far.

8 Since I've told you what my service
9 areas are, I suspect that you can guess what
10 my challenges are. How do I operate,
11 maintain, and rebuild the largely original
12 water system in my 175-year-old borough?

13 How do I make my 89-year-old water
14 treatment plant meet the standards and the
15 demands of 2008?

16 How do I comply with a mandate from
17 DEP or a request from my citizens to extend
18 water or sewer service to my rural farmland or
19 my 50's-era residential subdivisions with low
20 population densities without charging tap fees
21 that look like annual tuition bills or monthly
22 bills that look like your January gas bill?

23 How do I take over the failing
24 patchwork systems in the trailer parks in our
25 community without bankrupting the owners,

1 closing the park, and forcing those customers,
2 those citizens to move elsewhere?

3 And, finally, how do I keep up with
4 the demands of growth in my new subdivisions
5 and industrial parks without making my
6 existing customers finance the expansion or
7 raising fees so high that these customers go
8 elsewhere?

9 So these are some of the challenges I
10 face. Unfortunately, I don't know how I will
11 overcome those challenges, but I do know one
12 thing. As fond as I am of the adage that we
13 have no problems that money can't solve, I
14 know that money alone will not be enough.

15 I guess that should give us hope
16 because we all know that for at least the near
17 future, and probably our future, we're going
18 to have less money to solve those problems
19 with and not more.

20 So if there is no magic bullet, what
21 suggestions do I have?

22 Well, I believe that we need to make
23 the best use of the dollars we have at our
24 disposal. We need to get those dollars to the
25 people who can do the -- make the best use of

1 them, and we need to streamline the process of
2 access to that money.

3 And regionalization is going to be
4 key to making the best use of the funds that
5 we have. It's -- I think every presenter
6 today has discussed regionalization.

7 Everyone agrees with the concept when
8 you bring it up, but no one ever seems to be
9 willing to take the steps necessary to make it
10 happen.

11 Pennsylvania is crippled by the
12 ingrained, parochial mindset that we all
13 share. There's been a great deal of
14 discussion and planning for regional solutions
15 in the southwestern part of the state.

16 The Regional Water Task Force and the
17 3 Rivers Wet Weather demonstration program,
18 they're looking at regional solutions. We
19 heard about some of those today.

20 I support this effort and I hope that
21 it succeeds. But until local leaders see a
22 significant advantage, they are not going to
23 be willing to give up any power or any
24 control.

25 Great example of how regionalization

1 can work and is working is the Indiana County
2 Municipal Services Authority, ICMSA.

3 If you've driven through Indiana
4 County on Route 422 or Route 119, you've most
5 likely seen the telltale green-and-yellow
6 buildings of a ICMSA pump station or package
7 treatment plant. They're usually at the
8 outskirts of the community and so, as you go
9 rolling through, you'll see them out there
10 surrounded by a fence.

11 These areas have joined ICMSA because
12 they saw a well-run organization who could
13 make their water or sewer problem go away and
14 they said, I want to be part of that.

15 That's how we're going to get people
16 to buy into regionalization. Not by mandate,
17 but by taking away their problems and
18 providing them with a turnkey solution.

19 That same process is happening in my
20 system. We have a neighboring community
21 facing an expensive and disruptive sewer
22 project through a largely rural and low income
23 area, and they have no desire to get into the
24 sanitary sewer business.

25 They saw the success of our operation

1 just a few miles downstream, and they decided
2 to have us own and operate the system for
3 them. I have high hopes for that project, and
4 I hope we don't let them down.

5 One important note I think is often
6 misunderstood about regionalization. Actually
7 I thought it was misunderstood, but I've heard
8 several people mention it today. So I guess
9 we know.

10 It does not always have to involve
11 water interconnections and long sanitary sewer
12 interceptors.

13 Our own project is a prime example. I
14 could save nearly half of the \$6 million price
15 tag of this project if we could operate the
16 system as a satellite using a package plant
17 and a circuit rider.

