



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

October 26, 2011

MEMORANDUM TO: David J. Wrona, Chief
Project Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

FROM: Lisa M. Regner, Sr. Project Manager
Project Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

A handwritten signature in black ink, appearing to read "L. Regner", written over a horizontal line.

SUBJECT: SUMMARY OF PUBLIC SCOPING MEETINGS CONDUCTED
ON SEPTEMBER 22, 2011, RELATED TO THE REVIEW OF THE
LIMERICK GENERATING STATION, UNITS 1 AND 2, LICENSE
RENEWAL APPLICATION

The U.S. Nuclear Regulatory Commission (NRC) staff conducted overview and environmental scoping meetings related to the review of the Limerick Generating Station, Units 1 and 2 (LGS), license renewal applications submitted by Exelon Generation Company, LLC (Exelon). Two public meetings were conducted on September 22, 2011, at the Sunnybrook Ballroom, 50 Sunnybrook Road, Pottstown, PA 19464. Approximately 100 people attended the meetings.

The attendees included members of the NRC staff, members of the public, representatives from Exelon, news media, local and State government officials, and a representative of a U.S. Congressman. Public comments and questions were split between the benefits of nuclear power operation and its detriments. The environmental impact concerns mainly focused on water usage, water contamination, radiation risks, and severe accident impacts.

Two Public Meeting Feedback forms were received from the public. One form included environmental scoping comments and has been processed for consideration by the staff. The other form expressed appreciation of the information presented by the overview and the supplemental literature provided during the open house.

A combined listing of attendees for both sessions is provided in Enclosure 1. Enclosure 2 is a copy of the meeting agenda. Enclosures 3 and 4 contain the official transcripts for the afternoon and evening meetings, respectively. Enclosure 5 contains a copy of the slides used during the NRC's presentation. Enclosure 6 is a handout, provided at the meetings.

Docket Nos. 50-352 and 50-353

Enclosures:
As stated

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LIST OF ATTENDEES
LIMERICK GENERATING STATION, UNITS 1 AND 2, LICENSE RENEWAL
ENVIRONMENTAL SCOPING MEETINGS

SEPTEMBER 22, 2011

PARTICIPANTS

AFFILIATION

Lisa Regner	U.S. Nuclear Regulatory Commission (NRC)
Robert Kuntz	NRC
David Wrona	NRC
Dennis Morey	NRC
Rich Barkley	NRC Region I
Neil Sheehan	NRC Region I
Nancy McNamara	NRC Region I
Jo Ambrosini	NRC Resident Inspector Office
Nicole Sieller	NRC Resident Inspector Office
Kurt Imhof	U.S. Senator Robert Casey's Office
Thomas Quigley	State Representative
Michael Stokes	Montgomery County Planning Committee
Rich Janati	PA Department of Environmental Protection
Dave Allard	PA Department of Environmental Protection
Michael Murphy	PA Department of Environmental Protection
Terry Derstine	PA Department of Environmental Protection
Henry Tamanini	PA Emergency Management Agency
Alan Brinser	PA Emergency Management Agency
Eileen Dautrich	Tri-County Area Chamber of Commerce
Tim Fenchel	Schuylkill River Heritage Area
Andrew Stein	Sustainable Energy Fund
Traci Confer	Energy Justice Network
Jim Derr	Pottstown Energy Advisory Committee
Jeff Norton	PA Energy Alliance
Dr. Lewis Cuthbert	Alliance for a Clean Environment
Donna Cuthbert	Alliance for a Clean Environment
Vaughn Shirey	Student
Marisa Somich	Student
Andrew S. Fluck	Student
Sylvia Pollick	Resident
Nancy Leaming	Resident
Mellissa Anthim	Resident
Nancy Ludwig	Resident
Daniel Ludwig	Resident
Camilla Lange	Resident
Jay Beckman	Resident
Jim Troutman	Resident
Tom Lindauer	Resident
Jeff Chomnuk	Resident
Charlie Koenig	Resident
David Trexler	Resident
Nick Lampe	Resident
Debra Kolarz	Resident
Tom Wojton	Resident

ENCLOSURE 1

John B. McGowan, Jr.
Agron Cohen
PJ McGill
Thomas Saporito*

Jaeco/GasBreaker/UMAC, Inc.
Excel Solutions
MMI Engineering
Saprodani-Associates

* Per teleconference call

AGENDA FOR PUBLIC MEETING TO DISCUSS
ENVIRONMENTAL SCOPING PROCESS FOR
LIMERICK GENERATING STATION, UNITS 1 AND 2,
LICENSE RENEWAL APPLICATION

THURSDAY, SEPTEMBER 22, 2011

Two Meeting Sessions: 2:00 - 4:00 p.m. and 7:00 - 9:00 p.m.

- | | |
|---|-------------------------------|
| I. Welcome and Purpose of Meeting | 15 minutes (Richard Barkley) |
| II. Overview of Safety Review Process | 15 minutes (Robert Kuntz) |
| III. Overview of Environmental Review Process | 15 minutes (Lisa Regner) |
| IV. Public Comments | As Required (Richard Barkley) |
| V. Closing/Availability of Transcripts | 5 minutes (Richard Barkley) |

*The NRC staff will host informal discussions one hour prior to each meeting session. No formal comments on the proposed scope of the Environmental Impact Statement (EIS) will be accepted during the informal discussions. To be considered, comments must be provided either at the transcribed public meetings (see agenda, above) or in writing, as described in the attached *Federal Register* Notice.

ENCLOSURE 2

October 26, 2011

MEMORANDUM TO: David J. Wrona, Chief
Project Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

FROM: Lisa M. Regner, Sr. Project Manager /RA/
Project Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

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*Concurrence via e-mail

OFFICE	LA: DLR/RPB2*	PM: DLR/RPB1	PM: DLR/RPB2	BC: DLR/RPB2	PM: DLR/RPB2
NAME	IKing	RKuntz	LRegner	DWrona	LRegner
DATE	10/6/11	10/ 19/11	10/26/11	10/26/11	10/26/11

OFFICIAL RECORD COPY

Memorandum to David J. Wrona from Lisa M. Regner dated October 26, 2011

SUBJECT: SUMMARY OF PUBLIC SCOPING MEETINGS CONDUCTED ON SEPTEMBER 22, 2011, RELATED TO THE REVIEW OF THE LIMERICK GENERATING STATION, UNITS 1 AND 2, LICENSE RENEWAL APPLICATION

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MBaty, OGC

EDiPaolo, SRI

JAmbrosini, SRI (A)

NSieller, RI

NMcNamara, RI

DScrenci, RI

NSheehan, RI

Official Transcript of Proceedings
NUCLEAR REGULATORY COMMISSION

Title: Limerick Generating Station License Renewal
Public Meeting: Afternoon Session

Docket Number: (n/a)

Location: Pottstown, Pennsylvania

Date: Thursday, September 22, 2011

Work Order No.: NRC-1128

Pages 1-77

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1 UNITED STATES OF AMERICA

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3 NUCLEAR REGULATORY COMMISSION

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5 PUBLIC MEETING TO DISCUSS THE LICENSE RENEWAL PROCESS

6 AND ENVIRONMENTAL SCOPING FOR LIMERICK GENERATING

7 STATION, UNITS 1 & 2

8 + + + + +

9 THURSDAY

10 SEPTEMBER 22, 2011

11 + + + + +

12
13 The Public Meeting met in the Sunnybrook
14 Ballroom, 50 Sunnybrook Road, Pottstown, Pennsylvania,
15 at 2:00 p.m., Richard Barkley, Meeting Facilitator,
16 presiding.

17 PRESENT:

18 RICHARD BARKLEY, Meeting Facilitator, NRC

19 ROBERT F. KUNTZ, Project Manager, NRR/DLR

20 DENNIS C. MOREY, Branch Chief, NRR/DLR

21 LISA M. REGNER, Sr. Project Manager,

22 NRR/DLR

23 DAVID J. WRONA, Branch Chief, NRR/DLR

24
25 PUBLIC COMMENTERS:

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1 WILLIAM ALBANY, Limerick Township Police
2 Department
3 ANITA BALY
4 LEWIS CUTHBERT, Alliance For a Clean
5 Environment, PhD
6 EILEEN DAUTRICH, TriCounty Area Chamber of
7 Commerce
8 TIM FENCHEL, Schuylkill River National &
9 State Heritage Area
10 TED DEL GAIZO, Main Line Engineering
11 MICHAEL GALLAGHER, Exelon Nuclear
12 WILLIAM MAGUIRE, Exelon Nuclear
13 JOHN MCGOWAN, UMAC
14 TOM NEAFICY, Limerick Township
15 TIMOTHY PHELPS
16 THOMAS QUIGLEY, Pennsylvania State
17 Representative
18 LORRAINE RUPPE
19 BILL VOGEL
20 FRED WINTER, MD
21
22
23
24

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P-R-O-C-E-E-D-I-N-G-S

2:04 P.M.

FACILITATOR BARKLEY: Good afternoon.
Wow. I'll try to get it adjusted to the sound system.

This is a great room, but I'm not used to such a large venue to be speaking in.

My name is Richard Barkley. I'm the meeting facilitator for this meeting and what I'd like to do is just lead off initially with asking who in the audience are members of an elected position with either state, county, or local government? Would somebody like to identify themselves? Go ahead.

MR. QUIGLEY: State Representative Tom Quigley.

FACILITATOR BARKLEY: Thank you.

MR. NEAFY: Tom Neafcy, Chairman of the Limerick Township Board of Supervisors.

FACILITATOR BARKLEY: Thank you. Would anyone else like to acknowledge themselves? Okay.

What I'd like to do quickly is just talk a little bit about the ground rules for doing this meeting as we go through. We have a lot of people who want to speak, lots of issues to cover, so I need to talk about how to make this meeting go fairly and so that everybody is heard to speak as we go through.

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I have a couple of ground rules that are typically used at these meetings and they work very effectively for me. One of them is asking you to sign up on a speaker card or the sign-up sheet in the back and so far I already have 16 people who have signed up. So in the time allotted I'll have to limit you about five minutes. Typically, I find -- yes, it was a yellow card, but we still work with the same cards.

I would like to try to see if you can finish your statement within five minutes. That's typically what's needed to make a statement on an issue and it's fair to everyone involved. If we go through 16 speakers in five minutes with the transition, we should finish right on time.

I'll try to call a couple speakers up so that the first person who is coming up, the other two people are kind of queued up and ready to go, so that makes for a smoother and faster transition as we go.

And I try to alternate early on a little bit to make sure our elected representatives get to speak early on, but it's not all elected representative speaking at the start, so we mix it up a little bit. It seems to be one that's been considered very fair to the audience.

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1 Can we go to the next slide then, please?

2 I would ask you to silence all cell phones, please.

3 Please speak clearly into the microphone.

4 Again, I'm getting a strange echo in this hallway
5 here. We have fantastic acoustics, but it is going to
6 be a little awkward I think sound-wise. So try to
7 speak into the microphone clearly and we'll make
8 adjustments as needed as we go through.

9 I would ask in all fairness, please do not
10 interrupt the speaker when you're not at the
11 microphone, just in the interest of fairness. If we
12 for some reason don't get to all your comments or you
13 have more than five minutes of comments, I'll give you
14 a little bit of leeway, but if you have much more than
15 that I would ask that you turn it in in a written
16 form. If you are uncomfortable with speaking, you can
17 always turn your comments in in a written form and we
18 accept them and consider them the same way we do as a
19 verbal comment.

20 This meeting is a transcribed meeting. We
21 have a transcription specialist here and so we will
22 record all your comments and then address them in the
23 course of this proceeding.

24 And finally, if you have any questions
25 regarding the conduct of this meeting, you have some

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1 issue with whether you get to speak or some issue of
2 fairness or you have a schedule constraint and you
3 need to speak earlier, please come see me. I'll be
4 standing over here to the corner.

5 With that, I'd like to turn it over to
6 Lisa Regner. Bob, do you want to -- yes. And Lisa
7 asked me that when you start out, please speak your
8 name clearly. That will help with the transcription
9 as he works through and tries to record all your
10 comments as clearly as possible. If you have your
11 comments all typed out and you're reading from a typed
12 arrangement, you're welcome to turn them into me and
13 I'll give them to the transcriptionist so that we
14 actually make sure we do this in a very clear and
15 precise manner.

16 With that, Rob Kuntz is going to go first.

17 Thank you.

18 MR. KUNTZ: Is this a good volume? Good.

19 Good afternoon. My name is Rob Kuntz. I
20 am the Safety Project Manager with the Division of
21 License Renewal and I am coordinating staff's review
22 associated with the Limerick Generating Station
23 license renewal application.

24 I'd like to thank you all for taking the
25 time to come out to our meeting this afternoon.

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1 Today, we will provide an overview of the
2 license renewal review process which includes both a
3 safety and environmental review. We'll describe to
4 you the numerous ways and opportunity the public can
5 participation in the Limerick license renewal process
6 through either the safety or environmental component,
7 or both.

8 We also will describe in more detail the
9 environmental review process associated with license
10 renewal review. But the most important part of
11 today's meeting is to receive any comments that you
12 might have on the scope of the environmental review.
13 We also will give you some information about how you
14 can submit comments if you prefer not to speak at this
15 meeting.

16 At the conclusion of today's presentation,
17 we'll be happy to answer any questions that you may
18 have on the license renewal process. However, I must
19 ask you to limit your participation to questions only
20 and hold your comments until the appropriate time of
21 the meeting. Once all questions are answered, we can
22 begin to receive any comments that you have on the
23 scope of our environmental review.

24 Next slide.

25 Before I get into the discussion of the

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1 license renewal process, I'd like to take a minute to
2 talk about the NRC in terms of what we do and what our
3 mission is. The NRC is a federal agency established
4 by the Energy Reorganization Act of 1974. We regulate
5 the civilian use of nuclear material. The Atomic
6 Energy Act of 1954 authorized the NRC to grant a 40-
7 year operating license for nuclear power plants. This
8 40-year term was based primarily on economic
9 considerations and antitrust factors, not on safety or
10 technical limitations.

11 The Atomic Energy Act also allows for
12 license renewal. The National Environmental Policy
13 Act of 1969, often referred to as NEPA, established a
14 national policy for considering the impact of federal
15 decision making on the human environment. Lisa will
16 discuss NEPA in greater detail.

17 The NRC's regulations governing nuclear
18 safety, security, and environmental protection are
19 contained in Title 10 of the Code of Federal
20 Regulations, often referred to as 10 CFR. In
21 exercising its regulatory authority, the NRC's mission
22 is three-fold: to ensure adequate protection of
23 public health and safety, to promote a common defense
24 and security, and to protect the environment.

25 The NRC accomplishes its mission through a

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1 combination of regulatory programs and processes such
2 as establishing rules and regulations, conducting
3 inspections, issuing enforceable actions, assessing
4 licensee performing, and evaluating operating
5 experience from nuclear power plants across the
6 country and internationally.

7 The NRC has resident inspectors at all
8 operating nuclear power plants. These inspectors are
9 on the front lines of ensuring acceptable safety
10 performance and compliance with regulatory
11 requirements.

12 Next slide.

13 Here's some background on the Limerick
14 license renewal. The license renewal application was
15 received by the NRC on June 22nd of this year. The
16 operating licenses for Unit 1 and 2 are set to expire
17 in 2024 and 2029, respectively. The licensee can
18 submit an application up to 20 years prior to the
19 expiration of their license, but they cannot be
20 granted a license for longer than 40 years. The
21 renewed license is superseding and it replaces the
22 existing license.

23 Next slide.

24 The first of the license renewal process
25 is to perform an acceptance and sufficiency review.

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1 When the NRC receives a license renewal application,
2 the NRC staff examines it to determine whether the
3 application contains sufficient information to justify
4 the staff's review. The staff looks to see whether
5 the applicant has provided enough in terms of
6 technical information, technical specifications, and
7 the environmental report so that the staff can begin
8 its work, the application has enough in it to warrant
9 the staff's review. Then the application is
10 considered acceptable and sufficient and it is put on
11 the NRC's formal docket.

12 General information such as the
13 applicant's name and address, business and
14 administrative information, technical information
15 about plant structures and components and how the
16 applicant proposes to manage aging pertaining to aging
17 management. This information is the focus of the
18 staff's safety review.

19 Technical specifications define the
20 operating parameters of the plant. The application
21 indicates what, if any, changes or additions to
22 technical specifications are necessary to manage the
23 effects of aging during the period of extended
24 operation. The applicant also includes the
25 environmental report which is the applicant's

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1 assessment of the environmental impacts of continued
2 operation. This information is the starting point for
3 the staff's environmental review which will be
4 discussed a bit later in the presentation.

5 Next slide.

6 I would like to mention a few very
7 important areas of NRC oversight that routinely come
8 up during our interactions with members of the public.

9 NRC staff addresses these areas of performance every
10 day as a part of the on-going regulatory oversight
11 provided for all currently operating power reactors.
12 They include current, safety performance as defined by
13 the NRC inspection findings, violations, and general
14 assessment of plant performance; emergency planning
15 and security. For specific information on current
16 performance of Limerick, you can use the link
17 provided on the slide.

18 The NRC monitors and provides regulatory
19 oversight of activities in these areas on an on-going
20 basis under the current operating license. Thus, we
21 do not reevaluate them in license renewal. That's not
22 to say that they're not important. We just do not
23 duplicate the regulatory process in this area for
24 license renewal.

25 Next slide.

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1 Since the accident at Fukushima, the NRC
2 has taken multiple steps to ensure the safety
3 operation of nuclear power plants both now and in the
4 future. As part of its initial response to the
5 accident, the NRC issued temporary instructions to our
6 inspectors directing specific inspections in nuclear
7 power plants in order to assess disaster readiness and
8 compliance with current regulations.

9 The next step in the NRC's response was
10 the report of the NRC's Near-Term Task Force. The
11 purpose of the Near-Term Task Force was to develop
12 near-term recommendations and suggest a framework for
13 us to move forward in the longer term. The Near-Term
14 Task Force issued its report on July 12th of this year
15 and discussed the results of their review in a public
16 meeting on July 28th. As a result of the review, the
17 Near-Term Task Force presented 12 over-arching
18 recommendations for improvement. These
19 recommendations are applicable to operating reactors
20 regardless of license renewal status.

21 Based on the results of the Near-Term Task
22 Force, the Commission has directed the NRC staff to
23 evaluate and outline which of the recommendations
24 should be implemented. The staff submitted a paper to
25 the Commission on September 9th providing the staff's

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1 recommendation on which task force recommendations,
2 and in the staff's judgment, should be initiated in
3 part or in whole without delay. On October
4 3rd, the staff will submit another Commission paper on
5 its prioritization of 11 of the 12 task force

6 Recommendation 1 of the task force, the
7 recommendation to reevaluate the NRC's regulatory
8 framework will be evaluated over the next 18 months.
9 To date, the NRC has not identified any issue as part
10 of these activities that call into question the safety
11 of any nuclear facility. Additionally, this review
12 process is going on independent of license renewal.
13 Any changes that are identified as necessary will be
14 implemented for all licensees regardless of license
15 renewal status.

16 More information on the NRC's post-
17 Fukushima activities, including the results of the
18 Near-Term Task Force, can be found on the NRC's
19 website by clicking on the Japan Nuclear Accident NRC
20 Action Link on the home page or directly through the
21 web address on this slide. There are also a
22 limited number of copies of the Near-Term Task Force
23 report available at the back of the room.

24 Next slide.

25 Now on to license renewal process. Here's

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1 a simplified diagram of the license renewal process.
2 The review involves two parallel reviews, the safety
3 review and the environmental review. These two
4 reviews evaluate separate aspects of the license
5 renewal application, but also features three other
6 considerations in the Commission's decision of whether
7 or not to review an operating license.

8 One of these considerations is the
9 independent review performed by the Advisory Committee
10 on reactor Safeguards or ACRS. Statutorily managed by
11 the Atomic Energy Act of 1954, the ACRS is a group of
12 scientists and nuclear safety experts who serve as a
13 consulting body to the Commission. The ACRS reviews
14 the license renewal application, the NRC's staff
15 evaluation, and inspection findings. The ACRS reports
16 their findings and recommendations directly to the
17 Commission.

18 Hearings may also be conducted if
19 interested stakeholders submit concerns or contentions
20 and their request for a hearing is granted. The
21 Atomic Safety and Licensing Board referred to as ASLB,
22 and adjudicatory panel will conduct the hearings. The
23 Commission considers the outcome of the hearing
24 process in its decision on whether or not to renew the
25 license.

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1 As part of the environmental review, the
2 staff consults with state, local, federal, and tribal
3 officials such as the EPA and the staff holds public
4 meetings to receive comments on the Draft
5 Environmental Impact Statement.

6 Now I'm going to describe the license
7 renewal process in a little more detail, starting with
8 the safety review.

9 Next slide.

10 To better understand the license renewal
11 process, it's good to know the safety principles that
12 guide license renewal. The first principle is that
13 the current regulatory process is adequate to ensure
14 that the licensing basis for all operating plants
15 provides and maintains an acceptable level of safety.

16 The second principle is that the current plant's
17 specific licensing basis must be maintained during the
18 renewal term in the same manner and to the same extent
19 as during the original licensing term. In other
20 words, the same rules that apply under the current
21 license will apply on the renewal term.

22 In addition, a renewed license will
23 include conditions that must be met to ensure aging of
24 structures and components important to safety is
25 adequately managed so that the plant's current

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1 licensing basis is maintained during the period of
2 extended operation.

3 The regulations governing license renewal
4 are based on two principles. To effectively
5 communicate these principles, I need to describe a
6 concept, a term of art used by the NRC. That concept
7 is licensing basis. Licensing basis consists of a
8 wide range of design and operational requirements and
9 conditions that must be met for the plant to comply
10 with its operating license. The primary focus of
11 these requirements is to maintain public health and
12 safety. They serve as the basis upon which the NRC
13 originally licensed the plant. To continue to
14 operate, the plant must conform with its licensing
15 basis.

16 Next slide.

17 The safety review focuses on the aging of
18 passive and long-lived structures and components and
19 systems that the NRC has deemed important to safety.
20 Components within the scope of license renewal are
21 defined in 10 CFR 54.4 and include safety-related
22 systems, structures, and components, nonsafety-related
23 systems, structures, and components whose failures
24 could prevent satisfactory accomplishment of safety-
25 related SSC functions. And systems, structures, and

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1 components relied on in its safety analysis or plant
2 evaluations to perform a function that demonstrates
3 compliance with the regulations for fire protection,
4 environmental qualification, pressurized thermal
5 shock, anticipated transients without scram, and
6 station blackout.

7 Passive components are components who
8 perform the functions without moving parts or change
9 in configuration or properties. Long lived are those
10 that are not replaced on qualified life or specific
11 time period. Active components are generally excluded
12 from license renewal because degradation is more
13 readily detected by existing surveillance and testing
14 and performance monitoring and condition monitoring.

15 The staff's main objective in this review
16 is to determine if the effects of aging will be
17 adequately managed by the applicant. The results of
18 the safety review are documented in a Safety
19 Evaluation Report.

20 Next slide.

21 A safety review comprises numerous
22 aspects. The technical staff reviews the application,
23 the applicant's license renewal application and
24 supporting documentation that determines the
25 applicant's methodology to identify the systems,

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1 structures, and components within the scope of license
2 renewal and subject to an aging management review to
3 determine if the methodology has been properly
4 implemented and to determine with reasonable assurance
5 that the effects of aging for certain systems,
6 structures, and components will be adequately managed
7 or monitored by new and existing programs and
8 surveillance activities.

9 The staff uses site audits to verify the
10 technical basis of the license renewal application and
11 to confirm that the applicant's aging management
12 programs and activities conform with how they are
13 described in the application. The staff documents the
14 basis and conclusion of its review in a Safety
15 Evaluation Report which is publicly available. In
16 addition, a team of specialized inspectors travel to
17 the reactor site to verify that aging management
18 programs are being implemented, modified, and planned
19 consistent with the license renewal application.

