

Official Transcript of Proceedings
NUCLEAR REGULATORY COMMISSION

Title: Turkey Point Draft EIS
Public Meeting: Afternoon Session

Docket Number: 052-40 and 052-41

Location: Homestead, Florida

Date: Thursday, April 23, 2015

Work Order No.: NRC-1486

Pages 1-75

NEAL R. GROSS AND CO., INC.
Court Reporters and Transcribers
1323 Rhode Island Avenue, N.W.
Washington, D.C. 20005
(202) 234-4433

UNITED STATES OF AMERICA

+ + + + +

NUCLEAR REGULATORY COMMISSION

+ + + + +

TURKEY POINT DRAFT ENVIRONMENTAL IMPACT STATEMENT

PUBLIC MEETING

+ + + + +

THURSDAY,

APRIL 23, 2015

+ + + + +

The public meeting convened Hampton Inn and Suites Miami South/Homestead, Reef Room, 2855 NE 9th Street, Homestead, Florida, at 1:30 p.m., Chip Cameron, Facilitator, presiding.

PRESENT:

CHIP CAMERON, Facilitator

MARK DELLIGATTI, OFFICE OF NEW REACTORS, NRO, NRC

ALICIA WILLIAMSON-DICKERSON, NRO, NRC

MEGAN CLOUSER, U.S. Army Corps of Engineers

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

C O N T E N T S

INTRODUCTION.....	3
WELCOME AND INTRODUCTORY STATEMENTS.....	10
U.S. ARMY CORPS OF ENGINEERS STATEMENTS.....	15
OVERVIEW OF NRC ENVIRONMENTAL REVIEW FINDINGS AND DEIS STATEMENTS.....	20
PUBLIC COMMENTS.....	35
CLOSING STATEMENTS.....	74

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

P R O C E E D I N G S

(1:30 p.m.)

MR. CAMERON: My name is Chip Cameron and I want to welcome you to today's public meeting. And I'm going to serve as the facilitator, your facilitator for the meeting this afternoon. And in that role I want to try to help all of you have a productive meeting today.

Our topic is a Draft Environmental Impact Statement that the United States Nuclear Regulatory Commission has prepared as part of evaluating a license application from Florida Power and Light to build and operate two new reactors at the Turkey Point site here in Homestead. And we'll try to stay away from acronyms as much as possible today but two that you will hear is EIS for Environmental Impact Statement and NRC for Nuclear Regulatory Commission.

And the Draft EIS was prepared by the NRC as one part of its evaluation of the license application for these two new reactors. The other part of the NRC evaluation is a safety evaluation and those will form the basis for the NRC decision on whether to grant the license application.

I just want to go through a few items of meeting process with you now so that you know what to

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

(202) 234-4433

(202) 234-4433

1 expect this afternoon. And I'd like to talk about the
2 objectives for the meeting, the format, some simple
3 ground rules and introduce the speakers who will be
4 talking to you this afternoon. And I should note that,
5 in addition to the NRC speakers we also have a speaker
6 from the Corps of Engineers. They play an important
7 role in this environmental review and, indeed, they are
8 a cooperating agency in the environmental review. And
9 we're going to hear from Megan Clouser who is right here
10 from the Corps of Engineers later on in a few minutes.

11 And I should also note that the National
12 Park Service is also a cooperating agency on the
13 preparation of the Environmental Impact Statement but,
14 unlike the Corps of Engineers, the Corps has separate
15 permitting responsibilities in relationship to these
16 new reactors different from the NRC responsibilities.
17 But the Park Service doesn't have any permitting
18 responsibilities but they are lending their expert
19 advice to the NRC and that's why they're a cooperating
20 agency. And we have Brian Carlstrom here from -- Brian?
21 Brian is right there, Brian Carlstrom from the National
22 Park Service and I would thank him for being here today.

23 In terms of the objectives of the meeting,
24 the one is to give all of you clear information on what
25 the EIS process is and on what some of the findings are

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

(202) 234-4433

(202) 234-4433

1 in the Draft Environmental Impact Statement, and I just
2 want to emphasize the word "Draft." This EIS will not
3 be finalized until the NRC and the Corps evaluate all
4 the public comments that are coming in, not only from
5 this meeting but another meeting tonight and another
6 meeting that we did in South Miami last night, and also
7 the written comments that the NRC is requesting.

8 And Alicia Williamson-Dickerson is the NRC
9 project manager on this and she will explain in a few
10 minutes how you submit comments to the NRC.

11 And that's the second objective, to allow
12 the NRC staff that's here tonight, the experts that are
13 part of the environmental review team, the Corps of
14 Engineers, to allow them to listen to what your comments
15 are on the Draft Environmental Impact Statement. And
16 of course, it's important for all the members of the
17 audience, the community, to hear what your comments are
18 also.

19 The format is pretty simple. We're going
20 to start with a few NRC, Corps presentations to you.
21 Then we're going to have a few minutes for questions.
22 And I should emphasize that the questions are those of
23 a clarifying nature, something that you don't
24 understand about the EIS process, relationship of one
25 part of the EIS to another or what's covered by it, but

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

(202) 234-4433

(202) 234-4433

1 we're not going to have time to go into what I call
2 substantive questions, asking about different parts of
3 the analysis that are in the Draft Environmental Impact
4 Statement. But I don't think that we're going to run
5 all the way to the 4:30 ending time.

6 So the NRC staff, the expert advisors are
7 going to be here after the meeting and if you do have
8 those substantive questions please ask them. If
9 anybody needs any assistance in terms of who to talk to
10 just ask me and I'll guide you to the correct person.

11 Ground rules, the first one is just hold all
12 your questions until all the staff presentations are
13 done so you get the complete picture. When that's done,
14 we'll go -- if you just signal me I'll bring you the
15 microphone and if you could just introduce yourself and
16 ask your question we'll try to get an answer for you.
17 And I would ask that only one person speak at a time,
18 most importantly, so that we can give our full attention
19 to whomever has the floor at the moment.

20 And secondly so that we can get a, what I
21 call a clean transcript. We are taking a transcript,
22 we have our stenographer/court reporter here, Michael
23 Holland, and that he's taking a transcript. That will
24 be your record and the NRC's record, the Corps's record
25 of what transpired here today. So one person at a time.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

(202) 234-4433

(202) 234-4433

1 I'll make sure that Michael knows who's talking. And
2 another reason is that we're trying to make sure that
3 Michael picks up everything from the speakers and the
4 less ambient noise the better. So I won't ask you to
5 stop breathing but --

6 (Laughter.)