18 I think the reason we're not is a
19 desire by permitting agencies, DEP, to
20 consolidate treatment and to reduce the number
21 of surface discharges. I understand and I
22 agree that that's a worthy concept, but we're
23 looking for ways to save money and make the
24 best use of our dollars, and I think that this
25 is a great way to generate savings.

1 The \$3 million that I would save on
2 just this one project would certainly be a
3 welcome addition to someone else's
4 construction budget.

5 By the way, in case you're
6 wondering -- and I'm sorry that the Governor's
7 representative left -- but if you're wondering
8 if my customers are paying their fair share,
9 they are.

10 Our minimum sewer and water charge is
11 \$63. That's a minimum charge each month. Our
12 average ratepayer pays about \$90 a month for
13 water and sewer services. Or if you want to
14 think of that in terms of our median income,
15 that's about two-and-a-half percent of the
16 median income for our area of 45,000.

17 Professional management training is
18 going to be key to making regionalization
19 work. We've made great strides in operator
20 certification and continuing education over
21 the last few years, but one of the casualties
22 has been the virtual elimination of DEP's
23 training programs for operators and DCED's
24 training programs for management personnel.

25 I'll make, at this point, a shameless

1 plug for one of my favorite organizations,
2 Pennsylvania Rural Water Association. The
3 representatives are here today.

4 They've made up the shortfall that
5 this caused in operator training, and they
6 launched a new professional utility management
7 course to give our managers the skills they
8 need.

9 Systems run by graduates of this
10 program are going to be good places for the
11 Commonwealth to spend their limited dollars.

12 When considering how to best use our
13 limited dollars, I often wonder why we are
14 still pouring dollars into sanitary systems
15 that serve rural and largely agricultural
16 areas with thin populations and high
17 development costs.

18 In 1998 my system completed a \$14
19 million sanitary sewer project that served
20 1300 customers. We had many areas that were
21 in real need of sanitary service and the
22 project was a success, but we spent over a
23 third of our project budget to run long
24 interceptors through farm fields to pick up
25 small patches of homes on country roads whose

1 problems basically amounted to some gray water
2 in the roadside ditch.

3 We wanted to wait to serve these
4 customers in later years but our 537 plan,
5 with that option, was repeatedly turned down.
6 Given our current funding situation, I think
7 we need to stop pressing communities to
8 complete low priority projects like these.

9 I believe every dollar we spend on
10 water and sewer infrastructure in support of
11 development will come back to us twofold.
12 Water is the fuel that drives our economic
13 engine.

14 I'm looking for money right now to
15 rebuild my 89-year-old water treatment plant.
16 I need to rebuild because of the age of my
17 physical plant; but if I could add capacity,
18 or at least provide for the footprint of
19 future capacity, I could serve the needs of
20 new residential, commercial, and industrial
21 development, and the revenue from those
22 sources, as opposed to increased rates and new
23 loans, would finance my future operations and
24 expansions.

25 I guess that contradicts my earlier

1 comments and statement that there's no new
2 money. If we can attract new customers, then
3 they will bring us new money.

4 I think that's one of the highest
5 priorities and best uses for our limited
6 funds. I think these projects should have
7 priority because they provide our systems with
8 new customers and new revenue.

9 The PENNWORKS program was -- it
10 uniquely targeted these types of projects, and
11 it should be revived, I believe.

12 If there is no new money to put into
13 PENNWORKS, then we may want to consider
14 reprogramming some existing funds into this
15 highly successful program.

16 I can't say enough about the fine
17 work of the Pennsylvania Infrastructure
18 Investment Authority. My system received one
19 of the very first PENNVEST loans and we would
20 not be what we are without that program.

21 I think PENNVEST is a model for
22 revolving loan programs throughout the
23 country, and any funding solutions developed
24 by this body, I believe, should use PENNVEST
25 for distribution.

1 However, I also believe that some of
2 the requirements placed on PENNVEST in recent
3 years has taken off some of their shine. Now,
4 Dennis, doggone you, you stole my thunder
5 here.