20 Finally, as I've mentioned, the Advisory
21 Committee on Reactor Safeguards, the ACRS, performs an
22 independent review of the license renewal application,
23 the staff Safety Evaluation Report, and inspection
24 findings and makes a recommendation to the Commission
25 regarding the proposed action to issue a renewed

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1 license.

2 Next slide.

3 This slide shows the important milestones
4 for the Limerick license renewal. Like I mentioned,
5 the application came in on June 22nd. Right now,
6 we're in the middle of the hearing process and that
7 runs through October 24th and that is the public's
8 chance to request the hearing and review of the
9 application. This meeting will serve as an
10 opportunity to solicit comment on the environmental
11 report, but you can continue to provide comment
12 through October 28th. The SER with Open Items, the
13 staff's evaluation is planned to be issued in July of
14 2012.

15 Let's see. And without a hearing, the
16 plan is to have a decision on the license renewal
17 application by April of 2013.

18 That concludes my portion of the
19 presentation. I'll turn it over to Lisa now.

20 MS. REGNER: Thank you, Rob. Can you hear
21 me okay? Good afternoon. As Rob said, my name is
22 Lisa Regner and my focus for the Limerick license
23 renewal review is on the environmental side. It's
24 equally important. It's separate from the safety
25 review that Rob talked about, but it's equally

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1 important.

2 The review is performed in accordance with
3 the National Environmental Policy Act of 1969 or NEPA,
4 as Rob said. NEPA established a national policy for
5 considering environmental impacts and provides the
6 basic architecture for federal environmental reviews.

7 So all federal agencies are required to follow a
8 systematic approach in evaluating potential impacts of
9 projects and also to assess the alternatives to those
10 actions.

11 By law, the NEPA process involves public
12 participation and public disclosure. That's primarily
13 why we're here today. NEPA established the U.S.
14 Council on Environmental Quality, the CEQ, within the
15 Executive Office of the President. And the CEQ
16 establishes policy for how NEPA is to be implemented.

17 The NRC's environmental regulations are contained in
18 10 CFR Part 51 and they are largely based on those
19 that the CEQ developed.

20 Our environmental reviews considered the
21 impact of the license renewal and any mitigation for
22 those impacts that we consider significant. We also
23 consider the impacts of alternatives to license
24 renewal including the impact of not renewing the
25 license. The staff documents its environmental review

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1 in an Environmental Impact Statement which is made
2 publicly available.

3 Ultimately, the purpose of the staff's
4 environmental review is to determine whether the
5 environmental impacts of license renewal are
6 reasonable and in combination with the safety review,
7 the regional inspections and decisions by the Advisory
8 Committee on Reactor Safeguards to make a
9 recommendation to the Commission whether to recommend
10 to renew the license or not.

11 Next slide.

12 So for a license renewal review, the NRC
13 environmental staff looks at a wide range of impacts.

14 Additionally, we consult with various federal, state,
15 and local officials, some of whom are here tonight,
16 we're happy to see, as well as leaders on tribal
17 nations. We gather pertinent information from these
18 sources and ensure it's considered in our analysis.
19 So some of the examples of the groups that we consult
20 with are the U.S. Fish and Wildlife Service, the
21 Environmental Protection Agency, and that includes the
22 Pennsylvania EPA as well who I'm happy to say is here
23 with us tonight; the Pennsylvania Department of
24 Conservation and Natural Resources, the Pennsylvania
25 Fish and Boat Commission, the State Historic

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1 Preservation Office, and also Displaced Pennsylvania
2 Tribal Nations since you may or may not know there are
3 no tribal nations that exist in Pennsylvania,
4 federally-recognized tribal nations that still live in
5 Pennsylvania. But we do consult with those that have
6 been displaced.

7 Next slide, please.

8 The environmental review begins with a
9 scoping process which we're in the middle of right now
10 which is an assessment of the specific impacts and
11 significant issues that the staff should consider in
12 preparing the Limerick Environmental Impact Statement.

13 Information that we gather from you today and in the
14 next few weeks will be considered and included in the
15 Environmental Impact Statement.

16 We have recognized that some impacts are
17 similar, if not identical, at all nuclear power
18 plants, so to improve efficiency what we've done is to
19 develop a Generic Environmental Impact Statement or
20 GEIS, that addresses a number of impacts that are
21 common to all nuclear power plants. So what I will
22 prepare then with the staff is what we call a
23 Supplemental Environmental Impact Statement that's
24 specific to Limerick. But in addition to those site-
25 specific issues, we also reexamine all the generic

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1 issues for any new and significant information that
2 would change the conclusions in the GEIS, in the
3 Generic Environmental Impact Statement.

4 Next slide, please.

5 So the scoping period started on October
6 26th of this year when the Notice of Intent to prepare
7 an Environmental Impact Statement and conduct scoping
8 was published in the Federal Register. The NRC will
9 accept comments on the scope of the environmental
10 review until October 28th, so that's a few days more
11 than the hearing period which is different. Those are
12 two different dates, okay? So environmental comments
13 will be accepted until October 28th.

14 In general, what we're looking for in
15 those environmental comments is information about
16 environmental impacts from the continued operation of
17 Limerick. You can assist us in this process by
18 telling us, for example, what aspects of your local
19 community we should focus on, what local
20 environmental, social, and economic issues the NRC
21 should examine during our environmental review, what
22 other major projects are in progress or planned in the
23 area and what reasonable alternatives are most
24 appropriate for this region.

25 Those of us in license renewal are at

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1 headquarters. We don't live in your community and
2 while we do have NRC people that do live in your
3 community, we need you to provide those regional
4 environmental impacts to us. That will help us do a
5 thorough and comprehensive review.

6 Those are just some of the examples of the
7 input we're looking for and they represent the kinds
8 of information we seek through the environmental
9 scoping process.

10 Next slide, please.

11 So this slide kind of ties it all
12 together. But I do want to stress if you look at the
13 top, public comments are an important part of the
14 environmental review process. How do we use your
15 comments? All of your comments to us whether provided
16 verbally during this meeting, in a written letter,
17 fax, or email are considered and addressed in our
18 Supplemental Environmental Impact Statement. We
19 respond to each comment as part of the SEIS and the
20 SEIS as well as several other factors shown here in
21 the slide will all contribute to the Commission's
22 decision whether to renew the Limerick license or not.

23 Next slide, please.

24 So how can you submit comments? Well,
25 first of all, those of you who are here and have

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1 filled out the yellow card, you're good to go. We've
2 got the transcriptionist so all of those comments will
3 be accepted as formal comments.

4 Additionally, you can also go on line to
5 regulations.gov and it's a pretty easy process. If
6 you go to regulations.gov you'll see two search boxes.

7 If you put in this docket ID, NRC-2011-0166,
8 sometimes it takes a minute or at least for my
9 computer it takes a minute, you'll get a list of
10 hopefully Limerick-specific Federal Register notices.

11 The top one should be -- it should say Exelon
12 Generation Company, Notice of Intent to Prepare an
13 Environmental Impact Statement and Conduct Scoping
14 Process. And if you look on the right it should say,
15 it should have a link to submit a comment. If you
16 have any problems, my contact information is in here.

17 You can give me a call and I'll walk you through the
18 process.

19 Another alternative is fax. If you fax to
20 this number, you can reference RADB, that's just the
21 branch that collects and formally captures these
22 comments. You can also either reference the docket
23 number, that NRC 2011-0166 number or write Limerick,
24 okay?

25 As I mentioned, the deadline for comments

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1 is October 28th. Next slide, please?

2 You can also submit by mail to this
3 address here and again they collect all the comments,
4 put them into our formal document management system
5 and they will be addressed by the staff.

6 Also, if you happen to be in Washington,
7 D.C. and want to come into NRC headquarters, you can
8 submit written comments in person as well. And you're
9 more than welcome to give me a call so that I can meet
10 you at the gate and help you with that, if you want to
11 come to headquarters.

12 Next slide, please.

13 So these are the environmental review
14 milestones. Again, scoping comments are due October
15 28th. Now this is not the last time that you'll see
16 myself or Rob. What we'll do is we will develop a
17 Draft Supplemental Environmental Impact Statement, as
18 I mentioned. We'll issue that formally, and anybody
19 that filled out a blue card and has an email address,
20 I will send that to you by email. And then we will
21 also have another public meeting where you can provide
22 comments on that Environmental Impact Statement. So
23 we'll be gathering again and that will happen barring
24 any unforeseen problems with this license renewal
25 application, we'll be doing that late August, early

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1 September of 2012, next summer.

2 The final SEIS again, barring any
3 unforeseen problems that the staff identifies should
4 be right around February of 2013. And all of your
5 comments submitted in relation to the draft SEIS are
6 also addressed in the final SEIS.

7 Next slide, please?

8 Here's our, Rob's and my contact
9 information. We are the primary points of contact
10 within the NRC for license renewal issues at Limerick.

11 If it's not a license renewal issue, we'll do our
12 best to get you in contact with the appropriate
13 person.

14 Next slide.

15 Okay, if you don't happen to have a
16 computer, we've also provided a hard copy of the
17 license renewal application at two local libraries,
18 both the Pottstown Regional Public Library and the
19 Royersford Free Public Library have hard copies of the
20 license renewal application. They're pretty big.
21 It's two, four-inch, three-inch binders. So it's a
22 good -- three, three-inch binders. It's a good bit of
23 information. And that's both the safety and the
24 environmental report. I will also put the
25 draft SEIS in those libraries as well.

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1 Additionally, I did bring a bunch of disks
2 that have it on disk if you would like to take the
3 license renewal application. They're in the back of
4 the room as well.

5 And I did want to do one more plug for the
6 blue cards, if you do have an email address and you
7 would like to receive any NRC-generated Limerick
8 documents that would include both license renewal and
9 non-license renewal NRC documents, we have a listserv
10 and if you give me your email address on one of those
11 blue cards, I can sign you up for that.

12 This concludes my presentation and I think
13 we will open it up for questions at this time. I'll
14 turn it back over to Rich Barkley.

15 FACILITATOR BARKLEY: Yes. At this point
16 in time before we move into the comments section, I
17 wanted to see if there were any questions regarding
18 the presentation made by the staff? So if you have a
19 question, raise your hand. I'll take the microphone
20 to you. If not, we'll move into the question and
21 answer period.

22 Okay, let's move into the question and
23 answer period. At this point in time, I have 16
24 people signed up. I was interested in three of the
25 speakers. I had three people from the National

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1 Resources Defense Council signed up, but they were
2 thinking of actually turning their comments in in a
3 written form. So I wanted to see if they're here this
4 afternoon. And since they're not, then I have 13
5 people to go through in the call order.

6 So what I would like to do if we could is
7 have you make your statement from this fixed
8 microphone here in the middle of the hallway and I'd
9 like to lead off with Dr. Lewis Cuthbert, followed by
10 Bill MaGuire, the site vice president for Limerick
11 Station and then followed by State Representative
12 Thomas Quigley.

13 Mr. Cuthbert.

14 MR. CUTHBERT: Good afternoon, members of
15 NRC, elected officials and members of this community,
16 I'd like to read the following statement and then
17 place it on the record in hard copy with some
18 supporting documentation and research summaries, if I
19 may.

20 The Alliance for a Clean Environment has
21 conducted an 11-year investigation of the harms and
22 threats from Limerick Nuclear Power Plant. The body
23 of evidence confirms unprecedented environmental and
24 meltdown threats posed by this plant. One event, one
25 worst case scenario can trigger a catastrophe of

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1 unthinkable proportions. Whether a natural disaster
2 or terrorist attack occurs, by relicensing Limerick,
3 NRC would in effect be placing Russian roulette with
4 the lives of more than eight million people. NRC must
5 close Limerick Nuclear Plant by 2029.

6 There is no way for either NRC or Exelon
7 to ensure the safety of the environment or the
8 residents impacted by this plant. It cannot be made
9 fail safe. No other facility has the potential to
10 render the entire region uninhabitable, possibly for
11 centuries as the result of an accident or terrorist
12 attack. This is the highest-risk facility that could
13 exist in any community in this country.

14 Current 40-year operating licenses expire
15 in 2024 and 2029. Why the rush to renew these
16 licenses now?

17 We urge the NRC to say no to Exelon's
18 requested license renewals. The public was led to
19 believe that Limerick's generators, fuel pools, and
20 miles of underground pipes and cables could operate
21 safely for 40 years and then the facility would close.

22 Is Exelon fearful that the longer they wait the more
23 serious problems may arise?

24 After only 26 of 40 years, numerous signs
25 of aging and risk have been identified. Corrosion,

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1 deterioration, fatigue, cracking, thinning with loss
2 of material, loss of fracture toughness are all
3 documented in Exelon's own renewal application in the
4 aging management section. Instances of equipment
5 fatigue and cracking of vital equipment include the
6 reactor vessel and coolant system.

7 Aging equipment, after only 26 years
8 suggests that NRC should not just close the plant by
9 2029, but also ramp up their oversight vigilance
10 during the remaining 18 years of the current license.

11 In the past few years, Limerick has had numerous
12 unplanned shutdowns suggesting there are already
13 significant problems. Three occurred in one week in
14 June 2011. Loss of coolant leaks and accidents at
15 Limerick have already been documented. Serious
16 radioactive contamination could go undetected and
17 unreported for years from the corroding
18 infrastructure, much of it underground.

19 There have already been two near misses at
20 Limerick from 1996 to 2001.

21 This aging plant is an accident waiting to
22 happen. Large volumes, more than 6,000 assemblies
23 weighing more than a thousand tons of highly
24 radioactive waste in the form of spent fuel rods are
25 stored in densely-packed pools, elevated five stories

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1 above and outside the reinforced containment
2 structure. This plant will produce about two more
3 tons of dangerous spent fuel rods every year that it
4 operates. Limerick, in addition, is now third on the
5 earthquake risk list for nuclear plants in the United
6 States.

7 With loss of cooling water, Limerick's
8 fuel rods could heat up, self ignite, and burn in an
9 unstoppable fire with catastrophic results. Exelon
10 has not been required to spend the money to guard
11 Limerick against terrorists, missiles, or air strikes
12 despite repeated requests to do so.

13 Dry cask storage and transport are also
14 very dangerous alternatives. It's time to close
15 Limerick and stop producing such deadly waste for
16 which there is no safe solution. As long as Limerick
17 operates harms to us and our environment will
18 increase.

19 Their harmful environmental impacts are
20 unprecedented. At the conclusion of our 11-year
21 investigation of routine radiation releases and review
22 of permits for major air pollution and a variety of
23 dangerous water contamination issues, it's clear that
24 this energy is not just dirty, it is in fact filthy.
25 Evidence that we've compiled has addressed a wide

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1 range of topics: routine radiation releases into the
2 air, radioactive wastewater discharges into the
3 Schuylkill River, radioactive groundwater
4 contamination, radioactive nuclides associated with
5 the plant detected in our soil, our sediment, our
6 vegetation, our fish, our water, and milk.

7 Research has confirmed radiation in our
8 children's baby teeth in this community. Major air
9 pollution issues under health-based standards of the
10 Clean Air Act, 32 individual sources listed. Drastic,
11 harmful increases permitted in particulate matter
12 known also as PM-10 from the cooling towers, other air
13 pollution increases also permitted.

14 Dangerous depletion of the Schuylkill
15 River, in and by itself, a singular reason to deny
16 this permit. The Schuylkill is a vital drinking water
17 source for nearly two million people from Pottstown to
18 Philadelphia. It is being depleted and contaminated
19 every day that this plant operates.

20 Alarming cancer increases that have been
21 well documented in this community repeatedly far
22 higher than national and state averages after Limerick
23 started operating until the late 1990s. The
24 findings of our investigation lead us to conclude that
25 this plant is in common language a recipe for

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1 disaster.

2 While NRC is required to prepare a
3 supplement to the Limerick Environmental Impact
4 Statement for license renewal, we have little
5 confidence in the process based on NRC's regulatory
6 history. It would be difficult to enumerate a short
7 list, so I'm going to rely on written documents.
8 There are critics of the NRC out there who have done a
9 much better job than we have of generating such a
10 list, most notably a scathing indictment by the
11 Associated Press. I'm not going to re-enumerate that
12 information.

13 It's long past time for the NRC to summon
14 the courage to do the right thing in our judgment and
15 actually protect the environment and the public,
16 rather than the industry.

17 Today, I am going to be submitting on the
18 record summary packets of our research on Limerick's
19 major air pollution, harms to the Schuylkill River,
20 radioactive groundwater contamination, links between
21 Limerick's radiation and our elevated cancers in this
22 community and how Limerick's nuclear power can, in
23 fact, be replaced with safer sources today.

24 Based on the compelling body of evidence
25 of environmental harms to date and the enormous

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1 increased population in proximity to this facility,
2 Limerick Nuclear Plant must be closed by 2029.

3 There is no amount of energy production that is
4 worth risking the lives of so many people. Thank you
5 very much.

6 (Applause.)

7 FACILITATOR BARKLEY: Thank you, sir.

8 MR. MAGUIRE: Good afternoon. My name is
9 Bill Maguire and I am the site vice president at
10 Limerick Generating Station. And I have overall
11 responsibility for the safe and reliable operation of
12 the facility.

13 I have been working in the nuclear power
14 industry for 25 years and my career began at the
15 Limerick Generating Station as an engineer. I
16 continued with a license to be a licensed senior
17 reactor operator supervisor in the operations
18 organization and was the on-shift senior manager of
19 that facility for many years.

20 I have also worked at a few other nuclear
21 stations across the country and before rejoining
22 Limerick as the site vice president in May of 2010, I
23 was the site vice president at the Peach Bottom Atomic
24 Power Station in southeastern Pennsylvania in York
25 County.

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1 Operating Limerick Generating Station
2 safely and reliably is a responsibility that everyone
3 at the power station takes very seriously. We
4 understand our obligation to the community, to the
5 environment, and to each other to operate the plant
6 safely.

7 A key component of a thriving community
8 like ours is the availability of safe, clean, and
9 reliable electricity. And as we look into the future
10 for the power needs of Pennsylvania and the United
11 States as a whole, we can see the increasing demand
12 for this very important resource.

13 At the same time, there's a growing
14 concern about greenhouse gases and climate change that
15 is a result of burning fossil fuels. To help meet
16 that growing power demand and to help keep our
17 environment clean, Exelon has applied to the U.S.
18 Nuclear Regulatory Commission for a 20-year extension
19 to the plant's operating license. Limerick's current
20 license for Unit 1 will expire in 2024 and Unit 2 in
21 2029. With license renewal, Limerick can provide our
22 region with clean power through 2049.

23 We understand our special obligation to
24 operate the plant safely and reliably and to maintain
25 a close relationship with our neighbors. We pledge to

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1 continue that special trust as we operate the plant
2 well into the future.

3 The 104 nuclear reactors in the United
4 States provide roughly 20 percent of our nation's
5 electricity. More than 70 reactors nationwide have
6 already received approval from the Nuclear Regulatory
7 Commission for a 20-year license extension including
8 the Peach Bottom Atomic Power Station in York County.

9 Limerick Generating Station operates in a
10 manner that preserves the environment. The plant
11 produces almost no greenhouse gases. The plant
12 conducts approximately 1700 tests annually on air,
13 water, fish, soil, cow's milk, and other food products
14 to measure for environmental impact. We also maintain
15 a chain of radiation monitors surrounding the plant.

16 In 2005, the environmental management
17 systems at Limerick Generating Station achieved
18 certification under the strict criterion of the
19 International Organization for Standardization, ISO.
20 This certification is known as ISO 14001, a common
21 industry reference for the environmental
22 certification. The ISO 14001 certification requires a
23 commitment to excellence to prevent pollution and to
24 ensure continuous improvement in environmental areas.

25 In 2010, the Wildlife Habitat Council

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1 recognized Limerick Generating Station's commitment to
2 environmental stewardship by awarding us the Wildlife
3 at Work Certification. This distinction was awarded
4 to Limerick Generating Station for our commitment
5 towards establishing long-term wildlife habitat
6 enhancements that provided undisturbed habitats with
7 food, water, cover, and space for animal species
8 living on the plant station's landscape.

9 To ensure Limerick continues to operate
10 safely for years to come, Exelon is investing in
11 upgrades to plant equipment. Since 2010, Exelon has
12 invested more than \$200 million into the plant
13 including installation of new safety equipment, new
14 electrical cables, new valves, and refurbishing the
15 cooling towers. In addition, Limerick has made more
16 than \$40 million in physical security upgrades since
17 2001.

18 Our investment in the future does not stop
19 with equipment. We have hired and trained over 100
20 new employees over the last three years, mostly coming
21 from our native region here. We maintain a steady
22 workforce of approximately 850 people and during our
23 annual maintenance and refueling outages, we bring in
24 between 1500 and 2000 temporary workers that provide a
25 boost to our local economy. Hiring and

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1 retaining top talent is a key priority for Limerick
2 Generating Station.

3 Over the past 25 years, Limerick has been
4 one of the best performing and most reliable
5 generating stations in the nuclear power industry.
6 During that time, the plant has set several records
7 for continuous days of operation and has been
8 recognized by the industry for our reliable operation.

9 In March 2010, Limerick completed a successful run of
10 727 continuous days for our Unit 1 plant. This
11 represented the second longest continuous run for a
12 boiling water reactor in the United States.

13 While we do not set out to break records,
14 continuous operations are an indicator of the
15 excellent human performance and equipment reliability
16 that Limerick strikes for every day.

17 We also take pride in our investments in
18 the community. In 2010, Limerick donated more than
19 \$600,000 to the community in contributions to the
20 United Way, fire and ambulance companies, educational
21 health and youth organizations. And many of our
22 employees serve as volunteers in the local communities
23 around the plant.

24 In conclusion, Limerick Generating Station
25 looks forward to working with the Nuclear Regulatory

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1 Commission as you review our license renewal. I
2 appreciate the opportunity to speak with you this
3 afternoon. Thank you.

4 FACILITATOR BARKLEY: Thanks, Bill.

5 (Applause.)

6 FACILITATOR BARKLEY: Representative
7 Quigley.

8 REP. QUIGLEY: Good afternoon, my name is
9 State Representative Tom Quigley. I represent the
10 146th District here of which lower Pottsville is a
11 party of that district, so I want to welcome the NRC
12 here today to the beautiful Sunnybrook Ballroom for
13 this meeting and thank them for coming out to listen
14 to the public and take commentary.

15 I'm here today to voice my strong support
16 for the relicensing of the Limerick Generating
17 Station. I wanted to touch on a couple points of why
18 I feel it is important for this facility to be
19 relicensed.

20 First is the amount of electricity that is
21 produced by this facility. One of the things that
22 myself and my colleagues in Harrisburg hear
23 consistently from businesses and the Commonwealth and
24 our citizens is the demand for energy and electricity
25 now and more importantly what that demand is going to

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1 be in the future.

2 Right now this facility generates enough
3 electricity for two millions homes and without
4 producing some of the greenhouse gases that we hear so
5 much about that could be produced by coal, natural
6 gas, or oil. And I'm going to put a caveat in there
7 for my good friends out in the western part of the
8 state where coal is a big part of the Pennsylvania
9 economy and I'm suggesting that this be done to the
10 exclusion of coal and nevertheless, some of the
11 technologies that they're developing out there are
12 also important for that industry and important for the
13 Commonwealth of Pennsylvania.

14 Again, one of the concerns we hear
15 consistently from businesses is how can we come here
16 into Pennsylvania with the infrastructure being what
17 it is which needs to be improved for the transmission
18 of the electricity, but more importantly the
19 generation of that electricity?

20 Number two, I think is important is the
21 jobs and overall economy. Again, in these tough
22 economic times that we're facing here in the
23 Commonwealth of Pennsylvania and also in this nation,
24 one of the top issues that we hear consistently about
25 is jobs.