7 MR. CAMERON: And that's a joke, and I'm
8 glad you're laughing.

9 (Laughter.)

10 MR. CAMERON: Anyway, I would also ask you
11 to be brief in your comments. We usually give people
12 five minutes, okay, because that's really enough time
13 to summarize. I don't think we're pressed for time so
14 if you go over a little bit we'll be flexible on that,
15 but please try to keep it to five minutes. If you want
16 to expand on your comments you can do that in a written
17 comment. Those can be as long as you want them to be.

18 And just finally, I don't think I have to
19 really say this but I always do, just to extend courtesy
20 to everybody that's here tonight. You may hear -- or
21 this afternoon. You may hear different opinions than
22 your own opinion, so just please respect the person
23 who's giving that opinion.

24 And just some notes, the NRC is not going
25 to be responding to any of the comments during the

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 comment period or any questions that you ask when you're
2 up here giving your comments. They will consider and
3 evaluate those comments in preparation of the final EIS
4 but they won't be engaging in a discussion with you on
5 your comments. And there's always other concerns than
6 -- with the NRC is here specifically for that, the
7 environmental review today. And people might have a
8 concern or question about the reactors that are
9 operating now at Turkey Point.

10 And we do have some NRC staff here who can
11 answer those questions after the meeting is over and we
12 have our senior resident inspector here, Tim Hoeg, right
13 here in the blue shirt. And as you may know, the NRC
14 has a resident inspector at all operating power plants
15 to make sure that NRC regulations are followed. And so
16 Tim's here but we also have LaDonna Suggs here and
17 LaDonna is a manager out at the NRC Region 2 office in
18 Atlanta. And we also have Audrey Klett from the Office
19 of Nuclear Reactor Regulation at NRC headquarters in
20 Rockville. So if you have questions after the meeting
21 please see one of them about the operating reactors.

22 Sometimes people have questions that are
23 more appropriate for the license applicant, or would
24 like to answer rather than the NRC. And we're not going
25 to go into those questions with Florida Power and Light

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

(202) 234-4433

(202) 234-4433

1 during this meeting. But they have representatives
2 here and they will be glad to talk to you after the
3 meeting about any questions that you have that are for
4 FPLs. And I don't know if it's Greg -- Greg, if you just
5 see Greg, he will be able to steer you to the right person
6 and answer any questions that you have.

7 And I don't know if we need this, but we have
8 Luis Bentancort here from the NRC staff. If anybody
9 needs any Spanish translation assistance, Luis is
10 fluent in Spanish. And if you need some help just ask
11 Luis, right back there.

12 And I would just thank you all for being
13 here. In terms of -- let me just introduce our
14 speakers. We're going to start off with a welcome and
15 a perspective from the Senior NRC Manager that's here,
16 it's Mark Delligatti right here. And Mark is a Deputy
17 Director of the Division of New Reactor Licensing in the
18 Office of New Reactors at the NRC in Rockville.

19 After we hear from Mark we're going to go
20 to Alicia Williamson-Dickerson, the Environmental
21 Project Manager on these applications for Units 6 and
22 7, proposed units, at Turkey Point. And then we're
23 going to go to Megan Clouser who is the Project Manager
24 for the Corps of Engineers to tell us about the Corps's
25 responsibilities. Then we're going to go back to

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 Alicia for an overview of the Draft Environmental Impact
2 Statement. And those will be our speakers.

3 And two other people I want to introduce,
4 two managers from the NRC. One is right here and that's
5 Jennifer Dixon-Herrity. And Jennifer is the Chief of
6 the Environmental Project Branch Office in New Reactors
7 NRC, and Ryan Whited, where -- here's Ryan right here.
8 And he's the Chief of the Environmental Technical Review
9 Branch.

10 And with that, I'm going to turn it over to
11 Mark. And when you -- when we do go to comments, I'm
12 going to ask you to come up here and address us and that's
13 where Mark is going to go right now.

14 WELCOME AND INTRODUCTORY STATEMENTS

15 MR. DELLIGATTI: Good afternoon,
16 everyone. Can you hear me in the back?

17 (Indistinct comments.)

18 MR. CAMERON: There is an "on" and "off"
19 switch.

20 MR. DELLIGATTI: Oh, sure, now you tell me.

21 (Laughter.)

22 MR. DELLIGATTI: Well, good afternoon and
23 welcome to this meeting with the NRC staff and Corps of
24 Engineers. We are really happy to see such a big
25 turnout today.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 I'd like to just tell you a little bit about
2 why we're here and what we're going to be doing. We have
3 published the Draft Environmental Impact Statement for
4 Units 6 and 7 at Turkey Point. And as Chip said, it is
5 a draft. We do our very best job, we and our cooperating
6 agencies try to be as complete as possible. But the
7 reason we come out for public comments is for you to have
8 a chance to tell us if you think we missed something or
9 to tell us if you think we mischaracterized something
10 and -- because Chip said, all of those comments come to
11 us and we will resolve each of those comments before we
12 publish the final EIS in about a year's time. So it's
13 really -- it's very important that we listen carefully
14 to you and that you tell us any of the concerns you have.

15 If you have concerns about the operating
16 plant, as Chip said, those are really beyond what we can
17 handle in this meeting. But please, if you want to see
18 one of the folks of Region 2 that Chip pointed out, or
19 Alicia or me, and give us what those concerns that you
20 might have about the operating reactors or about our
21 ongoing safety review of Units 6 and 7, please tell us.
22 We can take those concerns back to our colleagues in
23 Rockville, Maryland and we can let them know that these
24 are areas that the folks down here are very interested
25 in.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 As Chip said, the first part of this will
2 be, Alicia will give you an overview of the
3 environmental review process at NRC and she will be
4 followed by Megan -- I was going to point to your name,
5 Megan -- by Megan to talk about the role of the Corps.
6 And then we'll go into the staff presentatins and the
7 questions and the comment period. So again, thank you
8 very much for coming out today and I hope that you're
9 all comfortable here in the room and we look forward to
10 a great day. Thank you.

11 Alicia?

12 MS. WILLIAMSON-DICKERSON: Thank you,
13 Mark.

14 Good afternoon. My name is Alicia
15 Williamson-Dickerson and I'm the Environmental Project
16 Manager from the Turkey Point Units 6 and 7
17 environmental review. I would also like to extend my
18 thanks to everyone for coming out this afternoon.