6 But this is what one of our typical
7 PENNVEST applications looks like. These are
8 the 13 different pay requests that we fill out
9 to get access to that money. Each one of them
10 takes about 60 days to be processed, go
11 through PENNVEST, go through the comptroller's
12 office.

13 This is the inevitable audit that
14 follows any PENNVEST funding.

15 And this, on the other hand, is what
16 it takes to borrow a similar amount of money
17 through a commercial bank.

18 Now, as I said, I believe you have
19 some of the best and brightest at PENNVEST.
20 And I -- I applaud their work. But I feel
21 sure if you ask them for suggestions on how to
22 make the best use of the limited funds we
23 have, I'm sure they would tell you that
24 there's an inherent cost to this work and if
25 we can reduce that cost, then we can put more

1 dollars into water and sewer projects.

2 So these are my impressions of
3 challenges we face and some of the ways that
4 we can continue to fund needed projects with
5 our limited funds.

6 I agree they may be simplistic or
7 perhaps even naive -- another he stole from
8 me.

9 As you may have guessed, I'm a
10 engineer. I -- I'm a technician, not a
11 trained urban planner, financial expert, or a
12 politician.

13 As I see it, our charge places upon
14 us obligations, not just to the customers of
15 our system who depend on us for water and
16 sanitary sewer service, but we also have an
17 obligation to the citizens of the Commonwealth
18 who need and expect us to expand service into
19 areas where it's needed to address public
20 health issues and to support residential,
21 commercial, and industrial development.

22 Water is life to our cities, our
23 towns, our boroughs, and our townships. It's
24 also the fuel that keeps our economic engine
25 running. And by making the best use of the

1 funds we have and by getting those funds into
2 the hands of those who can do the most good
3 with them and by streamlining the process of
4 accessing that money, then I believe that
5 we'll meet the requirements of that charge and
6 we'll meet the requirements of our obligation
7 to our customers and to our citizens.

8 Thank you again for this opportunity
9 to provide input to the task force, and I look
10 forward to sharing in the fruits of your
11 labors.

12 Thank you.

13 DEPUTY SECRETARY MYERS: Thank you,
14 Don. I want to comment on many things, but I
15 do want to just say to you, because of the
16 comment of the centralized system being pushed
17 by the department, that has not been the
18 administration's policy for five years.

19 But people being people, it takes a
20 while to change things. So I'm glad to know
21 about your problem.

22 We do not any longer think that every
23 septic system is a temporary solution waiting
24 for a pipe. If it's in good soils, it's as
25 good as any other way to treatment domestic

1 sewage and small package plants are great and
2 satellites are wonderful ideas.

3 So those will all be on the table,
4 and we'd like to know areas people have
5 experience and thoughts with them.

6 MR. AMADEE: Thank you.

7 DEPUTY SECRETARY MYERS: Okay. Last,
8 but not least, Jim Hassinger from the
9 Southwestern Pennsylvania Commission.

10 MR. JAMES HASSINGER: Thank you. I
11 just need to grab one of your microphones.
12 Any available seat will work.

13 Thank you. I just had a few things I
14 wanted to talk about for a minute, and among
15 those, of course, is appreciating the work of
16 the task force.

17 We in southwestern Pennsylvania do
18 have right now a draft task force report of
19 the Southwestern Pennsylvania Regional Water
20 Task Force. At SPC we're taking a thorough,
21 active, and serious look at recommendations
22 that are in draft form from our own task group
23 that is chaired by Dr. Jerry Cohon of the
24 Carnegie Mellon University.

25 And so we're in the middle of doing

1 some similar things, and we thought this was a
2 really wonderful coincidence of opportunity,
3 and not so much coincidence, perhaps because
4 the problems are serious and they are matters
5 of public and private concern in southwestern
6 Pennsylvania like they are in the rest of the
7 state.

8 So the -- the synergy that can be
9 created by the work that's being done at the
10 state level and with people all across the
11 state we think can help us.