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1 And as was mentioned by the site vice
2 president, over 860 people are employed here with an
3 annual payroll of \$75 million. The direct impact that
4 is to the Commonwealth of Pennsylvania, of course, is
5 realized through the state income tax and also all of
6 these local municipalities most of them enact an
7 earned income tax which again sustains their townships
8 as well as their respective school districts. To have
9 that taken away I think would have an even more
10 dramatic impact on our local economy.

11 As was mentioned the impact for the local
12 area here, the temporary workers who show up here
13 during the outages and the refueling, there's already
14 been two hotels that have sprung up along the 422
15 corridor with another one planned right up here at the
16 Sanatoga area. Again, more jobs and more economic
17 growth here for our communities.

18 Thirdly, I want to talk about the
19 communication that I've experienced in the seven years
20 that I've been in office with Exelon and with their
21 Government Affairs people as well as with their site
22 people. I've been on the site three times, twice for
23 a tour and one to make a presentation during an
24 anniversary of the facility. And I have to say that
25 it is a very secure area. I know a lot of people are

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1 concerned about terrorism attacks or people being on
2 the property. But unless you've actually gone over
3 there and gone through a tour, seeing how things are
4 set up, seeing the armed guards there, seeing the
5 security measures that are in place, I think you come
6 away much more relieved with that. And I'm able to
7 speak to my constituents more affirmatively about the
8 safety and security of the facility.

9 Any time that there's been the slightest
10 occurrence there, whether it will be a couple times a
11 hunter has wandered onto the property where the
12 authorities were called, the Government Affairs people
13 at Exelon are on the phone to me or with an email
14 right away to let me know what's happening before the
15 word gets out to the media or to the press. So
16 they're always very well prepared in their
17 explanations, not only of things that happen at the
18 plant itself, but also incidents and issues that occur
19 around the country and around the world.

20 Obviously, what took place in Japan with
21 the incident over there, they were on the phone with
22 me and met with me a few times to explain what took
23 place over there and how the safeguards are being put
24 in place here so that doesn't happen at this facility.

25 It was mentioned earlier the dry cask

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1 storage where the spent fuel rods are now stored
2 outside in a dry cask storage facility. When that was
3 proposed back in 2005-2006, the Generating Station
4 held two open houses that were very well attended. I
5 went to both of them where they had people on there to
6 explain to the people what exactly was taking place
7 with this dry cask storage, why it was necessary. A
8 lot of questions and answers back and forth and I
9 think a lot of the people came away better informed
10 about that process.

11 Just recently at an open house, the site
12 VP who just spoke, Bill Maguire, came out to give some
13 initial comments and wound up spending the full hour
14 in an impromptu question and answer session and not
15 again just planted questions, a lot of tough
16 questions. And I think again the people came away
17 feeling confident in the openness and the transparency
18 that was displayed in that question and answer
19 session.

20 Another point of that is for relicensing
21 for the overall environment here is the good corporate
22 citizenship that the Generating Station has exhibited.
23 As was mentioned by Bill, some of the charitable
24 contributions that have gone on, not only for the host
25 community of Limerick, but also for the surrounding

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1 areas. I attended a few dedication services where
2 they provided money to the Upper Providence Elementary
3 School and the Limerick Elementary School for an
4 outside environmental classroom.

5 One of the things we talk about as
6 political leaders, and I'm on the House Education
7 Committee, is the need for our children to be educated
8 particularly in the sciences and given these budget
9 constraints that we're operating under, both the
10 school districts and the Commonwealth, it's good to
11 see a corporate citizen stepping up to the plate and
12 providing that financial support, particularly in the
13 area of science. They've also partnered with the
14 Montgomery County Community College to provide
15 assistance in support for an associate degree in
16 nuclear engineering technology.

17 Again, we hear so much about our students
18 here not being well versed in technology and
19 engineering and things of that nature. So again,
20 stepping up to the plate to provide that assistance
21 when, in fact, perhaps in these tough budget times
22 where the government might not be able to do that.

23 Last, I want to talk about overall public
24 opinion and safety issues. One of the things that I
25 looked at when I talk about safety and the feeling of

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1 comfort that people have here is how many of the
2 people who work at that plant live within the ten-mile
3 radius of the facility? And I asked that question
4 when I first was elected in 2004 and I just asked it
5 again in preparation for this hearing and 563
6 employees live within the ten-mile radius.

7 The population growth in my District in
8 the past ten years, we're getting ready to redraw our
9 lines based on the 2010 Census, so I broke it down by
10 township as to how much the population has increased
11 in those areas: Limerick Township, increasing by 33.5
12 percent; Upper Pottsgrove by 29.5; Royersford Borough,
13 where I live, 11.9; Lower Pottsgrove, 7; Pottstown, 2;
14 now this is a little bit skewed, but I have a small
15 piece of New Hanover Township which actually increased
16 by 54 percent.

17 When you look at the public opinion, and
18 again, we get calls on a lot of different issues and
19 as I mentioned that dry cask storage issue. Back
20 then, at the same time that that issue was being
21 rolled out to the public, Boyd Gaming had purchased a
22 property next to our plant was getting ready to apply
23 -- had applied for a license, casino license. At that
24 time, my office had received 2 calls in regard to the
25 dry cask storage project, over 200 calls regarding the

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1 casino application. So at the time, it appeared
2 people were more concerned about the prospect of a
3 casino being in their neighborhood than they were a
4 dry cask storage facility.

5 And lastly, as some of you heard, there is
6 a proposal right now to put a hold on Route 422. And
7 again, in the past six months with the incidents in
8 Japan, with the current earthquake we had here, with
9 the AP story telling you how these plants are all
10 falling apart, I received two calls regarding that one
11 where they could get the KI pills, one where they
12 could -- what was the evacuation plan for that, and
13 more calls and emails regarding the proposed 422. So
14 again, it appears that the constituents and the 146th,
15 they're more concerned about the prospect of paying a
16 toll to ride of 422 than they are about the nuclear
17 power plant issues.

18 So again, I strongly support the
19 relicensing of this for the reasons I mentioned.
20 Thank you.

21 (Applause.)

22 FACILITATOR BARKLEY: Thank you,
23 Representative Quigley.

24 The next three people I'd like to call,
25 first is Lorraine Ruppe, private citizen; and the

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1 next, Michael Gallagher of Exelon; and finally, I'd
2 like to call Dr. Fred Winter after that.

3 MS. RUPPE: Hi, my name is Lorraine Ruppe.

4 I am speaking here today to represent the children
5 and future generations, especially in our community.
6 Residents are fearful about the possibility of
7 disasters here in light of Fukushima in March 2011 and
8 since the earthquake and Hurricane Irene in August
9 2011 affecting our area. Climate changes, etcetera,
10 are causing disasters everywhere and continuing to get
11 worse.

12 Increasing floods, droughts, earthquakes,
13 tornados have made us all feel insecure, making
14 nuclear power increasingly risky, especially with the
15 Limerick plant basically in our backyards. Any
16 earthquake that comes through this area could be a
17 possible Fukushima, Chernobyl or Three Mile Island
18 which reminds me, four months have passed since the
19 NRC failed to get back to me when I asked how close
20 the Remapo fault line is to the Limerick nuclear
21 reactors? Maybe I can get an answer today.

22 Indian Point nuke plant was sketched as a
23 possible terrorist target in reference to 9/11
24 attacks. A suspected terrorist worked at Limerick for
25 years without the industry knowing it. How scary is

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1 that?

2 The Pacific Ocean is now severely
3 irradiated by Fukushima. Radiation impacts of
4 Fukushima equalled over 20 Hiroshima bombs when I last
5 researched. Our drinking and bathing water here is
6 being continuously polluted by Limerick every day,
7 24/7 for years with radiation and unfiltered toxic
8 contaminated mine water, thanks to the NRC and Exelon.
9 This is disgusting.

10 Most of us have to depend on the water,
11 especially for bathing. Some of us pay extra for
12 water filtration or drink bottled water because we are
13 afraid to drink from the Schuylkill and because it
14 tastes really bad now. Imagine how toxic it would be
15 18 plus years from now if there was even any water
16 left.

17 There has been increased particulate
18 matter in the air and other toxics from Limerick
19 causing increased asthma, heart attacks, and strokes.

20 And to add insult to injury, Limerick was granted a
21 permit to allow an eight-fold increase in air
22 pollution since 2009. Cancer rates in our area have
23 skyrocketed since Limerick has been up and running in
24 the '80s and rates have steadily increased.

25 The Toothfairy Project showed high levels

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1 of strontium 90, a radionuclide in baby teeth of
2 children nearest to nuke plants. Baby teeth near
3 Limerick plant had the highest levels in the whole
4 United States. This stuff and God knows what else is
5 in our bodies now thanks to a Nuclear Regulatory
6 Commission that to put it nicely is less than
7 enthusiastic about protecting us.

8 Solar wind, geothermal, ocean thermal,
9 energy conservation and efficiency are now cheaper
10 than nuclear power, along with being truly clean and
11 safe. The Department of Energy 2006 report stated
12 solar alone could provide 55 times our entire nation's
13 energy needs which leads me to a point, there have
14 been numerous studies proving the many dangerous and
15 deadly consequences of nuclear power. There's no
16 denying the massive devastation it has already caused
17 and will continue to cause indefinitely, but the
18 industry still goes on in their trance-like,
19 indifferent fashion as if everything is safe and
20 wonderful and will continue to be 18 plus years from
21 now or until 2049 for our community. This is what
22 really scares us the most.

23 The NRC has turned into a culture of
24 secrecy, hiding the dangers and sweeping the problems
25 under the rug. The industry's addiction to money and

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1 power has blinded them to moral life and death issues
2 and facts set right in front of their faces. But my
3 big question of the day is why is Exelon applying for
4 an extension 18 years ahead of time? Thank you.

5 (Applause.)

6 FACILITATOR BARKLEY: Thank you, Lorraine.
7 Mike?

8 MR. GALLAGHER: Good afternoon. My name
9 is Mike Gallagher and I'm the Vice President of
10 License Renewal for Exelon. I have overall
11 responsibility for the Limerick Generating Station
12 license renewal application.

13 Exelon has a great deal of experience with
14 license renewal, as we have already obtained the
15 renewed licenses for our Peach Bottom and our TMI
16 plants in Pennsylvania, our Oyster Creek plant in New
17 Jersey, and our Dresden and Quad Cities plants in
18 Illinois.

19 Just briefly about myself. I've been
20 working in the nuclear power industry for 30 years. I
21 was a licensed senior operator and plant manager at
22 Limerick and I worked at two other nuclear plants and
23 our corporate offices.

24 Mr. Maguire, the site vice president for
25 Limerick spoke about reasons for renewing the license

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1 for Limerick. I'd like to speak briefly about the
2 process for preparing this license renewal application
3 and the amount of work and engineering analysis that
4 was put into preparing the application.

5 Because the license Generating Station can
6 be operated safely and reliably, Exelon decided to
7 pursue license renewal for Limerick. Limerick is a
8 very clean energy source which produces no greenhouse
9 gas emissions. Limerick is also good for the economy
10 in that it lowers market prices on electricity for the
11 citizens of Pennsylvania to the tune of \$880 million
12 per year.

13 So in 2009, we announced our intention to
14 seek license renewal for Limerick. Later that year,
15 we started the work necessary to prepare the
16 application. After over two years of work, we
17 submitted the application to the Nuclear Regulatory
18 Commission on June 22, 2011. The application, as Lisa
19 had mentioned, when you print it out it's about 2100
20 pages. And when you put it in the binders it's three
21 large binders. It's a huge amount of information.
22 But that only represents a small part of the work that
23 was done for the engineering analysis to prepare this
24 application.

25 The total amount of engineering analysis,

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1 if we printed it all out would be about 290 binders of
2 information. We invested over 60,000 manhours of
3 engineering work. Once we completed our engineering
4 work to prepare the application, we brought in experts
5 from outside Exelon to review the application to
6 ensure that it was complete, thorough and accurate.
7 Our total cost to prepare the application and get this
8 application reviewed by the NRC will be about \$30
9 million.

10 There are two different parts of our
11 application, the safety review and the environmental
12 review. For the safety review, we took an in-depth
13 look at the history and the condition of the safety
14 equipment in the plant. We did that to determine
15 whether the necessary maintenance was being performed
16 on that equipment and to make sure that the equipment
17 will be able to operate when it's needed, not only for
18 today, but also for an additional 20 years of
19 operation.

20 When you look back at Limerick, when it
21 was built, all the equipment was new. It was
22 thoroughly tested to make sure it would perform
23 properly, but like anything else equipment does age.
24 That doesn't mean it won't work, but it does age and
25 certain activities need to be done to the equipment.

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1 So we perform preventive maintenance. Sometimes we
2 refurbish the equipment. Some equipment is replaced.

3 There may be modifications done to upgrade the
4 equipment in the plant and in fact, as Bill Maguire
5 has stated, Limerick had spent over \$200 million in
6 the last couple years alone to improve and modernize
7 the equipment and enhance plant operations and safety.

8 We also then reviewed calculations that
9 were performed as part of the original design of the
10 plant that were done to ensure that the plant could
11 operate safely for 40 years. We analyzed those
12 calculations and were able to confirm that the plant
13 would be able to operate safely for 60 years.
14 Overall, our conclusion from our engineering review
15 was that Limerick could operate safely for up to 60
16 years.

17 We also took a look at the environmental
18 impacts of continuing to operate Limerick. We looked
19 at all the impacts of continued impact of the plant on
20 the environment. Our conclusion is that impacts on
21 the environment are small and I use the term small in
22 the sense that is in the regulation. The regulation
23 defines small as environmental effects are not
24 detectable or are minor.

25 We also reviewed the alternatives if

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1 Limerick would not have its license renewed and
2 another source of electric generation would need to be
3 installed either here on site or someplace else to
4 generate the replacement electricity. We concluded
5 that any other means of generating the replacement
6 electricity would have more of an impact on the
7 environment than continued operation of Limerick. For
8 instance, if Limerick could be replaced by a wind
9 generation facility, the wind farm would have to
10 occupy between 10 and 40 percent of all the land in
11 the state of Delaware and that would have a huge
12 impact on the land. If a solar facility could replace
13 Limerick, it would need to cover 32 to 50 percent of
14 the entire land area of Montgomery County.

15 In conclusion, we operate Limerick safely
16 and we can continue to operate it safely for an
17 additional 20 years. Limerick will provide
18 approximately 2340 megawatts of base-load generation
19 that's not only safe, but it's clean, reliable and
20 economical.

21 Continued operation of Limerick will
22 benefit this community, the Commonwealth of
23 Pennsylvania and our nation. Thanks for giving me the
24 time for this. Thank you.

25 (Applause.)

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1 FACILITATOR BARKLEY: Thank you, Mike.
2 Dr. Winter?

3 DR. WINTER: Good afternoon. Thanks for
4 letting me speak. We have heard a lot of pros and
5 cons, haven't we? And it's hard to make a decision
6 that's for sure. But let me get going here.

7 As a physician practicing radiology for
8 over 50 years, I still have strong concern about
9 cancer sensitivities from harmful radiation exposures,
10 naturally. My medical colleagues share the same
11 concerns because we have seen our cancer rates
12 increase since the Limerick power plant started,
13 especially thyroid cancer. It jumped to 78 percent
14 higher here than the national average. And some of
15 the people I talked to, this is because people are
16 aging more now, getting older, so there are more
17 cancers. But that's not true because in other areas
18 similar to our area in Pottstown, they're not nearly
19 getting the thyroid cancers that we are. This has
20 been well established by the state.

21 You wonder why some of our medical and
22 cancer fundraisers haven't reacted with more
23 responsibility in order to stop this. They're making
24 a lot of money, but not taking much effort to prevent
25 environmental damage.

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1 Yes, we are creating our own form of
2 terrorism. Now that sounds kind of funny, doesn't it?

3 But allowing any harmful environmental events to
4 occur, we are allowing our own form of terrorism, just
5 like foreign people would come in here.

6 Having attended a Hiroshima, Japan atom
7 bomb clinic right after World War II, naturally I had
8 a chance to see the worst results of harmful
9 radiation. All those little kids I saw who only lived
10 for a few days, it left me with a very sad memory. Of
11 course, what is happening here will be taking much
12 longer, but it sure is not good.

13 I don't know whether you've heard that
14 some scientists are already predicting that -- I'm
15 sorry to tell you this, but nuclear energy has the
16 capacity of destroying mankind. It may take about 100
17 years, but our whole world is exposed to the harmful
18 effects, maybe not so much here in the United States,
19 but the whole world can be affected.

20 Of course, what is happening here will be
21 taking much longer, but it is sure not good news.
22 Besides harmful power plant exposures, we have
23 environmental disasters and a concern about our nearby
24 earthquake fault and others in the eastern U.S.,
25 especially one near New York City. And then there are

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1 the radioactive spent fuel deadly waste material
2 sitting around, supposedly protected. We can't
3 control the use of nuclear power in the rest of the
4 world, but can keep America safer and cleaner here.

5 So please, ask your politicians, reliable
6 politicians to close the Limerick power plant. Let's
7 save America for our kids and descendants. I hope you
8 will take my concerns seriously. And thank you for
9 listening.

10 (Applause.)

11 FACILITATOR BARKLEY: Okay, thank you, Dr.
12 Winter. The next three people I'd like to call is Tom
13 Neafcy of Limerick Township, followed by Dr. Anita
14 Baly, and then Tim Fenchel of the Schuylkill River
15 Heritage Foundation.

16 MR. NEAFCY: Good afternoon, thank you.
17 My name is Tom Neafcy. I'm the Chairman of Limerick
18 Township Board of Supervisors and I want to thank you
19 for this opportunity to speak at this forum today.

20 As the largest private employer in the
21 region, the Board is thankful for the 860 jobs that
22 Exelon provides, the positive impact of their
23 operation, the vitality of our local community. The
24 community and local economy are enhanced by the needed
25 services provided by the township, which includes the

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1 roadway network maintained by our Limerick Township
2 Public Works, public safety provided by the Limerick
3 and Linfield Fire Companies, and our local emergency
4 medical response, our public parks, our recreation
5 facilities and also the police protection that's
6 provided by Limerick's 21 sworn officers.

7 Because of Limerick Generating Station's
8 location within our borders, the Limerick Township
9 Police Department is the only municipal police
10 department in Pennsylvania with the primary
11 jurisdiction over Tier 1 critical infrastructure.
12 This Board prides itself on the services provided
13 directly both to the residents and the businesses of
14 this community and the township's ability to maintain
15 those current levels of service during these difficult
16 economic downturns. We are thankful for the
17 generosity of the Limerick generating plant and Exelon
18 for being good corporate neighbors and the assistance
19 they provide to the community. Without their
20 financial assistance that impact to provide those
21 services to the community would fall squarely on the
22 backs of the taxpayers. They assist in our fire
23 companies. They have been corporate sponsors of our
24 Limerick Community Days. And we are confident that
25 Limerick generating facility and Exelon will continue

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1 that support in the future and be our good corporate
2 neighbor.

3 We also are in support of the relicensing
4 of the Limerick nuclear plant. Thank you.

5 (Applause.)

6 FACILITATOR BARKLEY: Dr. Baly?

7 DR. BALY: Good afternoon. I'm Anita
8 Baly. I'm a retired Lutheran pastor and my concern
9 today is with the speed at which this application
10 process is going. I mean it seems to me that to
11 predict what environmental factors will be in place 13
12 years hence and 18 years hence, posits a kind of
13 omniscience and prescience that we should attribute to
14 Almighty God, but certainly not to any of us human
15 beings.

16 I would favor a slower process. As we
17 look around, we see that the population in this area
18 is getting denser all the time. The roads are not
19 being improved. And that leaves me with concerns
20 about how we would effect an evacuation were one
21 needed. I suspect strongly that we couldn't perform a
22 good evacuation today. And I also suspect that the
23 population will be increasing and the roads
24 deteriorating. In fact, just this morning in the
25 Pottstown Mercury, they were reporting on the hearing

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1 that was held on Route 422 which is our main road
2 around here. And Barry Seymour is quoted, he's the
3 Executive Director of the Delaware River Valley
4 Regional Planning Commission, and he told last week's
5 forum audience that population projections anticipate
6 a 50 percent increase in the region and if we don't
7 increase capacity on 422, we will have virtual
8 gridlock all the way to the Berks County line.

9 Maybe we'll improve that situation, but
10 it's way too early to know if that will happen. And
11 so my plea and my concern is can we slow this down so
12 that we know, in fact, what the environmental impacts
13 are going to be closer to a time that the decision is
14 made. Thank you.

15 (Applause.)

16 FACILITATOR BARKLEY: Thank you. Tim?

17 MR. FENCHEL: Good afternoon. My name is
18 Tim Fenchel and I'm on the staff of the Schuylkill
19 River National and State Heritage Area. We are one of
20 49 congressionally-designated Heritage Areas in the
21 country and our mission is to use recreation,
22 conservation, education, cultural and historic
23 preservation and tourism as tools for community
24 revitalization and economic development with the
25 Schuylkill River Valley.

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1 The Heritage Area has had the opportunity
2 for almost seven years now to partner with Exelon
3 Nuclear and the Limerick Generating Station on several
4 local and regional projects and programs. These
5 programs have proven to have a positive impact on our
6 local communities, residents, and natural resources.
7 And I would like to take a few moments to highlight
8 those now.

9 In 2005, Exelon Nuclear approached us
10 about the possibility of partnering together on a
11 grant program that would work to restore our area's
12 critical natural resource, the Schuylkill River. The
13 river has been detrimentally impacted by hundreds of
14 years of abuse and neglect, primarily as a result of
15 our nation's history related to the Industrial
16 Revolution. But even more recently, due to
17 deforestation, farming practices, and continued open
18 space development.

19 Beginning in 2006, after the creation of
20 grant program guidelines, an advisory committee and a
21 necessary accounting and reporting structures, Exelon
22 began making annual contributions to the Schuylkill
23 River Restoration Fund. The Schuylkill River Heritage
24 Area acts as the administrator and the manager of this
25 grant program, redistributing Exelon's contributions

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1 to local and regional watershed groups, conservation
2 organizations, and local government agencies for
3 projects addressing the quality and quantity of
4 Schuylkill River water. Projects focusing on
5 agricultural remediation, abandoned mine drainage, and
6 stormwater runoff are supported through this program.

7 To date, Exelon has contributed over \$1.2
8 million to the restoration fund for watershed-wide
9 projects. Twenty-two grants have been awarded and 11
10 projects have been completed. These projects have
11 made an impact on the water quality and quantity of
12 the Schuylkill River which is a source of drinking
13 water for over 1.75 million people in southeastern
14 Pennsylvania.

15 Exelon's establishment and contribution to
16 the restoration fund has been a model program and is
17 now a uniquely valued public/private partnership as
18 several new partners have joined efforts and made
19 their own contributions to the fund. Both the
20 Philadelphia Water Department and the Partnership for
21 the Delaware Estuary have brought funding to the
22 program and supported regional watershed projects.
23 The contributions made by Exelon have been the
24 catalyst to leverage additional funds well over
25 \$600,000 for area restoration.

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1 The goal of the Restoration Fund Advisory
2 Committee is to be able to support a sustainable level
3 of half a million dollars annually for the fund and in
4 turn, conservation projects that will continue to
5 ensure the future health of the Schuylkill River.

6 In addition to our work on the restoration
7 fund, we have assisted Exelon Nuclear, East Coventry
8 Township, and Chester County in a planning effort to
9 begin the process of restoration and preservation of
10 the historic Fricks Locks Village. Earlier this year,
11 Exelon Nuclear, the current owners of the village,
12 signed an agreement with East Coventry Township to
13 stabilize, rehabilitate, and protect several of
14 Chester County's oldest buildings. Exelon has agreed
15 to spend \$2.5 million to restore the exterior of
16 several buildings as stabilized ruins. A fence will
17 be built around the grounds and the corporation is
18 donating four houses to the township worth an
19 estimated \$1 million.

20 In addition, the corporation has agreed to
21 continue to do routine maintenance on the village and
22 work with the local historical society to host guided,
23 historic and educational tours for the public.