19 Since it has been several years since we
20 were here for the public scoping meetings I wanted to
21 take a few moments to talk to you about the combined
22 license application submitted by Florida Power and
23 Light or FPL. In June of 2009 FPL submitted an
24 application to the NRC for two new nuclear units, Units
25 6 and 7, at its Turkey Point site for combined licenses,

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 or COLs. The combined licenses, if granted, would be
2 authorization to construct and operate two additional
3 nuclear units on the existing Turkey Point site. There
4 are already five units on the site but only three of them
5 are currently operating, one fossil fuel unit and two
6 nuclear units.

7 From the Turkey Point combined license
8 application the NRC is conducting two reviews at the
9 same time, a safety review and an environmental review.
10 The safety review will result in a safety evaluation
11 report in which the staff will determine whether the
12 reactor design chosen by FPL built at this site meets
13 our safety determine -- excuse me, meets our safety
14 requirements. The final safety evaluation report is
15 scheduled to be completed in October of 2016.

16 Please note, the NRC cannot -- excuse me,
17 a NRC decision cannot occur on the combined license
18 application until both the safety and environmental
19 reviews are complete. But today the primary focus of
20 this meeting is to gather comments on the NRC's Turkey
21 Point Draft Environmental Impact Statement or Draft
22 EIS.

23 The NRC as the lead Federal agency is
24 partnered with the U.S. Army Corps of Engineers
25 Jacksonville District, or USACE, and the National Park

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 Service, or NPS, Biscayne and Everglades National Parks
2 as cooperating agencies because of their special
3 expertise to evaluate the environmental effects of the
4 proposed action. In addition, the USACE plans to
5 utilize some of the information in the Draft EIS in its
6 review of the Department of Army permit application
7 submitted by FPL.

8 In just a moment I'm going to invite up Ms.
9 Megan Clouser, a Senior Project Manager from the Army
10 Corps to talk with us about the Corps's -- excuse me,
11 the USACE's environmental review process for this
12 proposed project.

13 The National Park Service, our other
14 partner, does not have a specific regulatory action
15 pending before it in regard to the proposed units at this
16 time but as a cooperating agency the Park Service did
17 provide input to the impact analysis based on its
18 special expertise of the environments in and around the
19 parks, the National Parks, excuse me. However, impact
20 determinations made in the EIS should not be attributed
21 to the National Park Service but only the NRC and USACE,
22 also referred to as the review team.

23 Now before I start talking more about the
24 NRC's environmental review process I'm going to invite
25 Megan Clouser up from the Army Corps to talk about the

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 Corps's process.

2 U.S. ARMY CORPS OF ENGINEERS STATEMENTS

3 MS. CLOUSER: Good afternoon, everyone.
4 My name is Megan Clouser, the Army Corps of Engineers
5 Senior Project Manager, Jacksonville District.

6 To give you a little bit of a brief overview
7 -- next slide, please -- I wanted to give you some of
8 our regulatory authorities and why we're involved with
9 this project.

10 Number one, we operate under Section 404 of
11 the Clean Water Act and Section 10 of the Rivers and
12 Harbors Act. We also have a component of this project
13 that involves Section 14 of the Rivers and Harbors Act.
14 We regulate the discharge of dredge and fill material
15 into waters of the United States and we also regulate
16 structures in, over and under navigable waters of the
17 United States as well. Our permit decisions are
18 Federal actions and we must comply with National
19 Environmental Policy Act or NEPA.

20 Next.

21 As we mentioned, the NRC is the leading
22 agency in the preparation of this Environmental Impact
23 Statement. We are a cooperating agency as is the
24 National Park Service. As part of our record of
25 decision the Corps will integrate the Environmental

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

(202) 234-4433

(202) 234-4433

1 Impact Statement as part of our decision and we also
2 evaluate the project for our public interest review
3 factors as well as the Clean Water Act 404.(b).1
4 guidelines.

5 Next.

6 This just kind of gives you an overview of
7 where our jurisdiction lies. As we mentioned before
8 this is in freshwater. We're talking about Section 10,
9 all structures and where they're part of navigable water
10 which are rivers, streams, lakes and ponds. Before
11 Section 404, the discharge of drudge materials, our
12 jurisdiction extends up to the interface between
13 uplands and wetlands.

14 Next slide.

15 In tidal waters, Section 10, our
16 jurisdictional authority goes up to the knee-high water
17 line. Section 404 extends further inland to the
18 highest annual high tide.

19 Next slide.

20 Obviously public involvement and
21 participation are important to the Corps and are
22 critical to the EIS participation. Comments that we
23 receive will be considered in the final EIS and
24 subsequent permit decisions. And again there will be
25 another opportunity to review the comments on the final

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 EIS which is scheduled for early 2016. Many comments
2 that the Corps receives directly through the NRC,
3 through the NEPA process, will be part of the U.S. Army
4 Corps record and considered in our decision.

5 Next slide.

6 I just wanted to give you a little bit of
7 an overview of what components of the projects we're
8 going to be really looking at. Again, this is where our
9 regulatory authority is. We're talking about Units 6
10 and 7, the actual reactor site, the proposed
11 transmission line, pipelines and then the equipment
12 barge unloading area.

13 Next slide. We had over 55 drawings in our
14 public notice which is currently available for public
15 comment. We just wanted to give you a little bit of an
16 overview of some of the components. So this is just --
17 and it should be in your handouts so you -- to be clear
18 over there. But to give you an idea, this is the scope
19 of the project.

20 Next slide.

21 This is more of a close-up of the reactor
22 site and lay-down area.

23 Next slide.

24 This kind of gives you a generic overview
25 of the proposed under-canal crossings.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 Next slide.

2 And again, we tried to get a nice little
3 transmission line corridor description so you could
4 kind of see what was representative of the 230, the 500
5 and the access roads.

6 Next slide.

7 Again, typical access road for these
8 transmission line corridors.

9 Next slide.

10 And this, of course, was the detail for the
11 barge unloading area.

12 Next slide.

13 Okay. And again, like I said, there were
14 ten components or so of this project that we're looking
15 at, including the crossing under the Miami River, access
16 roads, radial collector wells and the reclaimed water
17 facility.

18 Next slide.

19 This is the aerial of the cross section of
20 what is proposed and the Miami River.

21 Next slide.

22 And then this is a typical cross section of
23 the access roads and with a wildlife corridor from in
24 there.

25 Next slide.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 Again, another side view of the wildlife
2 crossings.