12 We don't want to get too far ahead of
13 where this task force may be and we don't want
14 to get left behind either. So we are engaged
15 with our policy advisory committee of SPC.
16 We'll be meeting later this month.

17 We've asked the committee to report
18 by the end of the summer on recommendations
19 that have been developed by that task force.

20 We have very challenging topography.
21 As you know, I expect that there's already
22 been discussion about some of the problems
23 that are specific to the southwest, which is,
24 for our purposes, is about ten counties and
25 over 7,000 square miles.

1 We have, of course, CSO issues. We
2 have stormwater management issues. We have
3 acid mine drainage. We have septic tank
4 issues, on-lot systems, and there are -- in
5 terms of even the discussions about where to
6 put emphasis and how to put together efforts
7 to address all those issues, there are issues
8 of equity with the part of the planning
9 process and the decision-making that we have
10 to wrestle with, and we appreciate what has to
11 be wrestled with at the state level.

12 But there isn't -- in all of that,
13 there isn't a great deal of money relative to
14 the size of the challenge. There isn't a
15 great deal of precedent relative to the size
16 of the challenge and complexity of it and
17 there isn't a great deal of protocol already
18 established in the planning process in the
19 same way that it is there, to a certain
20 degree, in the transportation planning process
21 which SPC, as a regional body, is perhaps more
22 recognizable as.

23 We are the MPO for the region and do
24 the transportation planning that relates to
25 the federal revenue sources to projects that

1 are partly federal, partly state, partly
2 local, and with a look in the cooperative
3 process at the regional level.

4 And so this task force that we have
5 encouraged members from our own counties to
6 join and participate in and make
7 recommendations on is cognizant of that role
8 that SPC plays, has played in significant ways
9 in transportation, but also its role as a
10 local development district and economic
11 development district and the diversity of the
12 things that it does.

13 Like some other organizations at the
14 regional level, in, particularly, the
15 Appalachian portion of the state, which is
16 seven organizations that cover most of the
17 state, and the rest of it, of course, covered
18 by organizations like DVRPC who have
19 relationships with the obligations that are
20 associated with Chesapeake Bay interstate
21 compacts.

22 And so there is a fair amount of
23 research that has been done recently by
24 significant projects, by groups like the
25 National Research Council that was brought

1 into help with the University of Pittsburgh's
2 Institute of Politics' work for us on this
3 matter, and their reports are out there and
4 available.

5 But they have -- the reason I'm
6 speaking to it particularly is because they
7 have pointed to the need for continuing
8 development of plans at the regional level and
9 encouragement of solutions that fit the region
10 in ways that the region itself thinks is
11 appropriate, along with its partners at the
12 state and federal, but cognizant of
13 recognizing the specific role of the
14 authorities and -- and the -- the resources
15 that they have and the expertise that they
16 have, the geography that they have to deal
17 with, and their relationships with the others
18 around them.

19 Folks have pointed at SPC as one of
20 those kinds of organizations that may
21 represent a way of going forward to examine
22 larger areas in relationship of the
23 environment and the other pieces of the
24 infrastructure that have to fit together as an
25 overall regional plan.

1 So when we do a regional plan, we do
2 it as an integrated plan for development in
3 concert with the counties and other
4 governments, and state and federal, in a way
5 in which it's a collaborative effort.

6 We have to figure out how to allocate
7 scarce transportation resources, like the
8 scarcity that exists in water, in an equitable
9 way to the needs that exist for diverse kinds
10 of transportation.

11 And the relationship between the
12 transportation infrastructure, water
13 infrastructure, and other kind of
14 infrastructure, I think, is indicated by
15 something very simple.

16 There's a -- there's a number of
17 square feet of bridge deck that we have in
18 southwestern Pennsylvania that has to be
19 maintained. It's been built. It's already
20 there. It has to be maintained.

21 There are so many waterways, there's
22 so many valleys and hills that have to be
23 traversed in that region that it does
24 represent about, I think, about 30 percent of
25 what is part of the state's waterway system.