24 From our perspective, much of the success
25 of this partnership can be assigned to the hard work,

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1 dedication and personal commitment of Exelon staff and
2 management. Based on the very positive community
3 programs and involvement we have experienced and
4 witnessed first hand as a regional organization, we
5 would like to communicate our support for the
6 relicensing and continued operation of Limerick
7 Generating Station. Thank you.

8 (Applause.)

9 FACILITATOR BARKLEY: Okay, thank you.
10 The next three people I would like to call, Bill
11 Vogel, followed by Eileen Dautrich, is that how you
12 say that?

13 MS. DAUTRICH: Dautrich.

14 FACILITATOR BARKLEY: Dautrich. Okay.
15 And then Bill Albany.

16 MR. VOGEL: Hi, my name is Bill Vogel. I
17 live in Phoenixville. Units 1 and 2 had an initial
18 life expectancy of 40 years. They are now asking to
19 increase that 20 years, a full one third increase.
20 Everything has a life expectancy, machinery, as well
21 as people. Demographically, my life expectancy is 74.
22 If I was to get a one third extension, like the
23 Limerick plant wants, that would take me to 111. What
24 do you think is going to happen to me between age 74,
25 my life span, my nameplate capacity, and the year when

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1 I reach 111? It's going to go down hill. That's
2 lifecycle. Machinery has them. You don't need an
3 engineer to tell you that. Just like human beings
4 have them. We become less effective, less efficient,
5 less competent.

6 The significant difference is my failure
7 will be containable. Limerick's most likely will not.

8 If I drive over you with my car because I no longer
9 see as well or have the reflexes I once had, that's a
10 tragedy for you, your family, for me and my family.
11 The sphere of the tragedy is containable. If Limerick
12 Unit 1 or 2 fails, all hell breaks loose, no
13 disrespect. That's what a nuclear failure is, hell.
14 It affects everybody in this room, everybody in the
15 community, everybody in the tri-state area, not for a
16 week, but for decades. It's very, very last thing we
17 want to happen.

18 And I think we're putting ourselves in
19 harm's way by taking something that had a lifespan of
20 40 years and adding another 20 to it. It doesn't make
21 sense. The only way to rationalize it is through our
22 personal fear of being inconvenienced because we lose
23 a very, very good source of power. It's done a great
24 job for us. But like me, you get to a point where
25 your ability to provide a great job is at an end and

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1 things start deteriorating. Let's not put ourselves
2 in that position. Let's make an intelligent decision
3 now and allow these two units to expire at their
4 nameplate time. Thank you.

5 (Applause.)

6 FACILITATOR BARKLEY: Thank you, Bill.
7 Eileen.

8 MS. DAUTRICH: Good afternoon. My name is
9 Eileen Dautrich. I'm president of the Tri-County Area
10 Chamber of Commerce. I'm happy to be here today to
11 provide examples of how Limerick Generating Station is
12 a valued community and business partner and echo the
13 statements already shared by several others.

14 They're one of the tri-county area's
15 largest employer, providing professional employment
16 opportunities for local residents. Those local
17 residents employed by Limerick Generating Station are
18 supporting the entire tri-county business community.
19 They're purchasing personal goods and services from
20 local small businesses. The annual outage is a
21 tremendous benefit to the local economy and our local
22 businesses. Limerick encourages their outage
23 employees to visit and purchase from tri-county area,
24 local businesses, and small businesses.

25 In addition to the jobs they provide local

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1 residents, they're making a significant investment in
2 our local communities. Municipalities and residents
3 benefit from assistance received from Limerick to
4 start, maintain, expand parks, recreation, and quality
5 of life opportunities.

6 Their corporate culture of giving back to
7 the community is practiced by their hundreds of
8 employees. Nonprofit organizations are supported by
9 Limerick Generating Station and the efforts of their
10 employees. Financial donations, as well as volunteer
11 hours and time are donated, enabling our local
12 nonprofits to provide the much needed services that
13 impact those in need throughout the tri-county area.

14 The Limerick Generating Station is
15 confident in the clean and safe environment they
16 maintain in our community. The community has been
17 invited to experience the generating station
18 firsthand. The chamber hosted a membership breakfast
19 and the site vice president, Bill Maguire provided the
20 keynote presentation. He summarized safety measures
21 and advancements at Limerick and answered questions
22 pertaining to the Limerick plant and its safety in the
23 wake of the tsunami in Japan.

24 In addition, after our breakfast, Chamber
25 members were encouraged to attend the informational

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1 meeting Limerick was holding for the community at
2 large, as well as participate in a tour of Limerick
3 Generating Station that was scheduled as a follow up
4 to our breakfast.

5 These opportunities for the community are
6 provided ongoing for the community to be informed and
7 educated about Limerick Generating Station. Thank
8 you.

9 (Applause.)

10 FACILITATOR BARKLEY: Bill?

11 MR. ALBANY: Good afternoon. My name is
12 Bill Albany. I'm the Chief of Police for Limerick
13 Township Police Department. As stated earlier the
14 Limerick Township Police Department is the only
15 municipal police department in the State of
16 Pennsylvania with primary law enforcement
17 responsibility for a nuclear power plant.

18 I am badged at the site and I am also a
19 co-chair of a subcommittee for the Joint Terrorist
20 Task Force Southeast Region.

21 I didn't want to talk too much about
22 environmental issues, but about my relationship with
23 LGS, particularly as it applies to their Security
24 Department, their Emergency Planning Department and
25 their management. In a lot of companies today, you

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1 see policies and procedures that people talk about and
2 they're put up on a shelf and they're followed at best
3 haphazardly with a wink and a nod and deviation from
4 the policy is not addressed.

5 One of the things that I'm continuously
6 impressed at LGS when I visit is their sound adherence
7 to policy and procedure. They don't deviate from it.

8 I've been to numerous drills at the plant, numerous
9 exercises at the plant, some of which were run by the
10 NRC and I've never seen them fail. They always come
11 out on top. In fact, in 2009, Limerick was selected
12 as a site for the first comprehensive pilot exercise
13 involving federal, state, and local law enforcement
14 SWAT teams to actually go into the power block and
15 conduct tactical operations in there, and that drill
16 was used as a boiler plate to develop policies and
17 procedures for implementation in power plants
18 throughout the country.

19 One of the -- I'm sorry, I don't believe
20 that continued operations of the power plant would
21 have any detrimental effect on public safety in the
22 southeast region. Thank you.

23 (Applause.)

24 FACILITATOR BARKLEY: Okay, thank you.
25 I'd like to call the final three speakers who have

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1 signed up, John McGowan, Ted Del Gaizo, and Timothy
2 Phillips. John?

3 MR. MCGOWAN: Thank you very much. My
4 name is John McGowan and I am a life-long resident of
5 the Delaware Valley. I have lived half of my -- or I
6 should say the Limerick Nuclear Power Station has been
7 operating for half of my life. I own three
8 manufacturing companies in the Malvern area and employ
9 a number of people in those facilities who rely
10 tremendously on the Limerick Power Generating Station
11 to supply safe, reliable electrical power to keep us
12 operating.

13 Today, I would like to say that in all of
14 the years that I've lived in this area, I've never
15 worried at all about the safety of the nuclear power
16 plant. I see it every day. And it bothers me not in
17 the least. I have never seen any credible evidence to
18 suggest that there are safety problems with this
19 plant. In terms of reliability, it is the same. It
20 is running 24/7, 365 days a year and it has been doing
21 so for a quarter of a century and I hope it continues
22 to do so for many more years to come.

23 As far as its environmental impact, I
24 think it's pretty widely known that nuclear power is
25 one of the cleanest environmental energies that we

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1 possess today throughout the world and to dismiss it
2 is I think a foolish notion.

3 The impact of the Limerick plant in our
4 region has been extraordinarily positive. It
5 provides, as we all know and have heard today, lots of
6 jobs, lots of good jobs, tax revenues for schools,
7 local governments and for those who live in the area
8 to enjoy the fruits of public services and it also
9 provides a lot of charitable donations to the
10 community which is very important.

11 I think that to not keep this plant
12 running and not consider a renewal of its license for
13 an extended period would be a tragic mistake for all
14 of us and I would like to end this by saying that the
15 only meltdown that would concern me is the economic
16 one that certainly would happen to this area should
17 this plant not continue to operate.

18 (Applause.)

19 FACILITATOR BARKLEY: Ted, go ahead.

20 MR. DEL GAIZO: Hi, my name is Ted Del
21 Gaizo. I'm a registered professional engineer in the
22 Commonwealth of Pennsylvania. I'm also president and
23 CEO of a small business engineering firm in nearby
24 Exton, Pennsylvania.

25 My experience in nuclear power goes back

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1 to the 1960s where I spent 14 years in Navy submarines
2 and I personally operated, maintained, and refueled
3 nuclear power plants during that period.

4 But I'm here today as a private citizen,
5 as a resident of the area and as a member of the
6 Pennsylvania Energy Alliance to go on record and say I
7 strongly favor license renewal for the Limerick
8 Generating Station. I say that because in my personal
9 experience I know in spite of some of the things
10 you've probably heard here today, nuclear power is
11 safe, reliable, secure and clean. But in addition to
12 that, I would like to go on record, I would like my
13 neighbors to know we are lucky to have the Limerick
14 Generating Station in this area. In the industry, it
15 has a top reputation. It is one of the finest nuclear
16 power plants in America. And Exelon, if not the best,
17 is certainly one of the finest nuclear operators in
18 the world.

19 I have nothing but confidence that Exelon
20 will work together with the NRC, will run through the
21 process and we will come up with the right conclusion
22 here which is license renewal should be granted to the
23 Limerick Generating Station. I think we need to keep
24 Limerick operating as long as we can.

25 In addition, in spite of some other things

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1 you may have heard here today, I'd like to thank the
2 NRC for the fine job they do on protecting the health
3 and safety of the public. I think as a regulatory
4 agency you're one of the finest in the world.
5 Certainly, the world follows everything you do. And
6 I'm sure you'll come up with the right conclusion here
7 and thank you for what you do for the United States.

8 (Applause.)

9 FACILITATOR BARKLEY: Timothy?

10 MR. PHELPS: Good afternoon. My name is
11 Tim Phelps. I'm the former president of the Tri-
12 County Area Chamber of Commerce, but I'm here as a
13 citizen, not a citizen of the Limerick community, but
14 a citizen of East Whiteland. After I left the
15 Chamber, I still stayed involved in the Exelon
16 Generating Station through their CAP program. I
17 thought was extremely important because of the
18 information that was provided to the community through
19 the CAP. And I'm able to share this information,
20 share the benefits and share what's happening here at
21 the nuclear power plant.

22 I have to thank the NRC for actually
23 hosting -- this is a part of their process of making
24 the transparency available to everybody, for the press
25 to be here in the room. That shows that there's an

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1 openness in the thinking process that goes into place
2 for renewal of any nuclear power plant.

3 And so from my perspective as a citizen,
4 as a business person who has worked in this community,
5 I understand the value this is to the region. And for
6 me, I applaud the NRC for what they're doing here. I
7 applaud Exelon for the great work that they're doing
8 there and I encourage the renewal process to take
9 place. Thank you.

10 (Applause.)

11 FACILITATOR BARKLEY: Thank you. With
12 that, I have all 15 people who had signed up for this
13 meeting, have been called. Is there anyone else who
14 would like to make a short follow-up remark or would
15 like to still speak at this point?

16 Okay, if not, I'd like to make two points
17 before we wrap up. One, the NRC does have public
18 meeting feedback forms which give us feedback on how
19 you think this meeting was conducted, so I would
20 greatly appreciate you filling out one of those forms
21 for us so that we can learn how to improve. There is
22 another session of this meeting at 7 o'clock tonight.
23 You're welcome to speak again tonight.

24 And secondly, what I'd like to say is I
25 facilitate a lot of meetings throughout the Northeast

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1 and I find groups have very differing opinions on both
2 sides of this issue and often are not respectful or
3 civil towards each other. I thought the audience this
4 evening was marvelous and exemplary towards each other
5 and I greatly appreciate that. I did not have to
6 interrupt or intervene, so I very much thank you for
7 that.

8 With that, I'd like to wrap up this
9 meeting and the NRC will still stay around to answer
10 questions and please talk with them some more. Thank
11 you very much.

12 (Applause.)

13 (Whereupon, at 3:45 p.m., the public
14 meeting was concluded.)

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NUCLEAR REGULATORY COMMISSION

Title: Limerick Generating Station License Renewal
Public Meeting: Evening Session

Docket Number: (n/a)

Location: Pottstown, Pennsylvania

Date: Thursday, September 22, 2011

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UNITED STATES OF AMERICA

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NUCLEAR REGULATORY COMMISSION

+ + + + +

PUBLIC MEETING TO DISCUSS THE LICENSE RENEWAL
PROCESS AND ENVIRONMENTAL SCOPING FOR LIMERICK
GENERATING STATION, UNITS 1 & 2

+ + + + +

THURSDAY

SEPTEMBER 22, 2011

+ + + + +

The Public Meeting met in the Sunnybrook
Ballroom, 50 Sunnybrook Road, Pottstown, Pennsylvania,
at 7:00 p.m., Richard Barkley, Meeting Facilitator,
presiding.

PRESENT

RICHARD BARKLEY, Meeting Facilitator, NRC

ROBERT F. KUNTZ, Project Manager, NRR/DLR

DENNIS C. MOREY, Branch Chief, NRR/DLR

LISA M. REGNER, Sr. Project Manager,

NRR/DLR

DAVID J. WRONA, Branch Chief, NRR/DLR

PUBLIC COMMENTERS

CATHERINE ALLISON

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JIM BECKERMAN

JEFF CHUMNUK, Pottstown Borough Council

TRACI CONFER, Energy Justice Network

DONNA CUTHBERT, Alliance For a Clean
Environment

LEWIS CUTHBERT, Alliance For a Clean
Environment, PhD

JIM DERR

DAN ELY

MICHAEL GALLAGHER, Exelon Nuclear

DANIEL LUDEWIG

JEFFREY G. NORTON, Pennsylvania Energy
Alliance

WILLIAM MAGUIRE, Exelon Nuclear

LORRAINE RUPPE

THOMAS SAPORITO, Saprodani Associates

FRED WINTER, MD

P-R-O-C-E-E-D-I-N-G-S

7:01 p.m.

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1 FACILITATOR BARKLEY: Good evening. Could
2 everyone take a seat so we can start the meeting?
3 It's actually about two minutes after 7:00. Okay,
4 good evening. For those of you who were not at the
5 afternoon meeting my name is Richard Barkley. I'm the
6 meeting facilitator for this meeting. We had a very
7 successful meeting this afternoon, 15 individuals
8 spoke and the meeting went very, very smoothly.
9 Hopefully that's the same situation this evening. If
10 you are interested in speaking hopefully you've signed
11 up. If not there is a sign-up sheet at the back or
12 you can see me and we'll work with signing you up.

13 I wanted to go briefly over some of the
14 ground rules for this meeting as we go through it. It
15 worked very well again this afternoon and hopefully it
16 will be fine this evening. First of all, one of them,
17 we ask you to sign up on a yellow speaker card and I
18 have that for individuals, or on a white piece of
19 paper that we had back there in the back. At this
20 point I have 12 people signed up. We had 15 this
21 afternoon but I'll probably pick up two or three as
22 this meeting goes on. To be fair the amount of time
23 allotted will be limited based on the number of
24 speakers who speak up or who ask to sign up. This
25 afternoon we went through 15 speakers in 75 minutes.

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1 It works out to about five minutes a person. Some of
2 them had a little variation but that seemed to be
3 adequate to present your remarks in a concise manner.

4 I typically call three people at a time so
5 the first person comes up, the other two people know
6 they're going to be called shortly thereafter. That
7 makes for a smooth transition from one speaker to the
8 next. And we do have one or two members of elected
9 officials here who have signed up and so I'll call
10 some of them and alternate between them and individual
11 members of the public.

12 At this point in time I believe there was
13 one representative of an elected representative in the
14 audience. Would any members who are elected officials
15 want to speak up? That was represented. Yes, sir.

16 MALE PARTICIPANT: I'm representing
17 Senator Casey.

18 FACILITATOR BARKLEY: Okay, thank you.
19 Anyone else? Yes, sir. Let's go on to the next slide
20 here. Yes, sure.

21 MS. ALLISON: I wondered if earlier today
22 you said you had 15 people speak.

23 FACILITATOR BARKLEY: I had 15 people
24 speak, yes.

25 MS. ALLISON: Now how many are allowed to

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1 speak at this meeting?

2 FACILITATOR BARKLEY: Right now I have 11
3 signed up but if more want to sign up it's fine. If
4 we work smoothly there's 15. I'm hoping this evening
5 we'll have roughly 15. Many of the same speakers that
6 spoke this afternoon will speak this evening.

7 MS. ALLISON: Okay. One other question.
8 I would like to know why sometimes according to this
9 we get five minutes and I know there are people who
10 have to speak but it's hard to say something so
11 important in five minutes. Something that -- it's
12 just --

13 (Applause)

14 FACILITATOR BARKLEY: And again, I
15 understand your point. There were several speakers
16 that actually went seven to eight minutes who I gave
17 latitude. If you have much longer comments this is
18 only one format to handle these comments. You can
19 also supply them in a written form. We have some
20 flexibility, I will give you flexibility but just to
21 follow the time that's -- go ahead.

22 MS. ALLISON: How many meetings do we have
23 like this to speak? How many opportunities do we have
24 to speak? That we have like this.

25 FACILITATOR BARKLEY: Meetings with the

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1 license-holder or just this facility?

2 MS. ALLISON: Where the public is allowed
3 to speak.

4 FACILITATOR BARKLEY: We have public
5 meetings on a very frequent basis but regarding
6 Limerick this is the first one related to license
7 renewal. But we have many, many comments that are
8 received in a written format versus in a verbal
9 format.

10 MS. ALLISON: Well, I'd like to know how
11 many opportunities the public gets to speak and why we
12 get five minutes.

13 FACILITATOR BARKLEY: Continuing on I
14 would ask you to silence your cell phones so we don't
15 have interruption. Yes, sir, I'm sorry.

16 MR. TROUT: If people who speak from the
17 floor could use their microphones then we could all
18 hear what you have to say.

19 FACILITATOR BARKLEY: Okay, understood.
20 The gentleman had difficulty hearing the question.
21 But I can summarize that. I'll talk to you privately
22 about that. Again, if we could speak clearly into the
23 microphone. This afternoon we had the microphone
24 facing backwards. You weren't facing the audience.
25 This time we're going to try to have it facing the

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1 audience. That seems to be a little bit more
2 desirable for speakers. Again, written comments are
3 welcome during and after this meeting. At some of our
4 licensees we have had many, many times as many written
5 comments provided regarding the Environmental Impact
6 Statement as we have in verbal comments. Some of our
7 stations, I think Indian Point had almost 2,000
8 comments submitted, only about 50 of them in a verbal
9 format in a meeting such as this. And then again if
10 there are questions or concerns regarding the conduct
11 of this meeting please see me and we'll work through
12 them. All right? Go ahead, Rob. I'd like to turn it
13 over to Rob Kuntz now, please.

14 MR. KUNTZ: Good evening. My name is Rob
15 Kuntz. I'm the Safety PM for the -- in charge of the
16 review for the Limerick Generating Station License
17 Renewal Application. I'd like to thank you all for
18 taking the time and attending the meeting this
19 evening. Tonight we will provide an overview of the
20 license renewal review process which includes both a
21 safety review and an environmental review. We will
22 describe to you the numerous ways and opportunities
23 the public can participate in the Limerick license
24 renewal process through either the safety or the
25 environmental renewal review. But the most important

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1 part of today's meeting is to receive any comments
2 that you may have on the scope of the environmental
3 review. We also will give you some information about
4 how you can submit comments if you prefer not to speak
5 at this meeting.

6 At the conclusion of today's -- tonight's
7 presentation we'll be happy to answer any questions
8 that you may have on the license renewal process.
9 However, I must ask you to limit your participation to
10 questions only and hold the comments until the
11 appropriate portion of the meeting. Once all
12 questions are answered we can begin to receive any
13 comments that you have on the scope of the
14 environmental review. Next slide.

15 Before I get into discussion of the
16 license renewal process I'd like to take a minute to
17 talk about the NRC in terms of what we do and what our
18 mission is. The NRC is a federal agency established
19 by the Energy Reorganization Act of 1974. We regulate
20 the civilian use of nuclear material. The Atomic
21 Energy Act of 1954 authorizes the NRC to grant a 40-
22 year operating license for nuclear power reactors.
23 The 40-year term was based primarily on economic and
24 antitrust factors, not on safety or technical
25 limitations. The Atomic Energy Act also allows for

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1 license renewal. The National Environmental Policy
2 Act of 1969, also referred to as NEPA, established a
3 national policy for considering the impact of federal
4 decision-making on the human environment. Lisa will
5 discuss NEPA in greater detail.

6 The NRC's regulations governing nuclear
7 safety, security and environmental protection are
8 contained in Title 10 of the Code of Federal
9 Regulations, often referred to as 10 CFR. In
10 exercising its regulatory authority the NRC's mission
11 is threefold: to ensure adequate protection of public
12 health and safety, to promote the common defense and
13 security, and to protect the environment. The NRC
14 accomplishes its mission through a combination of
15 regulatory programs and processes such as establishing
16 rules and regulations, conducting inspections, issuing
17 enforcement actions, assessing licensee performance
18 and evaluating operating experience from nuclear
19 plants across the country and internationally. The
20 NRC has resident inspectors at all operating nuclear
21 power plants. These inspectors are considered the
22 eyes and ears of the NRC. They carry out our safety
23 mission on a daily basis and are on the front lines of
24 ensuring acceptable safety performance and compliance
25 with regulatory requirements. Next slide.

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1 A little bit about the Limerick license
2 renewal. That application was received on June 22nd
3 of this year. The operating license is expiring in
4 2024 for Unit 1 and 2029 for Unit 2. A license can be
5 -- a licensee can submit an application up to 20 years
6 prior to the expiration of their license. The length
7 of the license cannot exceed 40 years and the renewed
8 license supercedes the previous license. Next slide.

9 The first step of the license renewal
10 process is to perform an acceptance and sufficiency
11 review of the application. When the NRC receives a
12 license renewal application the NRC staff examines it
13 to determine whether the application contains
14 sufficient information to justify the staff's review.

15 The staff looks to see whether the applicant has
16 provided enough information in terms of technical
17 information, technical specifications and the
18 environmental report so that the staff can begin its
19 work. If the application has enough in it to warrant
20 the staff's review then the application is considered
21 acceptable and sufficient and is put on the NRC's
22 docket. General information such as the applicant's
23 name and address, business and administrative
24 information, technical information about the plant
25 structures and components and how the applicant

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1 proposes to manage aging, pertaining to aging
2 management. This information is the focus of the
3 staff's safety review.

4 Technical specifications define the
5 operating parameters of the plant. The application
6 indicates what, if any, changes or additions to
7 technical specifications are necessary to manage the
8 effects of aging during the period of extended
9 operation. The application also includes an
10 environmental report which is the applicant's
11 assessment of the environmental impacts of continued
12 operation. This information is the starting point for
13 the staff's environmental review which will be
14 discussed a bit later in this presentation. Next
15 slide.

16 I'd like to mention a few very important
17 areas of NRC oversight that routinely come up during
18 our interactions with the public. NRC staff address
19 these areas of performance every day as part of the
20 ongoing regulatory oversight provided for all
21 currently operating power reactors. They include
22 current safety performance as defined by NRC
23 inspection findings, violations and general assessment
24 of plant performance, emergency planning and security.
25 For specific information on the current performance

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1 at Limerick you can use the link that's provided on
2 the slide here. The NRC monitors and provides
3 regulatory oversight of activity in these areas on an
4 ongoing basis under the current operating license.
5 Thus, we do not reevaluate them in license renewal.
6 That's not to say they're not important, we just don't
7 duplicate the regulatory process in these areas for
8 license renewal. Next slide.