3 Next slide.

4 And then this is where the 408, when it
5 comes in, where the proposed bridge over the L31 East
6 Canal.

7 Next slide.

8 This is kind of a typical lay-down -- or
9 this is the typical radial collector well system.

10 Next slide.

11 And then this is Turkey Point where they're
12 proposing the four caissons and then the extension of
13 the radial collector wells underneath.

14 Next slide.

15 Again, the public notices are -- our public
16 notice is available for public comment right now. It
17 is extended until May 22nd. You can download it from
18 the website right there and you can email comments
19 directly to the TurkeyPoint@USACE.Amry.mil web
20 address.

21 Next slide.

22 Do you have any questions that are specific
23 to the Corps?

24 MR. CAMERON: I think we'll wait until
25 we're done.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 OVERVIEW OF NRC ENVIRONMENTAL REVIEW FINDINGS

2 MS. WILLIAMSON-DICKERSON: Now I'm going
3 to give an overview of the NRC's environmental review
4 process. This step-wise approach is how we determine
5 our responsibilities under the National Environmental
6 Policy Act or NEPA. The review process started in 2009
7 in the two public scoping -- excuse me, in the public
8 scoping period, and from June 2010 until August of 2010.
9 Then two public scoping meetings were held in July of
10 2010.

11 Input provided during the scoping period is
12 summarized in Appendix D of the Draft EIS. Also during
13 this time we conducted site audits, visits to
14 alternative sites and met with officials from Federal,
15 Tribal, State and local agencies. We carried out
16 independent analyses and evaluations based on
17 information provided to us by the applicant and on
18 information sources that we developed. All of these
19 steps led to the publication of the Draft EIS which
20 occurred on February 27, 2015.

21 Currently we are seeking -- currently we
22 are in the public comment period for the Draft EIS and
23 seeking public comments. The 75-day comment period
24 began on March 6th and will remain open until May 22nd.
25 Once the comment period is over the staff will start

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 processing all the comments that were received on the
2 Draft EIS. This includes anything that you will share
3 with us today. Please note any comments that you share
4 with us today will be considered in the same manner as
5 a comment received by letter or email. All comments
6 carry the same weight.

7 In addition, comment and responses on the
8 Draft EIS will be included in Appendix E of the final
9 EIS so you can be aware how the review team considered
10 your comments. Based on the comments we receive we will
11 adjust our analysis as needed and finalize the EIS. We
12 expect to issue the final EIS in February of 2016.

13 Let's take a look at the Draft -- excuse me,
14 at the organization of the Draft EIS. This is the table
15 of contents. We start off with Chapters 1 through 3 by
16 describing the current environment and the proposed
17 project then discuss the results of our analysis of
18 impacts for the various phases of the project in
19 Chapters 4 through 7. We assess the need for power in
20 Chapter 8 as well as the alternatives to the proposed
21 project in Chapter 9. In Chapter 10 we conclude the EIS
22 with the NRC staff's preliminary recommendation to the
23 Commission. And finally we have the appendices which
24 is the detailed information and materials which support
25 the environmental review.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

(202) 234-4433

(202) 234-4433

1 To prepare the EIS we've assembled a team
2 with backgrounds in the necessary scientific and
3 technical disciplines. The NRC contracted with
4 Pacific Northwest National Laboratory, Information
5 Systems Laboratory and the U.S. Geological Survey to
6 assist in preparing the EIS. And as mentioned before,
7 the USACE and NPS also provided technical expertise in
8 developing the EIS. This group is comprised of a wide
9 range of experts with extensive experience and
10 knowledge of environmental issues and nuclear power
11 plants. This slide shows most of the resource areas
12 that we considered in the EIS and many of these experts
13 have been available to you today during the informal
14 open house and are here today to receive your comments.
15 In the interest of time I will only be presenting the
16 results of evaluations for some of the resource areas
17 depicted here.

18 The NRC has established three impact
19 category levels, small, moderate and large, to help
20 explain the effects of the proposed project in
21 consistent terms for each resource area. As the team
22 was developing its analysis the review team members
23 would ask if the effects were minor or not even
24 detectable then it would be categorized as a small
25 impact. If the impacts were sufficient to noticeably

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

(202) 234-4433

(202) 234-4433

1 alter but not destabilize important attributes of a
2 resource then it would be a moderate impact. Or if the
3 effects were sufficient to destabilize important
4 attributes of a resource then it would be a large impact.

5 So throughout our EIS for each of the
6 technical areas like the ones that we saw in the previous
7 slide, the team would develop its analysis and assign
8 a level of significance, small, moderate or large, to
9 the impacts. Note that some beneficial impacts were
10 identified.

11 Now we'll get into a little bit more detail
12 about some of the technical areas. First we'll start
13 with water resources. Our evaluation considered
14 impacts of construction and operating Turkey Point
15 Units 6 and 7 on both surface water and groundwater
16 resources. This includes impacts to water use and
17 water quality. FPL's application indicated surface
18 water would not be used during building activities of
19 proposed Units 6 and 7. In addition, the proposed
20 primary source of cooling water for plant operations is
21 reclaimed water supplied by Miami Dade Water and Sewer
22 Department. Therefore our evaluation concluded
23 impacts to surface water use and surface water quality
24 during building and operations are expected to be small.

25 Building activities that could affect

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 groundwater use and quality on the Draft EIS was
2 considered including dewatering of the excavation for
3 the plant's foundations and drawing water from Biscayne
4 -- from the Biscayne Aquifer. Our evaluation of
5 groundwater operational impacts were mainly focused on
6 the use of the FPL proposed backup cooling water supply,
7 the radial collector wells, as well as deep well
8 injection disposal of plant effluents which will be
9 permitted and monitored by the State.

10 So exactly what did we review to make a
11 determination on the water? The review team reviewed
12 and analyzed FPL's data on the effects the radial
13 collector wells and the deep well injection system could
14 have on the surrounding hydrological features. We
15 contracted with the USGS to perform an independent
16 modeling study to determine the effects the radial
17 collector wells could have on surrounding hydrological
18 features. We reviewed the results of the numerous
19 studies of the behavior of deep well injecting -- excuse
20 me -- yeah, the deep well injectate at injection
21 locations throughout south Florida. We evaluated the
22 viability of the various aquifer layers to determine if
23 upper migration of plant effluent was possible and we
24 considered the Florida Department of Environmental
25 Protection's May 2014 final conditions of certification

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

(202) 234-4433

(202) 234-4433

1 permitting conditions.