1 There are 30 million square feet of
2 bridge deck that has to be maintained. We put
3 about a \$150 million a year routinely into
4 maintaining the bridge systems as part of that
5 collaborative effort in the transportation
6 systems that go over those waterways.

7 Next year we'll probably, in concert
8 with the state, if some new revenues become
9 available, put upwards of a quarter of a
10 billion dollars per year into the bridge
11 maintenance issues. And for the foreseeable
12 future, we'll get a lot done in the next
13 several years.

14 But that's a continuing issue. It's
15 a continuing issue that's being recognized
16 more at the federal level partly because of
17 crises.

18 When the bridge collapsed in
19 Minneapolis, people began to understand how
20 important bridge maintenance was and doing
21 bridges properly and understanding their
22 engineering properly and working with the
23 entire transportation system. But it's only
24 one part of the infrastructure.

25 I remember when I was in class in --

1 in school up at Penn State many years back
2 when -- as part of the curriculum, we read
3 Rachel Carson's book and, among other things,
4 we had some presentations that were about the
5 entire study of the infrastructure. Not just
6 what we do in terms of maintaining air and
7 water qualities, but how they fit together
8 sometimes is illustrated in a little cartoon
9 that I saw -- I kept it as a bookmark in one
10 of my texts.

11 It's a little Family Circus cartoon
12 and there's a mother and little child and
13 they're walking down the street. And they see
14 a guy pop out of a -- out of a manhole and
15 he's up on a ladder. And the kid says to the
16 mother, mommy, I didn't never realize there
17 was a downstairs to this street.

18 And there is a downstairs to the
19 street. There's a city under the city. And
20 there are places where there is no city under
21 the city. There is no infrastructure under
22 the street.

23 And maybe it doesn't need to be
24 there. Maybe parts of the region really have
25 to have a different kind of treatment of

1 septic than you would for an elaborate sewage
2 system, and we can work that out at the
3 regional level. With participation and
4 collaboration with others, we can understand
5 that well.

6 So that's one of the reasons I think
7 that people can look to something like the
8 SPC.

9 There is a very complex network of
10 what goes into maintaining our economy and our
11 environment and livability for people all
12 around the state and throughout the nation,
13 and in the plans that we're developing at the
14 regional level, the perspective that we're
15 trying to take in, is the user integrator.

16 We have to understand there's an
17 integrated system, and so we do look for
18 opportunities to improve things as they
19 interrelate.

20 There are ways that we know -- and
21 I'm sure others have spoken to it and will --
22 to design the street differently so it's much
23 better at storm water retention.

24 I saw one of those at a national
25 planning conference just last week. A street

1 was re-designed while they were doing
2 revitalization of storefronts for commercial
3 purposes in a small town where they had
4 stormwater problems on the street. It was all
5 concrete. All blacktop.

6 And they redesigned it so there was
7 more natural infrastructure in the streetbed
8 itself and adjacent to it, and the natural
9 materials help direct water to places where it
10 could be retained temporarily and would not
11 overload the sanitary sewer system or, in a
12 combined system, the stormwater sewer system.

13 So there are ways to do it. I think
14 our ability to share that information with
15 each other and take advantage of it in a way
16 in which we can create plans which we can move
17 forward together is advantaged if we do think
18 about it as an integrated system and if we do
19 take advantage of opportunities to do planning
20 in a way in which we think about one at the
21 same time we're thinking about others and work
22 on plans to do that.

23 Now, we're going to -- I think you'll
24 hear more about the recommendations that are
25 specifically linking an SPC staff support to a

1 new structure to develop water management
2 resource planning collaboratively with the
3 members and the -- and the local authorities
4 and municipalities and the state when you get
5 fuller presentation from the task force.