9 I'd like to talk briefly about the NRC's
10 response to the incident in Japan. Since the accident
11 at Fukushima the NRC has taken multiple steps to
12 ensure the safe operation of nuclear power plants both
13 now and in the future. As part of its initial
14 response to the accident the NRC issued temporary
15 instructions to inspectors directing specific
16 inspections of nuclear power plants in order to assess
17 disaster readiness and compliance with current
18 regulations. The next step in the NRC's response was
19 the report of NRC's Near-Term Task Force. The purpose
20 of the Near-Term Task Force was to develop near-term
21 recommendations and suggest a framework for us to move
22 forward in the long term. The Near-Term Task Force
23 issued its report on July 12th and discussed the
24 results of their review in a public meeting held on
25 July 28th. As a result of its review the Near-Term

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1 Task Force presented 12 overarching recommendations
2 for improvement. These recommendations are applicable
3 to operating reactors regardless of license renewal
4 status.

5 Based on the results of the Near-Term Task
6 Force the Commission has directed the NRC staff to
7 evaluate and outline which of the recommendations
8 should be implemented. The staff submitted a paper to
9 the Commission on September 9th providing the staff's
10 recommendation on which task force recommendations can
11 and in the staff's judgment should be initiated in
12 part or in whole without delay. On October 3rd the
13 staff will submit another Commission paper on its
14 prioritization of 11 of the 12 task force
15 recommendations. Recommendation 1 of the task force,
16 the recommendation to reevaluate the NRC's framework,
17 will be evaluated over the next 18 months. To date
18 the NRC has not identified any issues as part of these
19 activities that call into question the safety of any
20 nuclear facilities. Additionally, this review process
21 is going on independent of license renewal. Any
22 changes that are identified as necessary will be
23 implemented for all licensees regardless of license
24 renewal status.

25 More information on the NRC's post-

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1 Fukushima activities including the results of the
2 Near-Term Task Force can be found on NRC's website by
3 clicking on the Japan Nuclear Accident NRC Action link
4 on the home page, or directly through the web address
5 on the slide. There are also a limited number of
6 copies of the Near-Term Task Force Report that are
7 available in the back of the room.

8 Now on to the license renewal process.
9 Here's a simplified diagram of the license renewal
10 process. License renewal review involves two parallel
11 paths, the safety review and the environmental review.

12 These two reviews evaluate separate aspects of the
13 license renewal application. It also features three
14 other considerations in the Commission's decision of
15 whether or not to renew the license. One of these
16 considerations is the independent review performed by
17 the Advisory Committee on Reactor Safeguards, also
18 known as the ACRS. Statutorily mandated by the Atomic
19 Energy Act of 1954 the ACRS is a group of scientists
20 and nuclear safety experts who serve as a consulting
21 body to the Commission. The ACRS reviews license
22 renewal application, the NRC staff's safety
23 evaluation, and inspection of findings. The ACRS
24 reports their findings and recommendations directly to
25 the Commission.

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1 Hearings may also be conducted if
2 interested stakeholders submit concerns or contentions
3 and their request for hearing is granted. The Atomic
4 Safety and Licensing Board, an adjudicatory panel,
5 will conduct the hearing. The Commission considers
6 the outcome of the hearing process in its decision on
7 whether or not to renew the license.

8 As part of the environmental review, the
9 staff consults with local, state, federal and tribal
10 officials such as the EPA and the staff holds public
11 meetings to receive comments on the draft EIS,
12 Environmental Impact Statement. Next slide.

13 To better understand the license renewal
14 process it is good to know the safety principles that
15 guide license renewal. The first principle is that
16 current regulatory process is adequate to ensure the
17 licensing basis of all operating reactors provides or
18 maintains an acceptable level of safety. A second
19 principle is that the current plant's specific
20 licensing basis must be maintained during the renewal
21 term in the same manner and to the same extent as
22 during the original term. In other words, the same
23 rules that apply under the current license will apply
24 in the renewal term. In addition, a renewed license
25 will include conditions that must be met to ensure

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1 aging of structures and components important to safety
2 is adequately managed so that the plant's current
3 licensing basis is maintained during the period of
4 extended operation. Next slide.

5 Safety review focuses on the aging of
6 passive and long-lived structures and components and
7 systems that the NRC has deemed important to safety.
8 Components within the scope of license renewal are
9 defined in 10 CFR 54.4 and include safety-related
10 systems, structures and components, non-safety related
11 systems, structures and components whose failure could
12 prevent satisfactory accomplishment of safety-related
13 functions, and structure systems and components relied
14 on in safety analysis or plant evaluations to perform
15 a function that demonstrates compliance with
16 regulations for fire protection, environmental
17 qualification, pressurized thermal shock, anticipated
18 transient without scram and station blackout. Passive
19 components are components who perform function without
20 moving parts or change in configuration or properties.

21 Active components are generally excluded from the
22 scope of license renewal. Degradation is more readily
23 detected by existing surveillance and performance
24 condition monitoring for these active components.

25 The staff's main objective in this review

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1 is to determine if the effects of aging will be
2 adequately managed by the applicant. The results of
3 the staff's review are documented in the Safety
4 Evaluation Report. Next slide.

5 The safety review comprises numerous
6 aspects. The technical staff reviews the application
7 and supporting documentation to determine the
8 applicant's methodology for identifying systems,
9 structures and components within the scope of license
10 renewal and subject to an aging management review.
11 Also determined if the methodology has been properly
12 implemented and to determine with reasonable assurance
13 that the effects of aging for certain systems,
14 structures and components will be adequately managed
15 or monitored by new and existing programs and
16 surveillance activities. The staff uses site visits
17 called audits to verify the technical basis of the
18 license renewal application and to confirm that the
19 applicant's aging management programs and activities
20 conform with how they are described in the license
21 renewal application. The staff documents the basis
22 and conclusion of its review in a Safety Evaluation
23 Report which is publicly available. In addition, a
24 team of specialized inspectors travel to the reactor
25 site to verify the aging management programs are being

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1 implemented, modified or planned consistent with the
2 license renewal application. Finally, as I've
3 mentioned, the ACRS performs an independent review of
4 the license renewal application, the staff's SER and
5 inspection findings and makes a recommendation to the
6 Commission regarding the proposed action to issue a
7 renewed license. Next slide.

8 The next slide shows some milestones for
9 the review of the Limerick license renewal
10 application. As you can see today, September 22nd,
11 the Environmental Scoping Meeting. October 24th, the
12 opportunity to file hearing closes, and there's some
13 other dates as we progress through. And these are
14 pending any unforeseen circumstances related to the
15 review. All right, that concludes my portion of the
16 presentation. I'll turn it over to Lisa Regner.

17 MS. REGNER: Good evening. Thank you,
18 Rob. Good evening, thank you for coming out tonight.

19 I know it's hard to take a night out and listen to
20 government officials but we do want to keep you
21 informed of our process. My name's Lisa Regner. I'm
22 going to talk about the environmental review during
23 the Limerick license renewal review. I'd like to
24 explain to you briefly about this separate but equally
25 important review.

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1 This review is performed in accordance
2 with the National Environmental Policy Act of 1969, or
3 NEPA, as Rob mentioned already. NEPA established a
4 national policy for conducting -- considering
5 environmental impacts and provides the basic
6 architecture for federal environmental reviews. All
7 federal agencies must follow a systematic approach in
8 evaluating potential impacts for projects, for federal
9 projects, and also to assess alternatives to those
10 actions. By law the NEPA process involves public
11 participation and public disclosure.

12 NEPA established the U.S. Council on
13 Environmental Quality within the Executive Office of
14 the President and the Council on Environmental Quality
15 establishes policy for implementation of NEPA. The
16 NRC's environmental regulations contained in 10 CFR
17 Part 51 are largely based on those that CEQ developed.

18 Our environmental reviews consider the
19 impact of license renewal and any mitigation for those
20 impacts that we consider to be significant. We also
21 consider the impacts of alternatives to the license
22 renewal, including the impacts of not renewing the
23 license. The staff documents its environmental review
24 in an Environmental Impact Statement which is made
25 publicly available. Ultimately the purpose of the

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1 staff's environmental review is to determine whether
2 the environmental impacts of license renewal are
3 reasonable and in combination with the other reviews
4 that Rob mentioned, the safety, inspection and ACRS,
5 Advisory Committee for Reactor Safeguards review, we
6 take that information and make a recommendation to the
7 Commission whether to renew the license or not. Next
8 slide.

9 During the review, the NRC environmental
10 staff looks at a wide range of impacts. Additionally
11 we consult with -- and the impacts are listed up here
12 on this slide. We also consult with various federal,
13 state and local officials as well as leaders of Indian
14 nations. We gather pertinent information from these
15 sources and ensure it's considered in our analysis.
16 So some of the agencies that we consult with are U.S.
17 Fish and Wildlife Service, the Environmental
18 Protection Agency, the Pennsylvania Department of
19 Conservation and Natural Resources, the State Historic
20 Preservation Office, and again, displaced tribal
21 nations. Next slide.

22 The environmental review begins with a
23 scoping process which is an assessment of the specific
24 impacts and significant issues that the staff should
25 consider in preparing the Limerick Environmental

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1 Impact Statement. Currently this is where we are in
2 the process and it's an important part of this meeting
3 as well. Information we gather from you today and in
4 the next few weeks will be considered and included in
5 the Environmental Impact Statement. We recognize that
6 some impacts are similar if not identical at all
7 plants so to improve efficiency the staff developed
8 what we call a Generic Environmental Impact Statement
9 and that addresses a number of impacts common to all
10 nuclear power plants.

11 So we then supplement that generic EIS
12 with a Site-Specific Environmental Impact Statement in
13 which we address issues that are specific to the
14 Limerick site. In addition, we also reexamine the
15 conclusions reached in the Generic Environmental
16 Impact Statement to determine if there's any new and
17 significant information that would change the
18 conclusions in the GEIS. Next page, please.

19 The scoping period started on October 26th
20 of this year when the Notice of Intent to Prepare an
21 EIS and Conduct Scoping was published in the Federal
22 Register. The NRC will accept comments from you, from
23 the public on the scope of the environmental review
24 until October 28th, 2011, this year. In general what
25 we're looking for is information about environmental

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1 impacts from the continued operation of Limerick. You
2 can assist us in that process by telling us for
3 example what aspects of your local community we should
4 focus on, what local environmental, social and
5 economic issues the NRC should examine during our
6 environmental review, what other major projects are in
7 progress or planned in the area, and what reasonable
8 alternatives are most appropriate for this region.
9 These are just some of the examples of the input we're
10 looking for and they represent the kinds of
11 information that we seek through the environmental
12 scoping process. We don't know your community like
13 you do, we at headquarters, so your comments tonight
14 provide insight and ensure a thorough review. Next
15 slide.

16 So this kind of gives you an overview of
17 what goes into our decision. Public comments are an
18 important part of the environmental review process.
19 So how do we use your comments? All of your comments
20 to us, whether provided verbally during this meeting
21 or in a written letter, fax, email, delivered
22 personally to the NRC, as long as they're written they
23 are accepted and they are considered. We respond to
24 each comment as part of the Supplemental or plant-
25 specific Environmental Impact Statement. The

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1 Supplemental Environmental Impact Statement is one of
2 the factors as well as -he several other factors shown
3 here that influences the Commission's decision to
4 renew the license or not. Next slide.

5 In addition to providing verbal and
6 written comments at this meeting there are several
7 other ways that you can submit comments for our review
8 process, and there's no limit to the length of those
9 written comments. You can submit comments online
10 using the federal rulemaking website which is
11 regulations.gov. And up at the top of that website
12 you'll see a box where you can enter a keyword or ID.

13 If you type in the NRC-2011-0166 docket ID then it
14 will list, it should list up at the top Exelon
15 Generation Company Notice of Intent to Prepare an
16 Environmental Impact Statement and Conduct Scoping
17 Process for Limerick. Okay. And then on the right
18 side of the screen you'll see a link to submit a
19 comment. Okay, so that's one way at regulations.gov.

20 You can also fax your comments to the number here.
21 And it might be easier if you reference Limerick or
22 put the docket ID number when you fax your comments.
23 That way we know it's for Limerick. Okay, next slide.

24 You can also submit comments by mail to this website
25 or you can come, if you happen to be in Rockville near

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1 D.C. you can come to headquarters, NRC headquarters,
2 and submit written comments. And you're welcome to
3 give me a call and I can help you with that.
4 Actually, and you can, if you have any problems with
5 any of these submittal methods feel free to give me a
6 call and I can help you through that process. Okay?
7 And I did want to remind people that comments, we'd
8 like to have comments submitted by October 28th,
9 please. Next slide.

10 So here are environmental review
11 milestones. These are a little more specific to the
12 environmental review but I did list the hearing
13 opportunity because those are two dates that are
14 coming up. And this is not the only time that we will
15 have a public meeting. These two public meetings that
16 we have on scoping today are, one of the two major
17 public meetings that we will have, the next one will
18 be once the staff has prepared a draft Supplemental
19 Environmental Impact Statement for Limerick. We will
20 issue that publicly and then again we welcome public
21 comments on that draft SEIS. And right now that's
22 tentatively scheduled for either late August or early
23 September 2012, so next summer, early fall. Okay.
24 And again, we will have two meetings. Next slide.

25 So this is our contact information. Rob

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1 and I are the primary points of contact within the NRC
2 for license renewal issues for Limerick. Okay.
3 Again, Rob is safety and I am environmental. Next
4 slide, please. Now, if you don't have a computer and
5 would like to view the license renewal application
6 there are -- we've placed hard copies at the two
7 libraries listed here. Pottstown Regional Public
8 Library and Royersford Free Public Library both have
9 the application available in hard copy. Also if you
10 do have a computer and want your own personal copy I
11 do have some disks in the back and you're welcome to
12 take those. The draft SEIS will also be available at
13 these libraries when it's published for comment.
14 They'll also be on the NRC website at the address
15 shown here on the slide. As you came in you were
16 asked to fill out a registration card at our reception
17 table. If you include your email address we'll sign
18 you up for the Limerick listserv which will provide
19 any NRC documents associated with Limerick, but if you
20 put your address on the card we will send you a hard
21 copy of the Environmental Impact Statement. This
22 concludes my presentation. I'd like to open the floor
23 up for questions.

24 FACILITATOR BARKLEY: Before we move to
25 the public comment period were there any questions

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1 regarding this presentation? Yes, sir.

2 MALE PARTICIPANT: Did you say in the back
3 of the room there's a disk -- there are disks with the
4 licensee application and submission? What's that?

5 FACILITATOR BARKLEY: Yes, so we'll be
6 glad to give you a copy of that. The entire
7 application is on that disk. With that I'd like to
8 move to our -- sorry. Yes, sir.

9 MALE PARTICIPANT: Are copies of these
10 slides available?

11 MS. REGNER: They will be, yes. Copies of
12 the slides will be available in our agency-wide
13 document management system. And I can either give you
14 that number, if you want to see me after the
15 presentation I can give you that number or you can
16 email me and I'd be happy to send you a copy.

17 FACILITATOR BARKLEY: Is there another
18 question? Okay. With that what I'd like to do is
19 call the first speaker.

20 MS. REGNER: Are we going to do Mr.
21 Saporito?

22 FACILITATOR BARKLEY: Yes. This meeting
23 is open to members of the public and some of the
24 members of the public are not in this local area. We
25 did have one request for a gentleman to attend this

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1 meeting via conference bridge. And due to the
2 arrangements of the audio in this room it wasn't
3 possible to do it any other way than a cell phone. So
4 we're going to go to him and ask him to make a
5 statement for the period and move from there. So our
6 first speaker will be Mr. Thomas Saporito who is a
7 senior consulting associate and he actually lives in
8 Florida. So as soon as we can work having him on the
9 microphone we will have him make his statement. Are
10 we free to give it a try?

11 MS. REGNER: Go ahead. Yes. Go ahead,
12 Mr. Saporito.

13 MR. SAPORITO: Is it my turn to speak?

14 MS. REGNER: Yes.

15 MR. SAPORITO: Okay. Can you hear me
16 okay?

17 FACILITATOR BARKLEY: As best we can, yes.

18 MS. REGNER: Yes, go ahead.

19 MR. SAPORITO: All right. My name is
20 Thomas Saporito. I'm the senior consultant with
21 Saprovani Associates and I'm located in Jupiter,
22 Florida. I would like to comment on the NRC's
23 environmental review but before I do that I want to
24 state that, you know, I'm very upset at the NRC's
25 refusal to honor my enforcement petition filed under

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1 10 CFR 2.206 with respect to the Limerick nuclear
2 plant. The NRC denied that petition on the basis that
3 I would have an opportunity to intervene on this
4 proceeding through the NRC's judicial process.
5 However, that's not available to me. I made that
6 quite clear in the 2206 petition. Now, I don't have
7 standing as a United States citizen because of my
8 physical location in Jupiter to intervene in a
9 proceeding in Pennsylvania where this plant is
10 located. The NRC staff is incorrect in their opinion
11 and they have a legal obligation to honor that
12 enforcement petition and to provide an opportunity for
13 me to address the Petition Review Board. So I want to
14 put that on the record and I'm asking the NRC to look
15 into that issue.

16 With respect to this environmental
17 petition the fellow who spoke earlier from the NRC, I
18 don't recall his name. It was very hard for me to
19 hear through this communication his name. But anyway,
20 one of his comments was exceptionally incorrect and he
21 misinformed the public. And I'd like to correct that
22 statement. He stated that the NRC is extending the
23 original operating license which was granted by the
24 NRC for a 40-year period of time that that initial 40-
25 year license was not based on safety considerations or

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1 technical considerations. But that's absolutely not
2 true and there was recently a year-long investigative
3 report done by the Associated Press who interviewed
4 expert nuclear personnel, engineers, safety engineers
5 in the nuclear industry who told them that the 40-year
6 licenses issued by the NRC for 104 nuclear plants in
7 the United States was based on safety and technical --
8 safety technical analysis. So these proceedings,
9 these license extension proceedings like the one we're
10 currently at are a rubber-stamping of these 20-year
11 license extensions. This is in fact a foot race
12 between the Nuclear Regulatory Commission and the
13 United States Congress where Congress wants to stop
14 this process, put a moratorium on the re-licensing
15 until the Fukushima disasters can be fully understood
16 and the enhancement enacted in August for our power
17 plants here. This particular nuclear plant, these
18 plants, you know, their license is already good till
19 2024. Why are we here now 12 years ahead of time
20 trying to extend this license? And the only reason is
21 because it's a foot race the NRC's in with Congress
22 and nothing more. This has nothing to do with
23 protecting public health and safety, it's the NRC's
24 zeal to continue to rubber-stamp these license
25 extensions without allowing citizens due process like

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1 I already talked about and without doing a cost-
2 intense and thorough environmental review.

3 And with respect to the NRC's
4 environmental review the NRC in my view failed to
5 properly consider the embrittlement of this nuclear
6 reactor vessel. When these nuclear reactors are
7 operating the neutrons cause the metal in the reactor
8 vessel to become brittle over time. And after
9 numerous years of operation these reactor vessels
10 could crack because they're so brittle. But the NRC
11 doesn't properly evaluate that and the NRC doesn't
12 require the licensee to do destructive testing and
13 analysis of the reactor's metal vessel prior to
14 rubber-stamping a 20-year extension to these licenses.

15 Twenty years from now, oh actually 20 years from 2024
16 which will be 2044 this reactor is going to be even
17 more critically brittle and the NRC's not going to
18 understand the dynamics of that and the reactor could
19 crack and it's going to melt down because you can't
20 recover from a loss of coolant accident of that
21 magnitude. So that's one point.

22 The other point is the NRC's Commission
23 over there in Rockville, in the White Flint Building,
24 they recently adopted a new policy with respect to
25 evacuations. They want these licensees to update

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1 their evacuation plans. Now, I would hope that the
2 NRC staff has made that requirement to the Limerick
3 licensee so that the people near and around within 15
4 miles of the nuclear plant can properly and timely
5 evacuate the area. Again, the Associated Press's
6 investigation, year-long investigation shows that the
7 populations around these nuclear plants increased
8 tenfold over the years and that the roads and the
9 congestion, you can't timely evacuate these areas.
10 And the NRC keeps pushing these evacuation plans onto
11 the licensee but the NRC doesn't enforce its
12 regulation or properly review if these plans are even
13 effective.

14 The NRC is required under the law in this
15 review, the environmental review to consider renewable
16 energy sources, alternatives. And that means need.
17 Is there really a need for these two nuclear plants to
18 operate and the answer is no. Simply stated if all
19 the customers who receive power from these nuclear
20 plants were to simply remove their hot water heaters
21 and replace them with on-demand electric water heaters
22 you would reduce the electric base load demand by 50
23 to 70 percent. You wouldn't need either one of those
24 nuclear power plants to operate. If you take that
25 further and introduce other energy conservation you

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1 would actually have the licensee shut down more of
2 their other power plants because of you would need a
3 demand. If you take wind energy which is plentiful up
4 there in Pennsylvania and even the new solar panel
5 which can operate when the sun isn't shining on a
6 cloudy day you could replace even more operating power
7 plants. So these renewable energy sources even with
8 respect to wind energy since you have a common grid
9 throughout the United States you can have wind farms
10 generate power to a common grid point and supplying
11 the power that these nuclear plants are now providing.

12 The NRC's required under the law to consider these
13 alternatives to extending this license. And I would
14 hope that the NRC's final evaluation and review shows
15 a complete and thorough analysis of all these
16 renewable energy sources including installing on-
17 demand hot water electric heater and doing an analysis
18 of how many megawatts you're going to take off the
19 grid and based on those evaluations make a licensing
20 determination whether or not this license should be
21 extended. Because 20 years from now all these
22 renewable resources are going to be all that much more
23 advanced and capable of supplying all that much more
24 power than they're currently supplying. So those are
25 my comments and I would hope that the NRC takes them

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1 seriously and applies them to this license renewal.
2 And I hope everybody heard me.

3 (Applause)

4 MS. REGNER: Can you hear that? They're
5 clapping.

6 FACILITATOR BARKLEY: Okay, at this point
7 I'll call back Mr. Saporito later and thank him for
8 his remarks and for being succinct in his remarks.
9 It's awfully awkward to provide comments via this
10 avenue.

11 The first three people I would like to
12 call are actually individuals who did not speak this
13 afternoon so I'd like to start with them. Firstly,
14 Jeff Chumnuk, then Daniel Ludewig, and then finally
15 Catherine Allison. So Jeff, if you could lead off.

16 MR. CHUMNUK: Hi, my name is Jeff Chumnuk
17 and I'm a member of Borough Council with Pottstown
18 Borough. And my comments tonight are more I guess
19 from my perspective as a newly elected official with
20 the generating station. About a year ago I had the
21 opportunity to go down to the generating station and
22 meet with Joe Saffron and the first part of my meeting
23 had to do with looking for some support for the
24 Pottstown Soapbox Derby. Through some conversation
25 while we were standing outside you know Joe

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1 enlightened me a little bit on what Exelon and the
2 generating station do for the surrounding communities,
3 whether it's supporting our firefighters, police
4 departments and other civic organizations. You know,
5 from a Pottstown perspective they help us with our
6 yearly borough cleanup, our Salvation Army and now the
7 Soapbox Derby. Thank you.

8 And we were standing outside that day, it
9 was pretty nice out, and our conversation led to the
10 power plant itself. We were standing there looking
11 around, it's a pretty impressive sight. So I asked
12 him about, you know, possibly having a tour for
13 municipal officials. He said he would look into it
14 and see what he could do. A couple of months later he
15 got a group of about 20 of us and gave us a tour of
16 the plant one evening. And I have to say that from
17 the time we walked through the front gates and past
18 the security as our tour progressed, you know,
19 throughout the plant safety was paramount. Whether
20 you were having explained what the different colors
21 are on the different panels and what they mean to
22 different failsafes, why you walk certain areas
23 certain ways and what lines you had to stand behind,
24 you know, safety was paramount with them. You know,
25 from the environment, I'm looking around and this

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1 place is spotless. And I asked why and it's because
2 they can't afford to have dirt or lint or fuzz balls
3 around because of static electricity because it could
4 create issues. So from that aspect I thought it was a
5 good tour and it made me feel good about the safety
6 aspects there.