2 As a result of these findings our review
3 team determined that the potential of the use and
4 quality -- excuse me, the potential impacts on the use
5 and quality of groundwater from building and operations
6 of Turkey Point Unit 6 and 7 would be small.

7 Next, ecological impacts. The review team
8 evaluated the impacts on flora and fauna that either
9 exists or can exist on the Turkey Point site and the
10 surrounding areas or near water bodies. Our
11 evaluations covered species such as the snail kite,
12 Florida panther, American crocodile and Florida
13 Manatee. The staff consulted with other agencies
14 including the U.S. Fish and Wildlife Service, NOAA's
15 National Marine Fisheries Service and the Florida Fish
16 and Wildlife Conservation Commission. The review team
17 concluded that terrestrial ecology impacts during
18 building and operation would be moderate due to
19 permanent disturbance of onsite terrestrial wetland
20 habitat, the potential for increased mortality of
21 protected species such as wood storks and snail kites,
22 impacts of land clearing and vegetation management on
23 protected plant species as well as the proximity of
24 these impacts to affect flora and fauna that may be found
25 in Biscayne and Everglades National Parks.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

(202) 234-4433

(202) 234-4433

1 The review team concluded that the aquatic
2 ecology impacts would be small to moderate during
3 building activities but small during operations. The
4 potential for moderate aquatic ecology impact during
5 building activities is based on the close proximity of
6 the threatened American Crocodile to the proposed Units
7 6 and 7. Otherwise, operational impacts to aquatic
8 ecology would be small due to the use of reclaimed water
9 as a primary cooling water -- as the primary cooling
10 water source and limited use of the backup radial
11 collector well system.

12 As part of the NRC staff's analysis, we
13 evaluated potential doses to construction workers
14 during construction, doses to members of the public and
15 plant workers during operations and doses received by
16 wildlife. The NRC provides guidelines that plants are
17 expected to maintain doses to the public as low as
18 reasonably achievable by liquid -- as low as reasonably
19 achievable by limiting liquid and gaseous -- excused me,
20 limiting liquid and gaseous effluent concentrations
21 during the operation of each nuclear power reactor. In
22 this case, both proposed Turkey Point units, those
23 releases will be via deep injection to a confined
24 non-drinking water aquifer approximately 3,000 feet
25 below the earth's surface. The injection wells will be

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

(202) 234-4433

(202) 234-4433

1 permitted and monitored by the State which regulates
2 wastewater injection wells throughout Florida.

3 The NRC's regulations limit the whole-body
4 dose to a member of the public from both liquid and
5 gaseous effluent releases not to exceed around eight
6 millirem per year from a nuclear power plant. NRC
7 regulations also implement U.S. Environmental
8 Protection Agency standards designed to limit
9 individual doses from the entire fuel cycle. To put the
10 above radiation exposure into perspective, the average
11 dose to an individual in the United States from natural
12 background sources including cosmic radiation,
13 naturally occurring radioactive materials in the soil
14 and building materials is around 300 millirems per year.
15 The NRC's regulated limit is less than ten percent of
16 the total from background, natural background sources.
17 The impacts on all three groups, doses to members of the
18 public, plant workers and wildlife would be small since
19 FPL must comply with stringent NRC and EPA regulatory
20 limits.

21 Climate change is a global phenomenon that
22 the construction and operation of the proposed two units
23 will not appreciably alter. However, the review team
24 determined that climate change may substantially alter
25 the current environment as described in Chapter 2 of the

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

(202) 234-4433

(202) 234-4433

1 EIS. In addition, this new environment altered by
2 climate change may add to the impacts of the operations
3 of the proposed new units. While climate change may
4 result in significant adverse impacts, it is not the
5 EIS's purpose to assess those impacts.

6 The EIS's purpose is to assess the impact
7 of the proposed action of construction and operation of
8 Units 6 and 7 on the current and future environment.
9 The effects of the environment on the plant's safety are
10 considered separately in the NRC staff safety review.
11 The review team considered potential changes in impacts
12 that may occur as a result of the new future environment.
13 The staff primarily relied upon data from the U.S.
14 Global Change Research Program's third national climate
15 assessment report published in the spring of 2014. The
16 staff's full evaluation is contained within Appendix I
17 of Volume II of the EIS.

18 The evaluation is not intended to be a
19 comprehensive climate change assessment but documents
20 a qualitative determination of the likely change in the
21 impacts described in Chapter 5 if the environment is
22 altered in a manner consistent with the predictions
23 outlined in current climate change literature.
24 Specifically the review team documented if the impacts
25 in Chapter 5 would increase, decrease or it was unknown.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

(202) 234-4433

(202) 234-4433

1 In Chapter 9 the review team evaluated
2 alternative energy sources, alternative sites and
3 alternative system designs as well as the no-action
4 alternative. In the alternative energy analysis the
5 review team evaluated generation of baseload power
6 which is when power is continuously produced
7 twenty-four hours a day, seven days a week. For
8 baseload power we examined sources such as coal and
9 natural gas and combinations of sources such as natural
10 gas, solar, wind, biomass and additional conservation
11 in demand-side management programs. The review team
12 determined that none of the feasible baseload energies
13 would be environmentally preferable. As stated,
14 conservation in demand-side management, solar and wind
15 were also considered but could not individually meet the
16 need for baseload power.

17 The review team also compared the proposed
18 Turkey Point site to four other alternative sites in
19 Florida. These sites included -- excuse me. This
20 included sites in Okeechobee, Martin, Glades and St.
21 Lucie Counties. The NRC staff determined that none of
22 the environmental sites -- excuse me, the alternative
23 sites would be environmentally preferable to the Turkey
24 Point site.

25 Next slide.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 In Chapter 10 of the EIS the staff makes a
2 preliminary recommendation to the Commission that the
3 COLs be issued. This recommendation is based on the
4 mostly small to moderate environmental impacts,
5 mitigation measures and the NRC staff conclusion that
6 no alternative site or alternative baseload energy
7 source would be environmentally preferable. This
8 recommendation is considered preliminary until we
9 evaluate your comments on the Draft EIS.

10 In addition, this recommendation is for the
11 environmental review only. As I mentioned earlier,
12 there are two occurring NRC reviews associated with the
13 combined license application, an environmental review
14 and a safety review.