6 But I would say that SPC, like other
7 organizations that were studied by the task
8 force in the region, like Atlanta Regional
9 Commission, Northeast Ohio Area Wide
10 Coordinating Agency, Wisconsin -- Southeast
11 Wisconsin Regional Planning Agency, and others
12 that are recognized around the country who
13 have different ways of approaching it.

14 Some of them have vestigial
15 responsibilities that they carried over from
16 decades ago when there was more money.

17 I think probably Southeast Wisconsin
18 and NOACA, who are in Cleveland, are very much
19 more like that.

20 Others, like Atlanta, are dealing
21 with crisis in water supply. And so they've
22 created new legislation at the state level to
23 help bring together a board which is staffed
24 by the Atlanta Regional Commission, the MPO
25 for that area, in order to aid that process.

1 So we'll look at things like that,
2 and we'll try to come to a resolution about
3 the best way to proceed, engaged with you. We
4 want to be engaged with this task force as we
5 work in the region with our members and -- and
6 do some productive things.

7 I think we're ready, willing, and
8 able to do that. We have done it before. We
9 at SPC -- I wasn't there, but do understand
10 that we had a full division of engineers
11 working on environmental issues, when there
12 was money available and it was federal money
13 principally. So we know what happens when
14 federal money goes away.

15 So there is an understanding and
16 expertise in what can be done at the regional
17 level and we do want to look at ways that are
18 appropriate, productive for local authorities
19 throughout the region, as well as the state,
20 and maybe there's some lessons that we have
21 learned along the way that we can share and
22 vice-versa. We'd appreciate that.

23 So I appreciate the task force, the
24 work of it. And that's all I wanted to share
25 today.

1 DEPUTY SECRETARY MYERS: All right.

2 Thank you, Jim.

3 I would just comment that we put you
4 on the needs panel, but you equally belong on
5 the innovative concepts and innovative
6 solutions panel. But we do want that
7 innovative solution panel to be not just about
8 technical solutions but also about financing
9 solutions, financial solutions, and about
10 institutional and management solutions that
11 can make it work.

12 So the one thing we just put this
13 whole --

14 MR. HASSINGER: Well, thank you, and
15 that's okay.

16 DEPUTY SECRETARY MYERS: -- need --

17 MR. HASSINGER: Yeah. I appreciate
18 that.

19 But the task force has done some
20 pretty extensive work and development in
21 understanding of needs within the region. And
22 I'm sure they're going to share that and --

23 DEPUTY SECRETARY MYERS: We'll need
24 that information.

25 MR. HASSINGER: It's extensive so

1 we'll let that --

2 DEPUTY SECRETARY MYERS: Right.

3 You're more thorough, I think, because you've
4 got a tri-county plant and it's pretty much
5 unduplicated around the state.

6 I want to give people a chance to ask
7 some questions of this panel.

8 Okay.

9 MR. CRUM: George Crum. I had a
10 question for Bernard.

11 Have you figured out what the impact
12 on your users would be, the ratepayers, if
13 there's no other funds available, just for
14 your mandated project?

15 MR. BIGA: No. The only one I can
16 tell you is -- is right now for the nutrient
17 removal. It will double their rates.

18 And our rates are only for the
19 transmission and treatment. The -- 36 of
20 those municipalities, they are revenue
21 authorities for the collection. So while they
22 pay us a very reasonable rate, they're at that
23 two percent that we talked about, just for
24 their wastewater collection and treatment.

25 MR. CRUM: Do most of those

1 municipalities roll that into their public
2 works or is it a separate fund?

3 MR. BIGA: The member towns roll it
4 into their public works. I live in the town
5 of Kingston. It's just taxed -- based from
6 the taxes. Other ones are starting
7 a-hundred-dollar, two-hundred-dollar-a-year
8 sewer maintenance fees, and the 22 newer ones,
9 since 1970s, they are separate authorities and
10 they are -- you know, their ratepayers pay
11 twice. They pay to the local authority for
12 the collection and then they pay us for
13 treatment.