7 To finish our tour we ended up in the
8 control room upstairs. And I'd say maybe a dozen or
9 so individuals up there monitoring you know everything
10 going on within the plant and around the plant. And
11 again, explaining the failsafes and why they're
12 double-, triple-checked to eliminate human error. It
13 was just very impressive and as an elected official to
14 go down and take a tour of the plant and understand
15 how it operates. I know when I left I personally know
16 how to issue a concern with the generating station. I
17 know I felt a lot better and a lot safer going home
18 that night. And it was also good to realize, you
19 know, as one of our region's largest employers now
20 that they are willing to give back to the community
21 and keep safety first. So thank you, I just wanted to
22 make those comments.

23 (Applause)

24 FACILITATOR BARKLEY: Thank you, Jeff.
25 Daniel?

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1 MR. LUDEWIG: I'm Dan Ludewig. Just two
2 questions. One would be what are we going to do with
3 the 20 years of spent rods and how are you going to
4 take care of those. And secondly, if we don't get the
5 license which I doubt but what would -- how would we
6 get electric if the license were canceled? I don't
7 know who answers this.

8 FACILITATOR BARKLEY: I'll ask Lisa to
9 speak.

10 MS. REGNER: Yes, the spent fuel rods.
11 Limerick is licensed for an individual spent fuel pool
12 facility. They offload the spent fuel. Once they've
13 cooled to a certain level they will put those into dry
14 cask storage and store those onsite. In the
15 environmental review that's looked at generically.
16 Limerick does have storage for the spent fuel rods.
17 That's an ongoing, it's onsite and part of their
18 reactor oversight process as well. So the residents
19 that work at the plant monitor the safe operation of
20 those facilities.

21 The second question, where would the power
22 come from if Limerick were shut down? There are
23 alternate power facilities in the area. Dave, you
24 want to give that a try?

25 MR. WRONA: I'm David Wrona, a branch

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1 chief in the Division of License Renewal with the
2 Nuclear Regulatory Commission. The choice of what
3 electricity is used is not the Nuclear Regulatory,
4 it's not under our purview. As Rob and Lisa had on
5 their slides our mission is to protect the public
6 health and the safety from the commercial use of
7 nuclear power. So if the decision is to have a
8 nuclear power plant then the Nuclear Regulatory
9 Commission is here to ensure the public health and
10 safety of that plant. But we don't get involved with
11 the decisions of exactly what type of power plant will
12 be used to power, put electricity on the grid.

13 In terms of the spent fuel, spent fuel is
14 an issue that we will address in our Environmental
15 Impact Statement. So when -- we're still developing
16 that report. We're very early in the stages of that.

17 When it's published you'll be able to see our
18 analysis on spent fuel and we'll be back in 2013 --
19 2012, sorry, to receive comments on that report.

20 FACILITATOR BARKLEY: Okay, thank you.
21 Catherine? Catherine, our longest speaker today was
22 Mr. Cuthbert, eight minutes. I will not interrupt you
23 before eight minutes.

24 MS. ALLISON: I appreciate that. He was
25 very concise and he had some great information for us.

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1 Can everyone hear me in the back row? I am Catherine
2 Allison and I was born and raised in this area so as
3 far as the NRC wanting to know how this impacts the
4 area I know it very well. I've also traveled the
5 world so, Europe, et cetera. So did anyone not be
6 able to hear me, just raise your hand. You're good?
7 Okay.

8 One thing I wanted to say is the NRC
9 tonight is doing a scoping basically for environmental
10 purposes for the re-licensing. What I wanted to say
11 is for years everyone, I'm being general here, but
12 most people have been talking about the effects of
13 like, you know, cancer, you know, the impact on the
14 clean air, clean water which things we are all
15 concerned about and a lot of us just didn't do
16 anything about it even though we were very concerned.

17 Now lately with the -- unfortunately it's
18 a reality now that we have hurricanes, more tornadoes,
19 tsunamis throughout the world. And I hate to say it
20 but it is a reality now that we have terrorist attacks
21 and Limerick is definitely one. I don't want to be
22 blowing this out of proportion but it's just something
23 that I know that we've all been concerned about, not
24 wanting to say yes, Limerick, and all the people that
25 built the power plant and the company say oh, there's

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1 no impact to the air and the water pollution and so
2 forth. So we've kind of just blinded our, you know,
3 selves to that and let's believe then, okay, let's
4 take a minute. Let's really believe that there is no
5 impact in our clean air, clean water and those type of
6 things and cancer, et cetera. Let's just go into the
7 new reality which is terrorist attacks which would
8 happen. Let's just say for example there was human
9 error there with the spent fuel rods and something
10 happened, or a radiation leak. I just drove tonight
11 from King of Prussia. Talk about evacuation when
12 these natural disasters and realities hit us. One
13 accident, two hour backup, almost no exaggeration, one
14 thousand cars. There will be no evacuation. I don't
15 want to be like scare tactics here but like I said,
16 the weather and so forth, natural disasters has really
17 been hitting the whole United States and the world
18 lately so it's a reality.

19 There was flooding after the hurricane
20 that we just had. Five days later there was roads
21 closed in Pottstown, in North Coventry, East Coventry.

22 There were, when I tried to get home from work right
23 on Route 724, no exaggeration again from all the back
24 roads about 500 cars. There will be no evacuation and
25 I certainly hope that people understand I'm not trying

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1 to be scare tactics. I see this. I'm sure a lot of
2 you have seen this and been in these situations. All
3 with a little bit of flooding. What this does to the
4 roads. Again, there will be no evacuation.

5 So from day one I think power plants never
6 should have been built but now that they are here why
7 would we ever want to re-license. And as our
8 gentleman caller just said, I believe his name was
9 Thomas, he was very eloquent. He was stating the fact
10 why are we re-licensing them, what, 12 years ahead of
11 time. To me that is absurd. Like maybe a year before
12 or they have to do some studies, two years before.
13 Why do they want us, and I love Thomas's words,
14 rubber-stamp something? Twelve years beforehand to go
15 into what, 2024 for Unit 1 was it and 2029 for Unit 2?

16 Why do they need to push this licensing renewal?
17 You've got to stop and think. People, go home, think
18 about that. I'm not an expert like evidently our
19 caller Thomas was but again, I'm concerned about human
20 life. This is what I have at the top here. We are
21 talking about human life. What's more important, not
22 all this electricity that we need for all our cell
23 phones and everything. In a way we are responsible
24 for the fact that PECO and all these other Exelon
25 companies are building power plants. I myself you

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1 know am guilty of a lot of this but let's just maybe
2 for a solution besides the wind and solar power and
3 everything stop using all this new technology. Yes,
4 you need it for some jobs and businesses, it's good
5 for certain things, but let's not overindulge where we
6 need so much electricity that we are willing to risk
7 our lives. Cancer, polluted water. There's no
8 drinking water anymore. People have to pay to buy
9 water that comes from natural springs. But you're
10 using plastic bottles, you can't even trust that.

11 But this whole world has kind of just
12 changed from you know nature. Let's get back to
13 nature, let the -- instead of having all the young
14 teenagers on their cell phones texting, using more
15 electricity, that again it's going to cause cancer for
16 them. Everybody has to stop and think why do we need
17 the power plants? We really don't and again, Thomas,
18 our wonderful caller mentioned some alternatives like
19 the solar power, wind, but I'm just saying we are
20 using so much electricity and stupid little video
21 games on the computers. People get on the computers
22 for hours at a time doing nonsense. That's taking up
23 electricity where again why do you need all this
24 electricity? It could be causing cancer in your
25 children. I am not that old but I'm not that young,

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1 but I hate to tell you I have so many friends and
2 coworkers and people that are only 35, 40, 50 years
3 old, cancer. And why? We have to stop and think. Go
4 home, don't just always, you know, just go watch TV
5 and get on your computer. Stop and think what we're
6 doing to ourselves, our bodies, our children, our
7 grandchildren.

8 This is again, this licensing renewal is
9 coming down to human lives, the quality of our lives.

10 Again, why all this cancer? Microwaves and
11 electricity. So I won't go on and on, but I just
12 think us as a group can't just all be just complaining
13 about the power companies, we are the ones using the
14 electricity. That's all I'm saying. Maybe we should
15 cut back and we won't need power plants. Thank you.

16 (Applause)

17 FACILITATOR BARKLEY: Thank you,
18 Catherine. The next three people I'd like to call
19 would be Jeffrey Norton of the P. Energy Alliance,
20 then Bill Maguire and then finally Lorraine Ruppe.
21 Mr. Norton?

22 MR. NORTON: Good evening. My name is
23 Jeffrey Norton and I'm here to represent the
24 Pennsylvania Energy Alliance which is an independent
25 grassroots diverse organization made up of community

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1 leaders and organizations who promote nuclear power as
2 a clean, safe, reliable and affordable source of
3 power. I'm going to be making essentially five points
4 in support of license renewal for Limerick Generating
5 Stations and they are that, number one, nuclear energy
6 lowers electricity prices, it protects our environment
7 against greenhouse gases, it strengthens our local
8 economies and it is safe.

9 With regard to my first point in lowering
10 electricity prices the Limerick Generating Station has
11 reduced wholesale energy costs in Pennsylvania by \$880
12 million in 2010 thus lowering electricity prices for
13 all consumers. It operates around the clock thereby
14 stabilizing the nation's electricity distribution
15 system and the electricity marketplace. The average
16 electricity production costs at nuclear plants have
17 actually declined more than 30 percent in the past 10
18 years due to various efficiencies. Nuclear power is
19 cheaper to produce than other forms of electricity
20 generation such as coal and natural gas, and helps
21 moderate the price of electricity for consumers.

22 My next point is that Limerick Generating
23 Station and nuclear plants strengthen our local
24 economies and it is a valuable economic driver for the
25 Commonwealth of Pennsylvania. Limerick Generating

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1 Station contributes \$113 million annually in direct
2 economic contributions to the Pennsylvania economy
3 through various employee wages and salaries, purchase
4 of goods and services from other Pennsylvania
5 businesses and in property tax payments to the local
6 governments. Limerick Generating Station also
7 contributes generously as we've also heard and in fact
8 in 2010 contributed \$600,000 to various community
9 organizations. Limerick has over 800 full-time
10 employees and employs more than 1,000 skilled
11 temporary contract employees during annual refueling
12 outages. A significant percentage of the current
13 nuclear plant workforce will reach retirement age in
14 the next 10 years creating a demand for high-paying
15 jobs in the nuclear industry. Yes, Limerick
16 Generating Station is one of Pennsylvania's most
17 valuable economic and energy assets and the
18 commonwealth should embrace it.

19 My third point is that nuclear energy
20 protects our environment from greenhouse gases and
21 reduces the need to generate electricity from fossil
22 fuels. If Limerick Generating Station were retired
23 from service replacing the electricity would require
24 increased natural gas-fired or coal-fired generation.

25 Nuclear energy is the nation's largest source of

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1 carbon-free electricity and is critical to our
2 nation's environmental, security and energy goals.

3 My next point is that nuclear energy is
4 safe. It's always on, it's stable, it's a reliable
5 source of electricity and the station here at Limerick
6 has been built with multiple redundant safety layers.

7 And the workforce is committed to best practices and
8 continuous improvement. It is also important for our
9 nation's quest to be energy-independent. According to
10 the Bureau of Labor Statistics it's safer to work at a
11 nuclear plant than in industries such as
12 manufacturing, real estate and finance. And according
13 to the Department of Energy a person receives more
14 radiation exposure flying from Baltimore to Los
15 Angeles than by standing near a nuclear plant 24 hours
16 for a year.

17 On a personal note I've been inside
18 Limerick Generating Station several times. I've also
19 lived within 30 miles with my four boys and wife next
20 to the Limerick Generating Station and also Three Mile
21 Island. I feel safe, secure and comfortable. That is
22 why I'm in support of the re-licensing of the Limerick
23 Generating Station. Thank you very much.

24 (Applause)

25 FACILITATOR BARKLEY: Thank you. Mr.

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1 Maguire?

2 MR. MAGUIRE: Good evening. My name is
3 Bill Maguire and I'm the site vice president at
4 Limerick Generating Station and I have overall
5 responsibility for the safe and reliable operation of
6 the facility. A little bit about my background. I've
7 got 25 years of experience in the nuclear industry
8 starting my career at Limerick station as an engineer.

9 I went on to receive a license to be a senior reactor
10 operator at the plant and was involved in the direct
11 supervision of the operators of the plant and was the
12 on-shift manager of the facility for many years. I've
13 worked at a few other nuclear facilities around the
14 country in capacities such as operations director,
15 maintenance director, plant manager and was recently
16 the site vice president at the Peach Bottom Atomic
17 Power Station before coming back to Limerick station
18 in May of 2010.

19 Operating Limerick Generating Station
20 safely and reliably is a key responsibility for all of
21 the employees at Limerick Generating Station, one that
22 the folks at the station take very seriously as a
23 personal commitment to themselves and to the industry
24 and to the community at large. An important part of a
25 thriving community is safe and reliable electricity,

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1 and Limerick has been a part of that key aspect of a
2 thriving community for the last 25 years. And as we
3 look at the growing demand for energy, safe and clean
4 energy in the future for Pennsylvania and for our
5 nation Limerick is a key component of that future.
6 And we have petitioned the NRC through the license
7 renewal process to extend our operating license for an
8 additional 20 years.

9 The U.S. nuclear industry consists of 104
10 nuclear reactors and those 104 reactors provide
11 approximately 20 percent of the U.S. electrical
12 supply. And that's been a pretty steady number over
13 the years. Even though there haven't been a lot of
14 new nuclear plants brought onto the grid in those
15 years the plants continue to run more and more
16 efficiently, keeping up with the growing demand for
17 electricity. Seventy percent, or excuse me,
18 approximately 70 of the 104 reactors have already been
19 through the license renewal process and have received
20 approval for a license renewal.

21 Limerick Generating Station operates in a
22 manner that preserves the environment. We perform
23 over 1,700 tests per year that look at the water, air,
24 fish, land, cow's milk, vegetation and the like to
25 ensure that we are not adversely impacting the

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1 environment. We also maintain a chain of radiation
2 monitors around the plant to make sure that we do not
3 have an adverse impact from the operation of the
4 facility.

5 In 2005 the environmental management
6 systems at Limerick Generating Station received
7 certification under the strict criteria of the
8 International Organization for Standardization (ISO).

9 This is a common industry recognition and the
10 certification that we received credit for is ISO
11 14001. And this is an internationally recognized
12 benchmark for environmental management. And the ISO
13 14001 certification requires a commitment to
14 excellence not only in meeting our regulatory
15 requirements but also in the prevention of pollution
16 and to ensure continuous improvement in our
17 environmental systems.

18 In 2010 the Wildlife Habitat Council
19 recognized Limerick Generating Station's commitment to
20 environmental stewardship by awarding us the Wildlife
21 at Work certification. And this distinction was
22 awarded for our commitment towards establishing long-
23 term wildlife habitat enhancements that maintain food,
24 water, cover and space for animal species that are
25 living in the power station's landscape.

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1 To ensure Limerick continues to operate
2 safely for years to come Exelon continues to invest in
3 Limerick. Since 2010 over \$200 million of investment
4 has been made into new safety systems and the
5 reliability of our electric generation components.
6 And since 2001 over \$40 million have been invested in
7 our security systems.

8 Our investment in the future doesn't stop
9 with investment in equipment. We've hired over 100
10 new employees in the last three years and we maintain
11 a steady-state workforce of approximately 850
12 employees. And during our annual maintenance and
13 refueling outages that population grows temporarily
14 for about a month by another 1,500 to 2,000 employees,
15 bringing a boost to the local economy.

16 Over the past 25 years Limerick has been
17 one of the best performing and most reliable plants in
18 the nuclear power industry. During that time the
19 plant has set several records for continuous days of
20 operation and has been recognized by the industry for
21 our reliable performance. In March 2010 Limerick
22 completed a successful run of 727 continuous days on
23 our Unit 1 plant and this represented the second
24 longest continuous run for a boiling water reactor in
25 the United States. While we do not set out to break

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1 records, continuous operations are one indicator of
2 the excellent human performance and equipment
3 reliability that Limerick strives for every day.

4 We also take pride in our investments in
5 the community. In 2010 Limerick Generating Station
6 donated more than \$600,000 in the community in
7 contributions to the United Way, fire and ambulance
8 companies, educational, health and youth
9 organizations, and many of our employees serve as
10 volunteers in the local community and around the
11 plant. In conclusion, Limerick Generating Station
12 looks forward to working with the Nuclear Regulatory
13 Commission in the review of our license renewal
14 application. And we thank you for this opportunity to
15 address the public this evening. Thank you.

16 (Applause)

17 FACILITATOR BARKLEY: Thank you.
18 Lorraine?

19 MS. RUPPE: Hi, my name is Lorraine Ruppe.
20 Thanks for letting me talk again this evening. I am
21 speaking here tonight to represent the children and
22 future generations, especially in our community.
23 Residents here are fearful about the possibility of
24 disasters here in light of Fukushima in March 2011 and
25 since the earthquake and Hurricane Irene in August

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1 2011 affecting our area. Climate changes, et cetera,
2 are causing disasters everywhere and continuing to get
3 worse. Increasing floods, droughts, earthquakes,
4 tornadoes have made us all feel insecure making
5 nuclear power increasingly risky, especially with the
6 Limerick plant basically in our backyards. Any
7 earthquake that comes through this area could be a
8 possible Fukushima, Chernobyl or Three Mile Island.
9 Four months had passed since the NRC failed to get
10 back to me when I asked how close the Ramapo fault
11 line is to the Limerick nuclear reactors. I was told
12 today earlier to call Andrew Rosenbaum so I will
13 hopefully receive that information.

14 Indian Point nuke plant was sketched as a
15 possible terrorist target in reference to the 9/11
16 attacks. A suspected terrorist worked at Limerick for
17 years without the industry knowing it. How scary is
18 that?

19 The Pacific Ocean is now severely
20 irradiated by Fukushima. Radiation impacts of
21 Fukushima equaled over 20 Hiroshima bombs when I last
22 researched. Our drinking and bathing water here is
23 being continuously polluted by Limerick every day,
24 24/7, for years with radiation and unfiltered toxic
25 contaminated mine water thanks to the NRC and Exelon.

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1 This is disgusting. Most of us have to depend on
2 this water, especially for bathing. Some of us pay
3 extra for water filtration or drink bottled water
4 because we are afraid to drink from the Schuylkill and
5 because it tastes really bad now. Imagine how toxic
6 it would be 18-plus years from now even if there is
7 any water left.

8 There has been increased particulate
9 matter in the air and other toxics from Limerick
10 causing increased asthma, heart attacks and strokes.
11 And to add insult to injury Limerick was granted a
12 permit to allow an eightfold increase in air pollution
13 since 2009. Cancer rates in our area have skyrocketed
14 since Limerick has been up and running in the '80s and
15 rates have steadily increased. The Tooth Fairy
16 Project showed high levels of strontium-90, a
17 radionuclide, in the baby teeth of children living
18 nearest to the nuclear plants. Baby teeth near
19 Limerick plant had the highest levels in the whole
20 United States. So all this stuff and God knows what
21 else is in our bodies now thanks to the Nuclear
22 Regulatory Commission that, to put it nicely, is less
23 than enthusiastic about protecting us.

24 Solar wind, geothermal, ocean thermal,
25 energy conservation and efficiency are now cheaper

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1 than nuclear power along with being clean and safe.
2 The Department of Energy 2006 report stated that solar
3 alone could provide 55 times our entire nation's
4 energy needs which leads me to the point: there have
5 been numerous studies proving the many dangerous and
6 deadly consequences of nuclear power. There is no
7 denying the massive devastation it has already caused
8 and will continue to cause indefinitely. But the
9 industry still goes on in their trance-like
10 indifferent fashion as if everything is safe and
11 wonderful and will continue to be 18-plus years from
12 now on until 2049 for our community.

13 This is what really scares us the most.
14 This is beyond unethical behavior from the industry.
15 The NRC has turned into a culture of secrecy, hiding
16 the dangers and sweeping the problems under the rug.
17 The industry's addiction to money and power have
18 blinded them to moral life and death issues and facts
19 set right in front of their faces. But my big
20 question of the day is why is Exelon applying for an
21 extension 18 years ahead of time. Thank you.

22 (Applause)

23 FACILITATOR BARKLEY: Okay, thank you. We
24 have had seven people speak and we have six more who
25 signed up for the remainder of the evening. The next

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1 three people I'll call are Donna Cuthbert, followed by
2 Mike Gallagher and then followed by Dr. Fred Winter.
3 Okay, Donna.

4 MS. CUTHBERT: You know, after hearing
5 some of these gentlemen speak tonight I feel like I'm
6 living in fantasy land. For somebody to get up here
7 and actually say that there's no adverse impacts from
8 Limerick nuclear power plant is insanity. It is
9 unbelievable. I have spent the last 11 years
10 reviewing permits from Limerick nuclear power plant.
11 They are a major air polluter under the Clean Air Act
12 and to say they're not doing it anymore, they just
13 asked for the conditions that would allow an eightfold
14 increase in dangerous air pollution that actually is
15 claimed to kill people, thousands of deaths per year.
16 And they asked for an eightfold increase.

17 As a matter of fact, these are all the air
18 pollution sources and the pollutants they list in
19 their own permit. If you add that to all the
20 radiation emissions there's a broad range of
21 radionuclides. For somebody to just claim that it's
22 only tritium going into the water is insanity. It's
23 unbelievable what they expect people to believe. I
24 encourage everybody to go back to the table we have
25 and take a good look at that Schuylkill River board.

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1 They are destroying the Schuylkill River. There was
2 never enough water in the Schuylkill River to sustain
3 this nuclear plant from the very beginning and now
4 we're seeing the consequences of that and they put
5 more and more pollution in it. They want to pump mine
6 water in to supplement the flow for Limerick. It's
7 contaminated and they don't filter it. And they're
8 actually asking for a huge, four times Safe Drinking
9 Water standard increase in total dissolved solids
10 which carry a lot of toxic pollutants. So they put
11 radiation into the river 24 hours a day, 365 days a
12 year, and now they're asking for these huge increases
13 and people have the nerve to get up here and say that
14 they have no environmental impacts. Frankly I've had
15 enough of this deception at the expense of public
16 health. I am sick of it.

17 The facts show, when we looked at Exelon's
18 thing for environmental harms they say they were clean
19 energy. The facts show Limerick isn't clean, it is
20 filthy. It's not safe, it's a ticking time bomb. And
21 nuclear power, they say it's always on. That's not
22 true either as evidenced by shutdowns, some for long
23 periods caused by earthquakes, tornadoes, hurricanes,
24 fires, heat and drought and more. It clearly isn't
25 always on in Japan. So when you take all of this

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1 together and you look at all the ways that they
2 pollute our environment with radiation and all the
3 other toxics, every day Limerick operates our children
4 face more risk. And that's what it's all about. It's
5 about the health of our region.

6 The sooner this place closes the better
7 off we'll all be. Even if you look at infant
8 mortality rates we have higher infant mortality rates
9 and neonatal mortality rates far above state averages
10 and even above Philadelphia and Reading, and we've had
11 these for quite awhile. The fact is when babies are
12 the most vulnerable in the womb what else would we
13 expect? And by the way, for those of you who have
14 been saying that ACE data is anecdotal today I have
15 news for you. This infant mortality report for
16 example is state data reported by EPA in 2003. Every
17 cancer statistic that you see back there is based on
18 Pennsylvania Cancer Registry statistics or CDC
19 statistics. So it is not anecdotal, those are the
20 cancer increases, those are the cancer above the
21 national average that have happened here since
22 Limerick started operating. That is a fact.