15 Next slide.

16 If you don't already have a copy and would
17 like to take a look at the Draft EIS, we have CD's
18 available out at the registration desk and in the
19 overflow room next door. In addition, we have reader's
20 guides which are an abbreviated version of the EIS. Or
21 if you'd like you can call me, I'd be more than happy
22 to get you a copy. My contact information is on the
23 slide. And also if you have questions later for Megan
24 Clouser from the Corps, her information is also listed
25 here. You can also find copies of the EIS on the NRC

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 website at these websites listed here, and the two local
2 libraries listed have hard and electronic copies on file
3 for review.

4 As stated earlier, the main purpose of
5 today's meeting is to listen to you and gather your
6 comments on the Draft EIS. Many of you have already
7 signed up to speak during this meeting however if you
8 think of something later or you want to submit a comment
9 later, there are several ways to do so. Please remember
10 that the deadline to submit comments is May 22nd.

11 First you can write your comment and mail
12 it in to the address listed. You could also submit it
13 electronically to the email address
14 TurkeyPointCOLEIS@NRC.gov or you can submit it through
15 the regulations.gov website.

16 And with that, that concludes my
17 presentation. I appreciate your time and look forward
18 to hearing your comments. Thank you.

19 MR. CAMERON: Great. Thanks -- thank you
20 Alicia and also Megan and Mark.

21 Before we go to comments, are there any
22 clarifying questions anybody has at this point?

23 VOICE: I Do.

24 MR. CAMERON: Okay. Let me bring this
25 microphone and give it to you.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 MS. SWENSEN: Hi, my name is Cindy Swensen
2 and I've been in the Florida Keys for 30 years.

3 My question is, when -- on the alternative
4 sites that were proposed, four alternative sites, the
5 team said that none of the alternative sites were
6 environmentally preferable to the Turkey Point site,
7 including Okeechobee, Glades -- I missed the other two.
8 Why were they deemed as less -- as more environmentally
9 challenged than Turkey Point?

10 MS. CAMERON: Okay. Really a substantive
11 question but can we answer -- give Cindy some
12 information?

13 MS. WILLIAMSON-DICKERSON: I can give you
14 some quick background on that. Basically what our site
15 selection process or our alternatives process, what we
16 do is the applicant goes out and they put together a site
17 selection process based on various regulatory guidance
18 that's out there for various power companies to use.
19 It's called the EPRI Guidance. And what we do is we
20 review their process to determine if it is a sound
21 process and it is, indeed -- it's adequate and fair.
22 And basically as they go through that process they have
23 various factors that they use to determine
24 environmental as well as other factors, cost factors and
25 various location factors. As they weight out -- you

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 know, go through and scope-out for the various sites
2 where they come down and they boil down to what we have,
3 what we received from FPL which was the four alternative
4 sites.

5 It is our job and within our regulatory
6 purview to determine if that process is sound and we
7 found that it was sound. But we don't know and
8 necessarily choose the sites for them or, you know, make
9 that determination. But we do determine that it's a
10 sound process and we found it was sound. But they do
11 -- it is weighted using various environmental factors,
12 the same, actually, environmental factors that we have
13 within our EIS.

14 MR. CAMERON: And there's a fuller
15 explanation of that in the Draft EIS.

16 MS. WILLIAMSON-DICKERSON: Yes, there's a
17 very big explanation. And actually, I don't know if
18 you'll be available after the meeting but Andy Kugler
19 -- if you could raise your hand, Andy? He's our
20 environment -- alternatives expert. He'd be more than
21 happy, I'm sure, to go through some of those details.
22 That was a very high level --

23 MR. CAMERON: And he can hear their
24 questions.

25 Anybody else have a question before we go

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 to comments?

2 (No response.)

3 MR. CAMERON: Okay, great. Thank you.

4 We're going to start with elected officials
5 and I think we're fortunate enough to have Jeff Porter
6 here who is the mayor of Homestead. So I'm going to ask
7 Jeff to come up. And then we're going to go to Captain
8 Dan Kipnis, Andrew Chatterton and Renee Reichling.

9 MR. PORTER: Good afternoon everyone.
10 Thank you for the opportunity to address the Commission.

11 For the record, Jeff Porter, Mayor, City of
12 Homestead, address is 650 Northeast 22nd Terrace, Suite
13 100. I'm here to offer for the record a resolution
14 that's been passed and approved by the City Council,
15 it's Resolution 2007-12-153. In essence we have taken
16 the position as a city the need for additional power as
17 we grow our city.

18 As you all well know our community is
19 growing really fast and we don't have the capacity to
20 generate enough of our own so we do purchase a lot from
21 Florida Power and Light. They are an extremely good
22 partner, they've been with -- you know, we've been
23 partners for a long time. Actually, we're the sister
24 city so of record.

25 Economic impact on our city is a very large

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 key to the success of Homestead and from the perspective
2 of the City Council we've been very comfortable with
3 their track record as far as safety is concerned, their
4 ability to respond appropriately to whatever may
5 happen. We're pleased with that and would encourage
6 the NRC and the appropriate governing bodies to allow
7 the nuclear units to be built.

8 So, that's it. And I've put --

9 MR. CAMERON: Yeah, that's great. Thank
10 you, Mayor.

11 MR. PORTER: Do you want me to leave a copy
12 of this resolution with you?

13 MR. CAMERON: Oh, yeah, absolutely, that
14 would be good. And we'll make sure that it's considered
15 as a formal comment and, if we can, we'll attach it to
16 the transcript.

17 MR. POTTER: Okay. Thank you very much.

18 MR. CAMERON: Thank you.

19 Okay. That's Mayor Porter. And now we
20 have Captain Dan Kipnis.

21 CAPTAIN KIPNIS: Yes, thank you.

22 MR. CAMERON: You're welcome.

23 And Captain Dan is going to be talking about
24 some slides that he formally submitted to the NRC. We
25 don't have enough copies nearly for everybody in the

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 room but I think you'll get the impression, you'll get
2 the idea.

3 CAPTAIN KIPNIS: Chip, I'm going to
4 actually try to put it up on YouTube as well so I'll send
5 you that information and then whoever left their email
6 here can look at it as well.

7 MS. WILLIAMSON-DICKERSON: It will be part
8 of the main summary later --

9 CAPTAIN KIPNIS: Good.

10 MS. WILLIAMSON-DICKERSON: -- so people
11 will review it.

12 CAPTAIN KIPNIS: Thanks so much.

13 For the record, my name is Captain Dan
14 Kipnis. I live at 3156 Royal Palm Avenue, Miami Beach,
15 Florida, 33140. And also for full disclosure, I am part
16 of the lawsuit against the siting of this plant. I'm
17 one of two citizens who have standing. Everyone knows
18 where I'm coming from.