14 MR. CRUM: Do you bill them
15 separately or do you bill the entity and then
16 they bill the customer?

17 MR. BIGA: We -- we bill everyone
18 individually, except one. There's the Dallas
19 Area Municipal Authority. It was ten years or
20 so ago DEP thought it would be best if they
21 stopped treating wastewater and became a pump
22 station. They did pump it to us and we treat
23 it.

24 We bill them. We bill the
25 authority. That is the only multiple entity

1 like that. We bill everyone else
2 individually.

3 MR. CRUM: I had a question for Don,
4 too. Does your authority do any on-lot
5 management?

6 MR. AMADEE: We do not, no.

7 MR. CRUM: Does anybody in your
8 region do that, in your service area?

9 MR. AMADEE: I don't believe so. I
10 don't know of any.

11 MR. CRUM: Thank you.

12 DEPUTY SECRETARY MYERS: Other
13 questions for the panelists? I think it must
14 be the hour. Fine presentations.

15 Well, thank you, gentlemen, and we
16 just have a couple other odds and ends.

17 MR. BLUEDORN: Thank you, guys, very
18 much.

19 DEPUTY SECRETARY MYERS: And we can
20 get out by 3:00 and keep this to a four-hour
21 session.

22 Just a reminder that you have the
23 future task force meeting dates and work group
24 meeting dates. The chairs for each of the
25 committees, if you're still here, stand up

1 just so people know who are they. Chuck Wunz
2 is one. Is Chuck still here? Okay. Paul is
3 the financing.

4 I have the list here. I want them
5 right.

6 MR. MARCHETTI: Financial resource.

7 DEPUTY SECRETARY MYERS: Financial
8 resource. Financial. Financial
9 sustainability is Dean Kaplan. Is Dean still
10 here?

11 MR. KOHL: He left.

12 DEPUTY SECRETARY MYERS: He had to
13 leave.

14 Okay. Needs assessment, John
15 Schombert.

16 MR. KOHL: John just left

17 Deputy SECRETARY MYERS: He just
18 left. We saw him on the panel from 3 Rivers
19 West Weather.

20 And Erik Ross is going to do
21 legislative regulatory. Stand up for your
22 members.

23 Do you have lists of all the members
24 that have been assigned to the task force, the
25 work groups that they requested?

1 One other thing of business I have is
2 what's next on the slate, is what I worked
3 with putting together is the regional meetings
4 that the legislative members that very
5 courteously agreed to host in the regions
6 throughout this month. You have the list.

7 What we have done is with the
8 Technical Advisory Committee, and others, put
9 together, and the work group chairs, put
10 together an initial list of some of the
11 fundamental questions that need to be answered
12 by each of the work groups.

13 So I'd like -- these are just drafts,
14 and I'm going to put two piles by the door
15 before you go out and if you could take these
16 and if there are important questions that are
17 missing or wrong-headed questions of -- that
18 bother you and you'd like to give us some
19 commentary on how we can improve these
20 questions, again, these are to solicit
21 discussion in the regions and to solicit
22 public input for each of the work groups.

23 Any other business or questions or
24 concern that should be addressed?

25 Marcus?

1 MR. KOHL: Just one thing I was going
2 to note, I've been speaking to the speakers
3 individually about electronic copies of their
4 presentations. Those will all be placed on
5 the web as soon as possible.

6 DEPUTY SECRETARY MYERS: Right.
7 Marcus Kohl is my assistant, my executive
8 assistant. And so he's -- for the foreseeable
9 future, he is the hub of all the
10 communications and getting things back out to
11 folks to where we will be underway. So he's
12 built the meeting today, and I thank you very
13 much, Marcus, for a job well done.

14 And we'll be working with each of the
15 groups on the various meetings that are coming
16 up. Thank you all for your time and
17 participation.

18 (The proceedings were concluded at
19 2:58 p.m.)
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I hereby certify that the proceedings
and evidence are contained fully and
accurately in the notes taken by me on the
within proceedings and that this is a correct
transcript of the same.

Brenda S. Hamilton, RPR
Reporter - Notary Public