23 So it's not anecdotal and the fact of the
24 matter is I thought this was about the environment but
25 apparently it's about money. So I decided that

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1 between the sessions I was going to change things
2 around a little bit. I could talk about the
3 environmental impacts of this place for a whole week
4 it's so bad. And I've got all the documents in our
5 office to prove it. Let's talk about, let's take a
6 minute now though and we're going to talk about the
7 cost. What is this place actually costing us? Let's
8 just think about cancer for example. We have so many
9 cancers above the national average. Childhood cancer,
10 92.5 percent higher than the national average. Think
11 about that. We track the cost of one child with
12 cancer diagnosed at six months to two years and up
13 until that time it was \$2.2 million. How many more
14 kids have that above the national average? Cost that
15 out and how many other cancers are above the national
16 average? You do the math. Figure that out.

17 How about the customers that paid -- I
18 hear them talk about how great the costs are for
19 Limerick. We paid for Limerick from 1985 to 2010 in
20 our electric bills. And in fact the electric that was
21 supposed to be too cheap to meter turned out to be 55
22 percent above the national average by 1997. So that's
23 how cheap Limerick electric is.

24 Then you take the property taxes. They
25 tried to get zero for their property taxes by the end

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1 of the '90s and didn't pay any property taxes until
2 the early 2000s at which time they paid \$3 million
3 instead of the \$17 million they were supposed to pay.

4 So when you think about that no wonder Exelon's
5 willing to throw around a couple million in the
6 community. They owe this community a lot more than
7 what they're giving out.

8 (Applause)

9 MS. RUPPE: So then there's the cost for
10 the pollution they're putting in the river. They're
11 asking for increases in pollution. They want to put
12 more mine water in. They want to increase the total
13 dissolved salts. That's going to cost water treatment
14 systems a lot of money to try to -- for extra
15 treatment for that. It can even break down their
16 equipment, some of the stuff that's coming out of the
17 mines. And when you think about it who actually
18 ultimately pays that cost? We do. We pay for
19 increased costs for our water because they're having
20 to do that at the water treatment systems. And it
21 seems to me that if you really take a good look at
22 things Limerick has got to be the major cause for the
23 radiation in Philadelphia's water.

24 So all in all taken as a whole this place
25 has unprecedented environmental harms. There is no

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1 question about that. Anybody that doesn't believe it
2 come look at the permits with me and I'll show you
3 exactly what's going on. I invite anybody to do that.

4 And the one thing that's really important
5 is that NRC and the nuclear industry are claiming that
6 age is no issue while at the same time they admit that
7 some parts are too big and too expensive to replace.
8 I frankly am really concerned about NRC accommodating
9 the nuclear industry with weakened regulations, lax
10 enforcement, negligence and unsubstantiated denials.
11 It's happened right here even with their fire safety
12 regulations that are -- we're on weakened fire safety
13 regulations even though we know that that can
14 eventually lead to a meltdown. I know my time's up.
15 Thank you.

16 (Applause)

17 FACILITATOR BARKLEY: Thank you, Donna.
18 Mike?

19 MR. GALLAGHER: Okay, good evening. My
20 name's Mike Gallagher and I'm vice president of
21 license renewal for Exelon. I have the overall
22 responsibility for the Limerick license renewal
23 application. Exelon has a great deal of experience in
24 license renewal. We've obtained renewed licenses for
25 the Peach Bottom and TMI plants in Pennsylvania, also

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1 our Oyster Creek plant in New Jersey and our Dresden
2 and Quad Cities plants in Illinois. Just briefly
3 about myself, I've been working in the nuclear power
4 industry for 30 years. I was a licensed senior on a
5 reactor operator at Limerick and also the plant
6 manager at Limerick previously. I've worked at two
7 other nuclear facilities and in our corporate offices.

8 So Mr. Maguire, the site vice president of
9 Limerick, spoke about the reasons for renewing the
10 license for Limerick. I'd like to speak to you
11 briefly about the process that we took for preparing
12 this license renewal application and the amount of
13 work and engineering analysis that we put into
14 preparing the application.

15 So because the Limerick Generating Station
16 can be operated safely and reliably Exelon decided to
17 pursue license renewal. So Limerick is a very clean
18 energy source. It produces no greenhouse gases.
19 Limerick is also good for the economy in that it
20 lowers market prices of electricity for the citizens
21 of Pennsylvania to the tune of \$880 million per year.

22 So in 2009 we announced our intention to
23 seek license renewal. Later that year we started the
24 work necessary to prepare the application. After over
25 two years of work we submitted the application to the

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1 Nuclear Regulatory Commission on June 22nd, 2011. The
2 application when you print it out is about 2,100 pages
3 and when you put it in binders it's three large
4 binders. That's a huge amount of information but that
5 only represents a small part of the work that was done
6 for the engineering analysis to prepare this
7 application. The total amount of engineering analysis
8 that we produced if printed out would be about 290
9 binders of information. We invested over 60,000 man
10 hours of engineering work to prepare the application.

11 Once completed our engineering work to
12 prepare the application we brought in experts from
13 outside Exelon to review the application to ensure
14 that it was complete, thorough and accurate. Our
15 total cost to prepare the application and get it
16 reviewed by the NRC will be about \$30 million.

17 So there are two parts of this
18 application. It's the safety review and the
19 environmental review. For the safety review we took
20 an in-depth look at the history and the condition of
21 the safety-related equipment in the plant. We did
22 that to determine whether the necessary maintenance
23 was being performed on that equipment and to make sure
24 that this equipment will be able to operate an
25 additional 20 years of operation.

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1 So when you look back at Limerick when it
2 was built all the equipment was new. It was
3 thoroughly tested to make sure it performed properly
4 but like anything else equipment does age. That
5 doesn't mean it won't work but it does age and certain
6 activities need to be done with that equipment so we
7 perform preventative maintenance. We refurbish
8 equipment. We replace equipment. There's
9 modifications done to upgrade the equipment in the
10 plant. And in fact, as Mr. Maguire had stated
11 Limerick has spent over \$200 million in the last two
12 years to improve and modernize equipment and enhance
13 plant operations and safety.

14 We also reviewed the calculations that
15 were performed as part of the original design basis of
16 the plant that were done to ensure that the plant
17 could operate for 40 years safely. We analyzed those
18 calculations and were able to confirm that the plant
19 would be able to operate safely for up to 60 years.
20 So overall our conclusion from our engineering review
21 was that Limerick could operate safely for up to 60
22 years.

23 We also took a look at the environmental
24 impacts of continuing to operate Limerick. We looked
25 at all aspects of continued impact of the plant on the

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1 environment. Our conclusion is that the impact on the
2 environment are small and I use the term "small" in
3 the sense that's in the regulation. The regulation
4 defines "small" as the environmental effects are not
5 detectable or are minor. We also reviewed the
6 alternatives if Limerick would not have its license
7 reviewed and another source of electric generation
8 would have to be installed either onsite or someplace
9 to generate the replacement electricity. We concluded
10 that any other means of generation, the replacement
11 electricity would have more of an impact on the
12 environment than the continued operation of Limerick.

13 So for example, if Limerick could be replaced by a
14 wind generation facility the wind farm would have to
15 occupy between 10 and 40 percent of all the land in
16 the state of Delaware and its associated land impacts.

17 If a solar facility could replace Limerick it would
18 need to cover 32 to 50 percent of the entire land area
19 of Montgomery County.

20 So in conclusion we operate Limerick
21 safely and can continue to operate safely for an
22 additional 20 years. Limerick will provide
23 approximately 2,340 megawatts of base load electric
24 generation that's not only safe but clean, reliable
25 and economical. Continued operation of Limerick will

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1 benefit this community, the Commonwealth of
2 Pennsylvania, and our nation. Thank you.

3 (Applause)

4 FACILITATOR BARKLEY: Thank you. Go
5 ahead, Fred.

6 DR. WINTER: Thanks. That's fine. Good
7 evening, folks. As a physician practicing radiology
8 for over 50 years I still have a strong concern about
9 cancer sensitivities from harmful radiation exposures.

10 Now my medical colleagues are sharing the same
11 concerns because we have seen our cancer rates
12 increase since the Limerick power plant started as
13 Donna was saying.

14 Now especially the Pennsylvania thyroid
15 cancer rates are the highest in the United States,
16 according to the National Centers for Disease Control,
17 jumping to 78 percent higher here than in the national
18 average everywhere. Now, some of my friends have
19 argued with me and they say Fred, the reason why we're
20 having so many more cancers is because people are
21 getting so much older. Well, I don't think that makes
22 sense because there are other areas like Pottstown
23 around with the same healthy environment that don't
24 have nearly this high cancer rate. So that doesn't
25 make sense.

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1 Now, you wonder why some of our medical
2 and cancer fundraisers haven't reacted with more
3 responsibility in order to stop what's happening.
4 Yes, we are creating our own kind of terrorism. It's
5 the same, almost a form of terrorism by allowing all
6 these harmful exposures to exist. Now, I attended in
7 Japan a Hiroshima clinic right after World War II when
8 I was in the service. Excuse me. I have to sit down?

9 Oh. Anyway, when I was in the service at this
10 Hiroshima clinic after the atom bomb hit and you can
11 just imagine what I saw and what awful memories I
12 have, particularly of little kids that were going to
13 die any day and so many people injured. Anyway, it
14 left me with very sad memories. Now I can't help but
15 worry about our kids who are actually more vulnerable
16 than adults. And of course what is happening here
17 will be taking a lot much longer to happen than what I
18 saw but it sure is not good.

19 Besides harmful power plant exposures we
20 have environmental disasters and a concern about our
21 nearby earthquake fault and others in the eastern U.S.

22 And then there are radioactive spent fuel materials
23 that somebody mentioned sitting around but supposedly
24 protected.

25 We can't control the use of nuclear power

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1 in the rest of the world. Everywhere nuclear power is
2 being used. Now I don't know whether -- by the way, I
3 should remind you that there are some scientists who
4 are predicting that it may take a little while, maybe
5 a hundred years, but they're predicting that mankind
6 will be completely destroyed by the effects of nuclear
7 energy. That's saying a lot, I know.

8 So please ask your reliable politicians to
9 close the Limerick power plant. Let's save America
10 for our kids and our descendants if this ever happens.

11 So I hope you will take my concerns seriously. And
12 thank you for listening.

13 (Applause)

14 FACILITATOR BARKLEY: Thank you, Dr.
15 Winter. We have four individuals who would like to
16 speak before the meeting is over with so let me call
17 all four in this order. Dan Ely to start off, then
18 Jim Beckerman, then Dr. Lewis Cuthbert, and then
19 finally Jim Derr. So Dan, are you still here?

20 MR. ELY: Thank you, Rich. It's
21 pronounced Dan Ely. I'm a resident of Limerick. We
22 are pigs. We are energy pigs. Nuclear power is a
23 great resource for us. It is particularly clean and
24 in this day and age of understanding about carbon
25 dioxide and the effect on our environment it's a very

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1 important part of what we should consider. When I
2 went away to college to study physics I realized,
3 well, maybe I should be in nuclear engineering and get
4 into this sea. And I'd look at my elementary physics
5 book, elementary particle physics book and it looks
6 like hieroglyphics to me today.

7 I worked at Limerick nuclear power plant
8 and I worked for Bechtel Power Corporation in building
9 that plant. And I worked in quality assurance.
10 Quality assurance has been my life. It's very
11 important to understand that in the design of a
12 nuclear power plant there are criteria that are used,
13 particularly any engineer who has studied properly
14 knows failure mode effects analysis has to be done to
15 evaluate what possible effects come out of an incident
16 at any design, whether it's an automobile design or
17 any other design. And I have to ask because I read
18 most recently that the earthquake that occurred with
19 an epicenter in Virginia, the closest nuclear power
20 plant I understood actually took a Richter reading
21 that was higher than what the design criteria for the
22 failure mode effects analysis would have predicted.
23 It withstood that. I don't know, Bill, do you know
24 that? Did you understand that, that that was a
25 published fact?

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1 FACILITATOR BARKLEY: We have an
2 inspection ongoing at that point right now regarding
3 the North Anna facility. So yes, it did experience an
4 earthquake beyond its original design. So far the
5 inspections have revealed no -- minimal damage. I've
6 only heard of one piece of equipment that experienced
7 even visible signs of problems. But the overall
8 analysis, this is continuing and the licensee has to
9 have permission from us to restart after an extensive
10 inspection.

11 MR. ELY: My concern is that this hastened
12 license renewal process is inappropriate for
13 engineering reasons. I worked in a variety of
14 different areas in the construction of that power
15 plant and there were continual deviations that were
16 provided, whether it was in-storage maintenance
17 monitoring of the condition of the components that
18 were used to the actual construction of that plant. I
19 could cite you several examples.

20 What I would like to ask of the public is
21 that the people that had worked at that nuclear power
22 plant take a look at this licensing renewal and
23 understand that they need to review those failures and
24 those deviations that were provided to go ahead with
25 the construction of that plant with non-conformances

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1 that were reviewed, but not reviewed in light of what
2 we understand and know today about earthquakes or
3 other anomalies. We need to have enough time to make
4 the evaluation on those deviations. The cooling
5 pools. The fuel pool girders that are placed there.
6 There are rebar concrete reinforced supports where a
7 quality engineer, he was supposed to be accepting the
8 very highest grade of concrete to be placed in a 36-
9 hour pour there and he didn't pay attention. And the
10 cofferdam was being built down in the river and up
11 comes this sand mix with a very low strength and gets
12 pumped up into those fuel pool girders in a layer and
13 the engineer said well, boy, that was a terrible
14 mistake, but it'll be okay. We need to go back and
15 take a look at all of those mistakes and make sure
16 that they're not written off because a layer in a
17 structure under load caused by an earthquake, that's
18 an issue. It might not be an issue for the strength
19 of the fuel pool girders to support those fuel pools
20 that when we see them in Japan and they catch fire
21 because they're extremely hot and you need to address
22 that. I was on that pour but I wasn't the engineer
23 that made that error, but there's a number of errors
24 that were made. And I don't see or understand that
25 the NRC or the review or the licensing application is

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1 taking a look at those failures and those errors and
2 addressing them in light of the knowledge that we have
3 today.

4 Some people don't understand about
5 radiation and I read when the Japanese thing occurred
6 and I heard on the news a radiologist talking about
7 oh, the radiation is such a low amount. It really
8 isn't the low amount of radiation exposure that we get
9 incidentally in standing next to a nuclear power
10 plant. It's three ten-thousandths of a gram of
11 plutonium that is death for you if you breathe that
12 dust particle. It's almost certain death. And the
13 problem becomes you can't have -- and it's not going
14 to be a nuclear bomb. It's going to catch on fire if
15 the fuel pool girders were to fail and you'll have a
16 cloud of a material that in and of itself you might
17 not have radiation exposure to it but that particle
18 when it deposits itself can be an issue much the same
19 as fluoride is what causes thyroid cancer when it's a
20 radioactive fluoride. That's why we're very careful
21 in building a plant with no Teflon and no fluoride
22 components.

23 So we need to pay attention to some of
24 that engineering and I'm not certain that that's being
25 done. I'd like to see an agency or for somebody to

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1 contact me if they know about a variety of different
2 flaws that they saw during the construction. And my
3 email address is asqchair@yahoo.com. Yes, I will be
4 the chair of the Philadelphia section of the American
5 Society for Quality coming up and I've been past chair
6 in the past so yes, I'm very quality-oriented and I'd
7 appreciate any feedback from people that have issues
8 with that construction. Thank you.

9 (Applause)

10 FACILITATOR BARKLEY: Okay. Thank you,
11 Dan. Jim Beckerman?

12 MR. BECKERMAN: Good evening. My name is
13 Jay Beckerman. I'm a resident of Phoenixville. I
14 found out about this meeting because I scan a lot of
15 newspaper websites. I found the notice of the meeting
16 on the West Chester Daily Local website. Didn't find
17 it in the Phoenixville paper, didn't see it in the
18 Philadelphia newspaper, didn't hear about it on any of
19 the local radio stations, didn't hear about it on
20 cable, didn't hear about it on any of the television.

21 Once a month, what is it the first Tuesday
22 about 2:00 I hear the siren that we all hear. What
23 should happen in terms of people getting notice is
24 everybody who's within the plume area should something
25 happen at Limerick should find out about this meeting

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1 and I seriously doubt that that actually happened. I
2 think it was pure accident that I found it. Something
3 as serious as license renewal should get the same kind
4 of outreach that occurs when Limerick does what it
5 should which is to mail out every year or two to all
6 of the possibly affected homes the maps and the
7 notifications of how do you evacuate. If you're going
8 to renew a plant which happens once every 20 years I
9 don't understand why the NRC doesn't require the same
10 kind of outreach public notification so people get a
11 chance to come to one-time meetings like this. I
12 think that is a basic flaw in the NRC's licensing and
13 re-licensing procedure and I think it should address
14 that.

15 The slide behind me documents exactly two
16 libraries that the documents are going to go in. Why
17 not in my library in Phoenixville? Why not in
18 Montgomery County and Norristown and all of the other
19 public libraries that are in areas that can be
20 affected by the plume should something happen here?
21 Why are the documents in such a restricted area?

22 I'd like to switch a little bit. I've
23 been researching, I didn't even know about this ACE
24 organization. Glad to find it. I've been researching
25 on my own information about nuclear power plants and

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1 their risks for quite awhile. An organization I ran
2 across published this book titled Insurmountable
3 Risks. The organization is called the Institute for
4 Energy and Environmental Research. It's an amazingly
5 well-researched book. I doubt very many people have
6 read it but you should. This organization is at least
7 as interested in alternative energy sources as it is
8 in having put the effort in to document what are the
9 problems with nuclear power engineering-wise. The man
10 who's head of this organization is a nuclear
11 scientist, a guy named Arjun Makhijani. He's a PhD
12 nuclear scientist. These are first-class researchers,
13 this is PhD-level stuff written for popular
14 consumption. So I'll be glad to make more detail
15 about the book available to anybody who wants to know.

16 A few questions I have, one that I've been
17 thinking about for a long time. I wonder how many
18 people here are aware of something called the Price
19 Anderson Nuclear Industries Indemnity Act. Who knows
20 about that? The title alone should give you some
21 pause. Why do we need a nuclear industries indemnity
22 act? What does it do? What it does is it puts a
23 ceiling of a few hundred million dollars on the
24 liability that nuclear power plant owners have for the
25 damage their plants would cause. It's basically a

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1 scheme, they pay into a pool. The problem is that
2 ceiling was set a very long time ago. It's totally
3 unrealistic in terms of the risk in just the value of
4 houses in areas that are covered by a plant like this.

5 When this plant was planned the population in the
6 area that its plume would cover probably wasn't 20
7 percent of what the population is now. That is I
8 think a valid environmental concern. The environment
9 in which this plant operates has changed because of
10 in-migration, population increase for all sorts of
11 reasons. Part of that's been discussed tonight in
12 terms of evacuation routes, would you be able to get
13 people out were there an accident. The roads haven't
14 changed very much, the population has. That I think
15 is a valid environmental concern that surely ought to
16 be addressed.

17 The question I ask about the money
18 liability is -- let's just go back to the Price
19 Anderson Act. The fact is that the nuclear industry
20 does not pay market rates for insurance to cover it
21 for the liabilities. This congressional act from way
22 back in the 1960s eliminates that need. Back then the
23 insurance industry didn't have the research to put a
24 price on what should the Limericks of the world have
25 to pay for a liability policy. I think there's plenty

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1 of insurance industry experience now. So my question
2 would be if nuclear plants are so safe why do we need
3 the Price Anderson Act?

4 (Applause)

5 MR. BECKERMAN: I listened, I'm going to
6 switch subjects again. I listened to Mr. Gallagher
7 and I heard something I really didn't expect to hear.

8 He said that their studies said that this plant is
9 now safe to run for 60 years. That sounds to me like
10 advanced notice to the public that this isn't the
11 first renewal they're going to ask for on this plant.

12 Mr. Gallagher, are you going to ask for another one
13 20 years from now?

14 FACILITATOR BARKLEY: We haven't had any
15 licensee at this point in time ask for something
16 beyond that.

17 MR. BECKERMAN: You didn't make the
18 statement. Mr. Gallagher did.

19 FACILITATOR BARKLEY: I know and I'm not
20 going to have him address this from the audience.
21 This is a meeting with us.

22 MR. BECKERMAN: And I would like to
23 finally address an issue that the speaker on the cell
24 phone brought up. He talked about embrittlement of
25 concrete over the lifetime so far of the nuclear

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1 reactor containment vessel. That's an internal
2 environmental matter. I don't know if it's quite in
3 the scope of what the NRC plans to talk about or plans
4 to look at, but something that I have not read about
5 at all is an NRC requirement for destructive testing.

6 For instance, if you want to know what a tree looks
7 like on the inside you put a borehole in it and you
8 pull a core sample out and you find out what that tree
9 looks like on the inside. If an engineer wants to
10 know what is the quality of the concrete that was
11 poured for a road -- I used to work for Florida
12 Department of Transportation -- they bore out a sample
13 and then you take a look at it. What I haven't heard
14 anything about except generalizations is has anybody
15 done any destructive even borehole testing of these
16 containment vessels and their support pourings to find
17 out has there been in fact any deterioration of the
18 concrete, the rebar and anything else that went in
19 there. The stuff that's buried in the concrete, the
20 wire, all of those things that are buried in the
21 concrete. If you haven't bothered to open that stuff
22 up since the plant was built how on earth do you know
23 what condition it's in? Shouldn't that be a
24 requirement to do some destructive, open the bottom
25 testing, go all the way through and make sure what you

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1 think is there is what's there and in the condition
2 that it should be in to last for another 20 or 40
3 years? So these are questions that I'd like the NRC
4 to go into. I thank you very much for listening.
5 Overall it's been a very informative presentation by
6 both the proponents and people who have questions and
7 I thank you for the opportunity. I would like to see
8 a meeting like this occur at a bigger venue with more
9 notice. An example would be, as I've discussed with
10 Ms. Regner is it?

11 FACILITATOR BARKLEY: Regner, yes.

12 MR. BECKERMAN: I didn't have her name
13 correct. The Philadelphia Expo Center would be more
14 central to where the plume area for this plant is.
15 It's right off 422. This is not hard to get to,
16 that's not hard to get to. It's much more in the
17 center of the population. Thank you very much.

18 (Applause)

19 FACILITATOR BARKLEY: Okay, thank you.
20 Mr. Cuthbert? Again, following Mr. Cuthbert's remarks
21 it'll be Jim Derr to wrap up the evening.

22 DR. CUTHBERT: Good evening. My name is
23 Dr. Lewis Cuthbert. I'm the president of ACE, the
24 Alliance for a Clean Environment. And my comments
25 this evening are going to differ from this afternoon

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1 because they're going to be focusing on as a general
2 topic documented evidence. We've heard a lot of
3 assertions, assumptions and claims throughout the day
4 many of which would be very difficult to substantiate
5 in our experience. Based on an 11-year investigation
6 conducted by the Alliance for a Clean Environment we
7 have formed a conclusion that we are presenting to the
8 Nuclear Regulatory Commission today and that is very
9 simply that Limerick nuclear power plant must be
10 closed by the NRC, not re-licensed until 2049. And
11 that's based on a substantial body of evidence in
12 terms of documented environmental harms, threats and
13 risks that have in fact gotten into our air, our
14 water, our soil, our food, our milk and our children.

15 The evidence is not refutable.

16 So I'll be presenting as part of my
17 remarks tonight what I'm calling a short list of 14
18 reasons why the NRC may feel free to with more than
19 adequate justification deny this permit. And I'm
20 going to categorize each of them very briefly without
21 any further description or analysis. The evidence
22 comes from a variety of permits, official records and
23 reports, and Exelon's own renewal application which is
24 sizable by their own admission and in our experience
25 in taking a look at it.