19 But I sat on the Miami Dade County Climate
20 Change Task Force and I work with the City of Miami Beach
21 Sea Level Rise Task Force and unfortunately the Mayor
22 of Homestead probably won't like to hear this but the
23 slides I'm talking about are sea level rise and it's
24 environmentally important to this project. All of
25 South Florida is going to change in the very near future;

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 it's doing it right now.

2 I found it very interesting that the Army
3 Corps of Engineers jurisdiction in the salt water is at
4 the highest annual high tide. The Army Corps of
5 Engineers under that scenario probably has jurisdiction
6 over all of Miami Beach because we flood with saltwater
7 at the highest tide of the year. That's what's going
8 to happen in South Florida.

9 My objection to the siting of this plant and
10 to the EIS is that it doesn't take the new and updated
11 sea level rise predictions into consideration. It is
12 using an older version of it, in the beginning it used
13 no version of it at all, at least the NRC said it was
14 not an issue. It's becoming an issue. One foot of sea
15 level rise on the southeast coast will put most of
16 Homestead and South Florida and Florida City and Cutler
17 Bay and Turkey Point underwater. Now that's at high
18 tide -- that's not at high tide, that's just under the
19 water all the time at mean tide, all right?

20 At high tide you can add, if it's a
21 three-foot tide or a four-foot tide, to that. My slides
22 show this. It's very disturbing to see the amount of
23 building going on down here and then a nuclear power
24 plant knowing that this is going to happen. This is not
25 "if," this is "when." And the latest observations by

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 NOAA and even the Army Corps of Engineer talks about
2 this, has a one-foot sea level rise sometime in the next
3 30 to 40 years. That means the plant would be finished
4 and go into operation and it would be an island.

5 Now I guess Miami Dade County would have to
6 come in and raise the roads to be above high tide, so
7 that's a three or four foot rise in the roads so the
8 workers can get to work. Or additionally, as it's going
9 up, we probably would have to raise roads just to get
10 the equipment in there and the men that are building the
11 plant there.

12 I'm not against nuclear power. I own stock
13 in Next Era which is the parent company of FPL, okay?
14 I make money off FPL, all right? This is strictly a
15 brains thing, here. Why build it when we know that
16 environmentally it isn't going to help us there because
17 we're going to run into problems that are not shown in
18 that EIS because of sea level rise.

19 Two feet -- well, Miami Beach goes two feet
20 also, so I have to tell you that. Doral's going three
21 feet. We have about 67 percent of the land surface in
22 Miami Dade County inside the UDB left so we're looking
23 at a customer base that's really going to shrink because
24 people are not going to live in the water. They won't
25 be able to.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 I promised Chip I wouldn't go on more than
2 three minutes or so, even though I have five. I think
3 I'm getting my point across. I'm not against nuclear
4 power, I'm against the EIS the way it's written here
5 without taking this into consideration seriously. And
6 I really hope that if we're going to spend \$30 billion
7 that we have to look at getting our money's worth for
8 it. Thank you very much.

9 MR. CAMERON: Thank you. Thank you,
10 Captain Dan.

11 And do we have Captain Dan's email?

12 MS. WILLIAMSON-DICKERSON: Yes, we do.

13 MR. CAMERON: Okay. So if anybody wants
14 to contact him further about this we'll be glad to
15 provide his email to you.

16 Let's go to Andrew, Andrew Chatterton is
17 coming up to join us now. And I'm not sure if Renee is
18 still here, but it -- we'll go there next.

19 MR. CHATTERTON: Hey, how you doing?

20 MR. CAMERON: Good.

21 MR. CHATTERTON: So good afternoon, how's
22 everybody doing today?

23 (Audience response.)

24 MR. CHATTERTON: So for the record, my name
25 is Andrew Chatterton, I live at 9740 Haitian Drive in

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 Cutler Bay, Florida, and I'm here to talk to you guys
2 about how nuclear power has changed my life.

3 In 2010 I was a roofer in South Florida and
4 I fell and busted my arms. Took pretty much everything
5 I had. Very humbling experience, if you haven't ever
6 experienced that I'm happy for you. But a friend of
7 mine told me to go take the POS test, which is the
8 aptitude test to get a job at Turkey Point, the
9 requirement is to have a GED. I did that and passed,
10 had a skyrocket career there in the past five years.
11 And it boiled down to a couple things. It's integrity
12 and hard work. It's where your handshake and your word
13 still mean something when you're working in nuclear
14 power and that means a lot to me.

15 So that being said, I'm the president of
16 North American Young Generation Nuclear. I'm also an
17 active board member in our chapter at the plant at Turkey
18 Point. We've got approximately 130 members and we are
19 basically the stewards of the industry. So if I don't
20 get out and promote nuclear power, and that's really
21 getting to the ground level. My wife, she's going to
22 be an early childhood education teacher, she'll
23 graduate this year from Miami Dade College, another
24 local establishment, rooted in the area. So recruiting
25 the best and the brightest in the industry is what our

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 mission statement is, to really change the current of
2 Florida's future leaders which is really starting at the
3 ground level, at the grassroots level for these
4 candidates. So we need doctors, we need lawyers,
5 definitely need some lawyers, for sure.

6 (Laughter.)

7 MR. CHATTERTON: But I also need the best
8 and the brightest of the scientific and math world, too,
9 to come make the clean, reliable, safe power even
10 cleaner, more reliable and more safe in the future.

11 So I'm here to say that the engagement teams
12 at Turkey Point represent probably about 250 to 350
13 active members that are engaged in community outreach.
14 We're involved with United Way, Susan J. Koman and
15 community service here in the city of Homestead, Florida
16 City, Miami Dade County. This community means the
17 world to us.

18 We work out there, we take pride in where
19 we work and we want our surrounding communities to have
20 the support and the opportunity to understand the growth
21 of the new plants being built are going to be, and that's
22 what we're trying to do with our community outreach. So
23 we want more people that want to come to work at nuclear
24 power plants and we want them to be excited to come and
25 work there and not scared.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 So back to my final thing and that's, we're
2 the stewards of this industry and it's my job as a member
3 of the staff out there to make sure that the community
4 and the surrounding neighborhoods understand that it is
5 clean, it is safe, you know. It's Captain Dan's points,
6 the rising sea levels, you know, I appreciate that, I
7 love the water. But we're also the cleanest and the
8 least impactful on the environment that have anything
9 to do with that.