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1 The 14 items any of which in our judgment
2 should be adequate and sufficient to deny this permit
3 renewal include, number 1, radiation into air and
4 water from routine and accidental emissions. Number
5 2, major air pollution under health-based standards of
6 the Clean Air Act. A Title 5 permit being issued to
7 this facility means by definition that they are a
8 major air polluter under the federal Clean Air Act.
9 Number 3, Schuylkill River depletion and major
10 drinking water contamination. Keep in mind this is a
11 vital drinking water source for nearly 2 million
12 people from here to Philadelphia. Number 4,
13 radioactive groundwater contamination. Number 5,
14 radiation reporting levels increased dramatically
15 after the Fukushima Japan disaster. Number 6,
16 documented alarming cancer increases especially in our
17 children since Limerick started operating. Number 7,
18 deadly high-level radioactive wastes that are packed
19 in vulnerable fuel pools on this site and they are in
20 fact unprotected. They are above ground and
21 unprotected. Number 8, lax fire safety regulations
22 and multiple violations. Number 9, accidents and
23 leaks from corroding, deteriorating equipment plus
24 miles of buried pipes and cables. Many problems and
25 shutdowns have already occurred at this facility in

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1 its first 26 years of operation. They are a matter of
2 record. Number 10, increased risk of meltdowns from
3 more frequent and stronger earthquakes and other
4 natural disasters such as tornadoes and floods, not to
5 mention mechanical failures. Number 11, threats from
6 unguarded terrorist attacks with planes and missiles
7 and a new threat, cyber attacks. Fuel pool are
8 vulnerable to attack.

9 Number 12, one that I think probably
10 should jump to the head of the list for the NRC based
11 on a lot of comments from a lot of other analysts and
12 elected officials, the need for an updated evacuation
13 plan and increased EPZ, a 10-mile radius. This plan
14 is seriously outdated. It is by many expert's
15 observations fatally flawed. There will be no
16 evacuation in the event of a worst case scenario.
17 Several people spoke to that this evening. The
18 population in this area has increased more than 180
19 percent since 1980 to 2010, U.S. Census data. Updates
20 are obviously needed and they should be reasonable,
21 comprehensive, detailed and accommodate all of the
22 demographics from 1985 to today and from today until
23 as far out as the NRC is willing to license this
24 facility.

25 Number 13, increased cost to the public.

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1 We've heard a little bit about this this evening, more
2 cancers, more illnesses, more emergency room visits,
3 more hospitalization from increased PM-10. Massive
4 research on what particulate matter in terms of PM-10
5 does to human beings. And there are a few other
6 things that contribute to those visits. The costs are
7 astronomical. One case that Donna mentioned, \$2.2
8 million for a childhood cancer case. You do the math.

9 And number 14, the last item on my list.
10 We have had 26 years of insults to our environment,
11 and I choose that word purposely, insults to our
12 environment and costly nuclear power. We can replace
13 it with safe, clean, renewable energy before 2029.
14 That is a matter of scientific fact.

15 It is a scientific certainty that harms,
16 threats and risks to our environment and to our
17 community will increase continuously daily until
18 Limerick's current operating licenses expire in 2029.

19 It would be both unethical and irresponsible for the
20 NRC to cavalierly approve a license renewal without
21 the most rigorous review and justification in the
22 history of this agency. NRC, you have a rare
23 opportunity before you that most people and agencies
24 never are afforded. It's called a do-over, a chance
25 to correct a litany of mistakes and errors associated

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1 with this facility and with your agency since 1985.
2 Twentieth century technology and infrastructure are no
3 longer sufficiently reliable for any of you to assure
4 us that there is nothing to fear and nothing about
5 which to be concerned. Denial of documented evidence
6 is no longer an option. We'll be submitting
7 additional packets of research documentation and
8 evidence tonight along with my comments which will
9 compliment what I did earlier today. The major
10 categories that you'll be getting for additional
11 reading and review, meltdown threats, evacuation
12 plans, Exelon's inaccurate and unsubstantiated claims
13 and a criticism of the NRC's oversight track record in
14 this community. Thank you very much and please accept
15 this for review.

16 (Applause)

17 FACILITATOR BARKLEY: Okay, thank you, I
18 will. Thank you. Mr. Derr?

19 MR. DERR: Good evening. I thought I
20 would add some comments just to make sure my
21 understanding is that this is essentially the NRC's
22 opportunity of listening for things specifically to be
23 included in the environmental site review of the re-
24 licensing. And just a few things which are question
25 marks that lots of folks in the community I think will

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1 be interested in. Most of these have been touched on.

2 Mine water issue, better defining that
3 quality and flow particularly in light of the likely
4 pending changes in stormwater concerns and regulations
5 in the area. Adding that flow to the Schuylkill is
6 going to affect all the municipalities around here who
7 have to deal with stormwater.

8 The emergency planning is an area which
9 needs to be seriously looked at. Hard and soft
10 infrastructure on that. Hopefully that's something
11 which is part of the ongoing operational requirements
12 for periodic review and update since obviously this is
13 not a static environment we live in. That has to be
14 changed on an ongoing basis. And then to -- I'm sure
15 that the generic plan includes a pretty good
16 discussion of fuel storage long-term and short-term
17 onsite but certainly the site-specific fuel storage
18 considerations. And I want to second the comments by
19 Mr. Ely of review of records of non-conformances and
20 anything that was done is part of the initial
21 construction record. And basically that's -- those
22 are the things that we're going to be looking for a
23 better understanding of. Thank you.

24 (Applause)

25 FACILITATOR BARKLEY: I did have one last

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1 request for an individual to speak. She promises
2 she'll only be two minutes so we'll have her up and
3 then we'll wrap up the meeting. Thank you.

4 MS. CONFER: Hi, my name is Traci Confer.

5 I'm with Energy Justice Network. We support clean
6 energy which we do not believe nuclear is. I would
7 like to put our name behind all of Buzz Cuthbert's
8 comments and I want to add that I want the NRC to look
9 into potential water depletion issues from shale gas
10 fracking upriver in both rivers. I also think that it
11 would be very prudent to put a lot of attention on
12 terrorist attacks on the fuel pools. And those are my
13 primary comments. Thank you for your time.

14 (Applause)

15 FACILITATOR BARKLEY: Okay, thank you.

16 With that I'd like to have Lisa Regner come up for a
17 minute and give closing remarks.

18 MS. REGNER: I just wanted to real quickly
19 thank our senior resident inspector who came out
20 tonight out of the goodness of her heart. She does
21 not get paid for this. Jo, would you mind standing
22 up?

23 (Applause)

24 MS. REGNER: Thank you. This is one of
25 the NRC inspectors who works at the plant day in and

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1 day out. She's onsite, she watches these guys like a
2 hawk and she's there to help keep you all safe. So
3 thank you for coming out tonight, Jo. If you would
4 also pass on my thanks to Nicole as well who was here
5 at the 2:00 session. She's also a resident inspector
6 who lives in the community and works at the plant
7 every day. Are there other regional people here that
8 wouldn't mind standing up? Anybody I missed? Oh,
9 Nancy McNamara is in the back. She is our state
10 liaison officer. Thank you for coming out, Nancy.
11 Anybody else? Thank you again to everyone for coming
12 out tonight, taking time away from your families to
13 provide environmental comments and look for the
14 Environmental Impact Statement where we'll address
15 your comments. Anything else? Anybody else? Rich,
16 thank you.

17 MR. ELY: One question. You're saying the

18 --

19 MS. REGNER: License renewal application?

20 Yes, sir.

21 MR. ELY: Is that the final version?

22 MS. REGNER: Right. Right. There are
23 additional on the reviewer copies there's some
24 additional data that is -- some of it's publicly
25 available, some of it's not publicly available. But

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1 and there are all kinds of drawings that the reviewers
2 use to look at those systems that are appropriate for
3 license renewal. There's a lot of extra information
4 that the public really didn't need, okay? But if
5 there is -- well, if there's -- okay. All right, yes,
6 I hear what you're saying. I'm sorry. You know, that
7 I didn't think you'd be interested in, can I put it
8 that way?

9 MR. ELY: The general public might not
10 have -- it might not be for them to see. Perhaps some
11 of them, it might not be -- for them to understand. I
12 don't know. But I wouldn't say that --

13 MS. REGNER: If you want me to go into
14 details of the other material that's on the disk
15 that's for the reviewers I'd be happy to go over that.
16 And if it's publicly available I'd be happy to send
17 it to you. Okay? And you have my email and phone
18 number, right? Okay. I've got the card for you.
19 Anything else?

20 FACILITATOR BARKLEY: Okay, with that I
21 very much appreciate your patience. We actually had
22 15 total speakers tonight, the same number we had this
23 afternoon. I tried to give everyone a fair chance to
24 speak their full mind so that's why we ran a little
25 long but hopefully that was considered fair to all

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1 members of the audience. So with that I'd like to
2 wrap up this meeting. Thanks very much.

3 (Applause)

4 (Whereupon, the foregoing matter went off
5 the record at 9:14 p.m.)

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U.S.NRC

UNITED STATES NUCLEAR REGULATORY COMMISSION

Protecting People and the Environment

**Limerick Generating Station
License Renewal Process
and
Environmental Scoping Meeting**

September 22, 2011

Meeting Ground Rules

**Rich Barkley, PE,
Nuclear & Environmental Engineer
Meeting Facilitator**

- Please sign up on a blue speaker card if you'd like to speak
- To be fair, the amount of time allotted will be limited and based on the number of speakers who sign up
- I will call three speakers at a time to allow adequate time to prepare and to get to the microphone
- The speakers initially called will alternate between elected officials and members of the public

Meeting Ground Rules

- Please silence all cell phones!
- Please speak clearly into the microphone, your remarks are being transcribed
- Please do not interrupt the speaker or speak when not at the microphone
- Written comments are welcome during and after this meeting – please give them to Lisa Regner
- Please see me if you have questions or concerns regarding the conduct of this meeting

Purpose of Today's Meeting

- Provide overview of license renewal review process
 - Safety review
 - Environmental review

- Receive public input on environmental review

NRC Regulatory Oversight

- NRC's Governing Statutes
 - Atomic Energy Act
 - National Environmental Policy Act (NEPA)

- NRC's Mission
 - Protect Public Health and Safety
 - Promote Common Defense and Security
 - Protect Environment

Limerick License Renewal

➤ License renewal application received on
June 22, 2011

Unit 1 - license expires October 26, 2024

Unit 2 - license expires June 22, 2029

Docketing and Sufficiency of Application

- Acceptance/Sufficiency review
- Review contents of application
 - Technical information
 - Technical Specifications
 - Environmental Report
- Docket

Ongoing Regulatory Oversight

- Current Safety Performance

<http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/index.html>

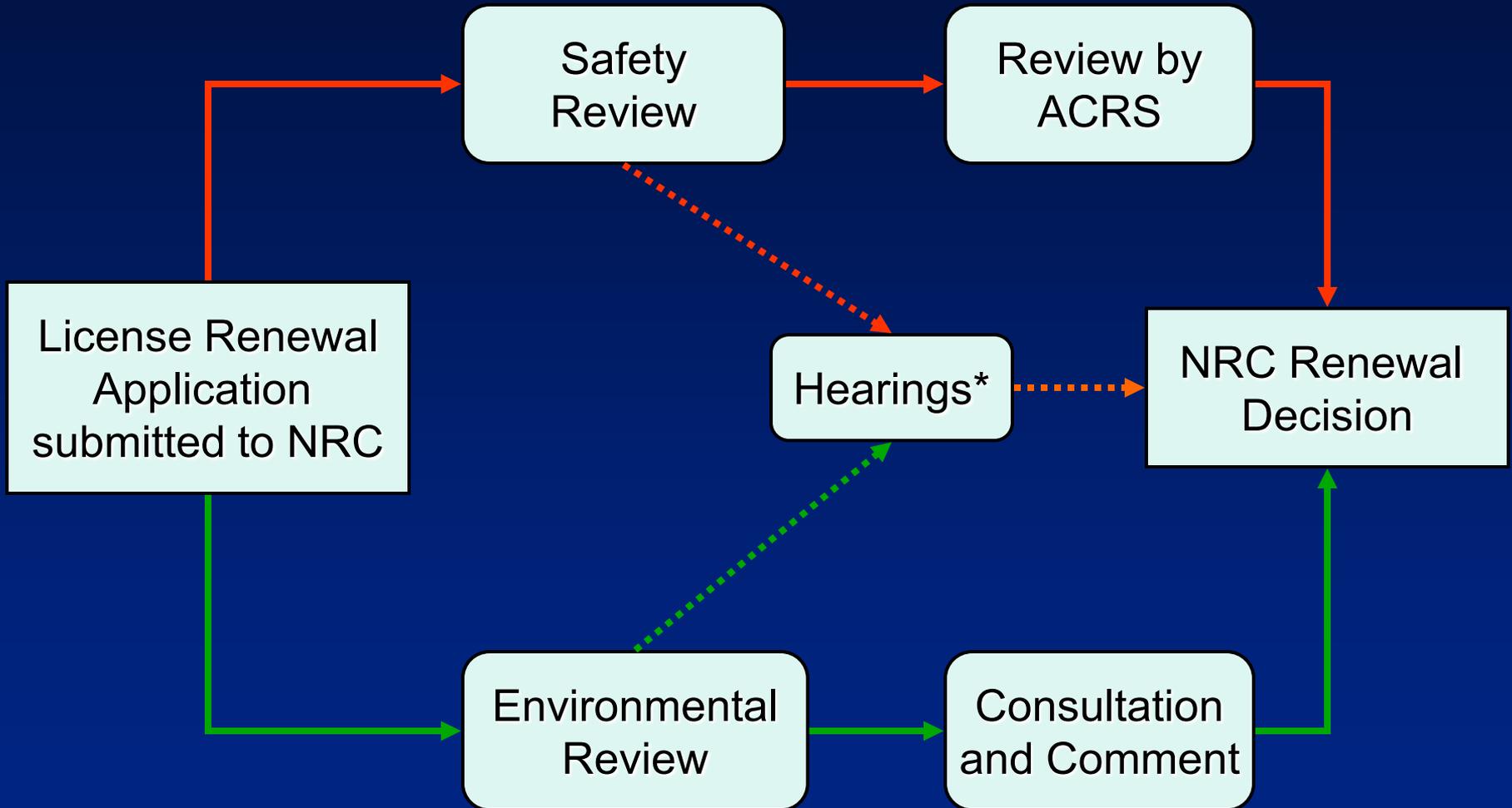
- Emergency Planning

- Security

NRC Response to Fukushima

- The NRC's response to Fukushima is as a current operating issue
- Increased inspections at operating facilities
- NRC Near-Term Task Force issued its report on July 12
 - Continued operations and continued licensing activities do not pose an imminent risk to public health and safety
- Staff paper on prioritization of task force recommendations due October 3
- More information:
 - <http://www.nrc.gov/japan/japan-info.html>

License Renewal Process



* If a Request for Hearing is Granted

License Renewal Safety Principles

- The ongoing regulatory process is adequate to ensure the safety of all currently operating plants

- The same plant operating rules apply during the renewal term
 - NRC applies additional conditions for aging management

Safety Review Focus

- Safety review focus is on the effects of aging on:
 - Safety-related systems, structures, and components (SSCs)
 - Nonsafety-related SSCs which, if they failed, could affect safety-related SSC functions
 - SSCs relied upon for compliance with regulations for:
 - Fire protection
 - Environmental qualification
 - Pressurized thermal shock
 - Anticipated transients without scram
 - Station blackout
- Safety review is to determine if aging effects will be effectively managed

Safety Review Process

- Technical review by NRC staff
 - Review application and supporting documentation
 - On-site audits
 - Issue Safety Evaluation Report
- On-site inspections by NRC staff
- Independent review by the Advisory Committee on Reactor Safeguards

Safety Review Milestones (tentative)

Application Received	June 22, 2011
Notice of Opportunity for Hearing	August 24
Notice of Intent for Scoping	August 26
Environmental Scoping Meeting	September 22
Hearing Opportunity Closes	October 24
Scoping Comments Due	October 28
SER with Open Items	July 2012
ACRS Subcommittee Meeting	September 2012
Final SER Issued	January 2013
ACRS Full Committee Meeting	February 2013
Commission Decision (without hearing)	April 2013

Environmental Review (10 CFR Part 51)

- National Environmental Policy Act (NEPA)
 - Informs Federal decision making
 - Public disclosure of environmental impacts and other considerations
- NRC's Environmental Regulations
10 CFR Part 51
- Staff prepares an Environmental Impact Statement

Environmental Impact Statement

Staff Evaluates Impacts to Resources

- Fish and Wildlife
- Water and Air Resources
- Historical or Cultural Resources
- Taxes, Community Development, Environmental Justice
- Human Health
- Land Use



Environmental Review (10 CFR Part 51)

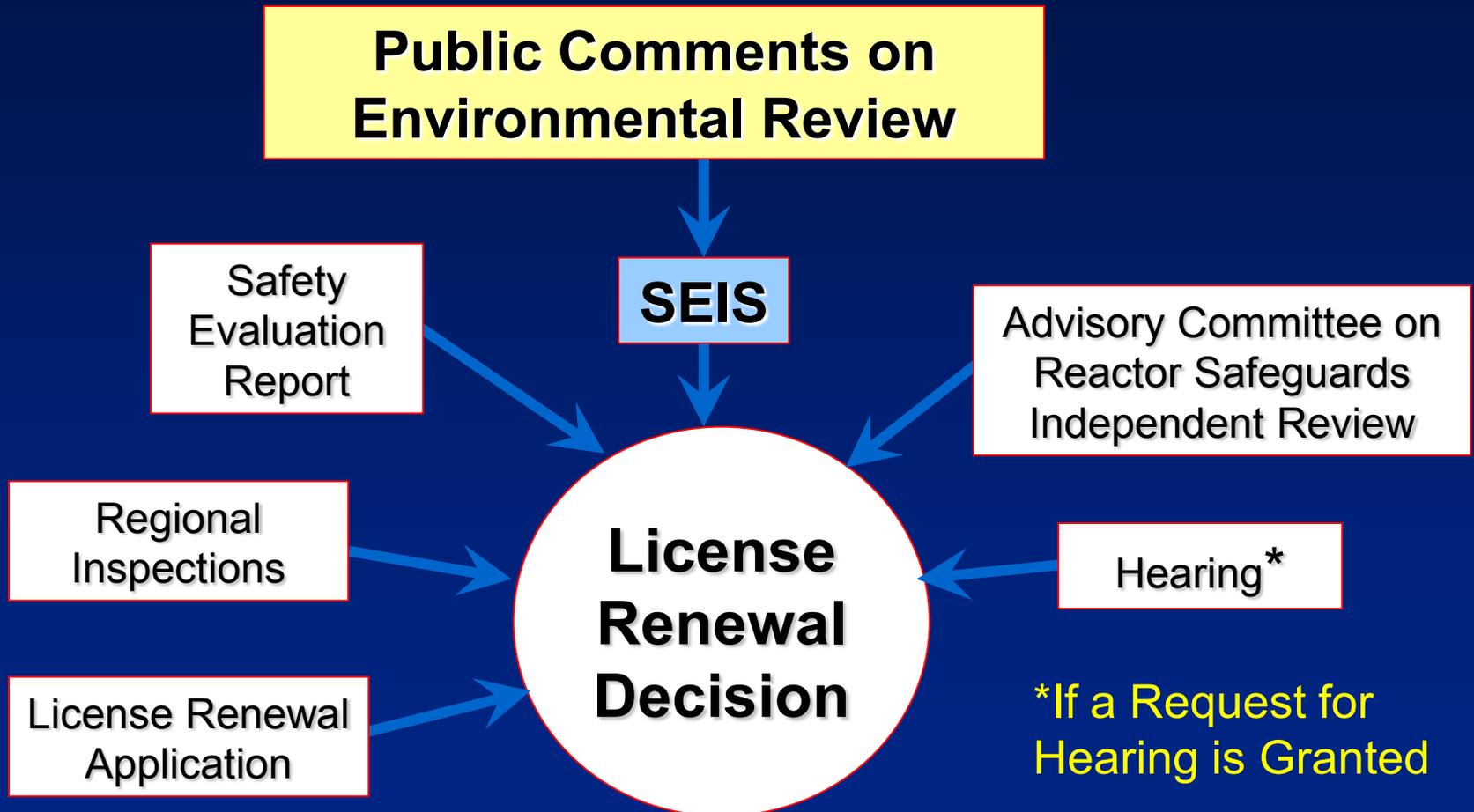
Scoping Process

- Generic Environmental Impact Statement
<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1437/>
- Site-specific Supplemental Environmental Impact Statement
- New and significant information on generic conclusions reached in the GEIS

Scoping and Public Involvement

- What is unique about your community?
- What local environmental issues should the NRC examine?
- What reasonable alternatives are appropriate for the area?

Role of Public Comments Environmental Review



How to Submit Comments on the Environmental Review

- ✓ **Online** using the Federal Rulemaking Web Site:

At <http://www.regulations.gov>

Enter Keyword or ID: **NRC-2011-0166**

- ✓ **By fax** (reference Limerick license renewal):

RADB at 301-492-3446

Comments must be submitted by October 28

How to Submit Comments on the Environmental Review

- ✓ **By mail** (please reference Limerick license renewal):

Ms. Cindy Bladey

Chief, Rules, Announcements, and Directives Branch

Office of Administration, Mail stop: TWB-05-B01M

US Nuclear Regulatory Commission

Washington, DC 20555-0001

- ✓ **In person** at NRC Headquarters

Comments must be submitted by October 28

Environmental Review Milestones

Application Received	June 22, 2011
Notice of Opportunity for Hearing	August 24
Notice of Intent for Scoping	August 26
Environmental Scoping Meeting	September 22
Hearing Opportunity Closes	October 24
Scoping Comments Due	October 28
Draft SEIS Issued	August 2012
Draft SEIS Public Meeting	September 2012
Draft SEIS Comments Due	October 2012
Final SEIS Issued	February 2013

Project Manager Information

Lisa Regner

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Lisa.Regner@nrc.gov

Robert Kuntz

(800) 368-5642 ext. 3733

Robert.Kuntz@nrc.gov

Where to view documents

Documents located at:

- **Pottstown Regional Public Library**
500 East High Street
Pottstown, PA 19464-5656
- **Royersford Free Public Library**
200 South 4th Avenue
Royersford, PA 19468-2548

Documents can be viewed on the NRC's Web site:
www.nrc.gov/reactors/operating/licensing/renewal/applications.html



U.S.NRC

UNITED STATES NUCLEAR REGULATORY COMMISSION

Protecting People and the Environment

Limerick Generating Station License Renewal

Environmental Scoping Comments

Links to Relevant Information

Limerick License Renewal Website:

<http://www.nrc.gov/reactors/operating/licensing/renewal/applications/limerick.html>

License Renewal Fact Sheet: <http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/fs-reactor-license-renewal.pdf>

Information on the NRC's license renewal process can be found at:

<http://www.nrc.gov/reactors/operating/licensing/renewal.html>

NRC Response To Japan Accident: <http://www.nrc.gov/japan/japan-info.html>

Japan Task Force Report: <http://pbadupws.nrc.gov/docs/ML1118/ML111861807.pdf>

Emergency Preparedness Fact Sheet: <http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/fs-emerg-plan-prep-nuc-power.pdf>

Seismic Issues for Nuclear Power Plants Fact Sheet: <http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/fs-seismic-issues.pdf>

Nuclear Insurance and Disaster Relief Funds Fact Sheet: <http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/funds-fs.pdf>

To subscribe to all outgoing public correspondence on Limerick Generating Station (and other operating reactors), go to: <http://www.nrc.gov/public-involve/listserver/plants-by-region.html>

- Enter your name and email address
- Check the box for Limerick in Region I (and any other plants you are interested in)
- Hit 'Subscribe,' at the bottom of the page

Links to Relevant Information

Limerick License Renewal Website:

<http://www.nrc.gov/reactors/operating/licensing/renewal/applications/limerick.html>

License Renewal Fact Sheet: <http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/fs-reactor-license-renewal.pdf>

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