10 So from myself to this group of panelists,
11 I appreciate the forum to come out and speak to you guys
12 today. I just want to express my gratitude to you guys,
13 having you come out and speak today. Appreciate your
14 time and have a great afternoon.

15 MR. CAMERON: Thank you. Thank you very
16 much, Andrew.

17 (Applause.)

18 MR. CAMERON: Is Renee Reichling here?

19 FEMALE VOICE: She isn't here.

20 MR. CAMERON: Okay. All right. And
21 Priscilla Star, did she ever come in? Okay, Priscilla
22 isn't here, either.

23 So we have some students here from the
24 University of Florida Nuclear Engineering program who
25 wanted to comment. And there's four of them and two of

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 them wanted to comment but I was going to ask them all
2 to come up together, okay, and the two commenters are
3 Nicolas Silva and Patrick Moo but they're also
4 accompanied by Allen Martin and James Schnitzel. And
5 Nicolas and Patrick are in the blue shirts and it's
6 Patrick, are you going to go first?

7 MR. MOO: Yes.

8 MR. CAMERON: Okay.

9 MR. MOO: Okay. My name is Patrick Moo and
10 I'm a senior nuclear engineering student at the
11 University of Florida. I'm also the president of the
12 University of Florida American Nuclear Society Student
13 Section. This is a position I took on to promote
14 nuclear science and technology and I, along with my
15 fellow students, understand the importance of energy
16 security in our State as much as anyone. This is why
17 we're here today to support the development of Turkey
18 Point 6 and 7.

19 Nuclear power plants typically operate at
20 capacity factors above 90 percent making them the
21 highest among all forms of energy. Nuclear power is
22 also the only emission-free baseload energy for grids,
23 large grids like those in South Florida. This is
24 critical to Florida since we are a State that relies on
25 clean air and beautiful beaches.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 Turkey Point 6 and 7 would avoid more than
2 265 million tons of CO2 emissions in the first 40 years
3 of operation. This is an amount that's equal to the
4 annual equivalent of removing 56 million cars from the
5 road. By providing clean and affordable energy that
6 these plants would produce we would help ensure that
7 Florida remains one of the best states to visit and
8 reside in. Thanks.

9 MR. CAMERON: Okay. And this is Nick?

10 MR. SILVA: Good afternoon, everyone.
11 I'm Nicolas Silver, I'm a Ph.D. student over at the
12 nuclear program at the University of Florida. And one
13 of the -- speaking from a student perspective means that
14 we -- you know, our concern is about getting a job after
15 graduation. And the building of these Units 6 and 7
16 presents us with employment opportunity. And to be
17 more specific on that, it's going to produce about 3,500
18 jobs during construction and 800 stable jobs upon
19 completion. And these are jobs that I can take as well
20 as many other students, many of my other colleagues.

21 It's important to note that these jobs will
22 be available not just to myself but generations to come
23 due to the longevity and reliability that comes from
24 running nuclear reactors.

25 And then aside from that there's the

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 concern that South Florida needs energy. And with
2 nuclear power you get clean, emission-free energy
3 that's reliable and stable and runs virtually 24/7, so
4 you always have power when you need it. On top of that,
5 the energy that's being produced is also very economic.
6 It will provide many customer savings. And to, you
7 know, be specific, it's also -- within the first year
8 of operations customers will save about \$644 million
9 from fossil fuel costs and then projected to 40 years
10 you'll be saving about \$64 billion. And for the course
11 of 60 years you'll be saving \$173 billion on fossil
12 fuels. I think that these units are economically
13 practical and provide a lot of future support for many
14 generations to come in South Florida. Thank you.

15 MR. CAMERON: Okay. Thank you. Thank
16 you, Nick. Allen, Andrew, anything you want to add to
17 Patrick and -- go ahead.

18 MR. MARTIN: For the record, my name is
19 Allen Martin. I'm a sophomore at the University of
20 Florida Nuclear Engineering program.

21 And after reading through a portion of the
22 EIS we have no qualms about any of the recommendations
23 made by the NRC or the Army Corps of Engineers. The
24 statements made in their assessment fully fulfills our
25 understanding of the Units 6 and 7 and the impact it

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 would have on the surrounding areas. So we recommend
2 that they move forward and go Gator's, go nuclear.

3 (Laughter and light applause.)

4 MR. CAMERON: Okay. And James, anything?

5 MR. SCHNITZEL: No, I'm pretty sure
6 they've covered everything.

7 MR. CAMERON: Okay. Thank you. Thank
8 you for taking the time from your studies to be with us
9 today.

10 And we're going to go to Rachel
11 Silverstein, Javier Gonzalez, Bill Riley and Peter
12 England.

13 And Rachel?

14 MS. SILVERSTEIN: Hello. Thank you for
15 the opportunity to speak today. I am Rachel
16 Silverstein and the Executive Director of Water Keeper
17 for Miami Water Keeper. We're a grassroots nonprofit
18 organization dedicated to the preservation and health
19 of Biscayne Bay, its watershed and its wildlife. Our
20 goal is to empower citizens ensure swimmable, drinkable
21 and fishable water in South Florida.

22 If this Turkey Point expansion is
23 undertaken Turkey Point will become one of the largest
24 nuclear generating facilities in the country which, in
25 and of itself, is not at all a bad thing. But

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 considering its location, in one of the most -- the areas
2 most vulnerable to sea level rise directly adjacent to
3 a national park, a State preserve and some really
4 critical habitat on Biscayne Bay, that does pose a
5 problem. This is a really ecologically and
6 economically important environment.

7 And the three major reasons that I'm going
8 to talk about today that this expansion is not
9 appropriate at this location is, potential
10 contamination of our water supply, excessive
11 withdrawals of water related to this project, the
12 vulnerability of the facility to sea level rise and the
13 inadequate incorporation of that aspect into the
14 Environmental Impact Statement as well as the
15 ecological fragility of the surrounding area. It's
16 already been impacted by the existing nuclear power
17 plant and excessive water withdrawals and the cooling
18 canal issues that are already existing.

19 There are over a dozen threatened and
20 endangered species in Biscayne Bay and nearly half a
21 million visitors visited Biscayne National Park in
22 2013. And there are -- there's an active community of
23 fishermen, boaters, divers, snorklers and recreational
24 and commercial fishing area that is important. And you
25 know, those jobs and those livelihoods and that culture

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 and heritage should be considered in this process as
2 well.

3 Even if you've never visited the Coral Reef
4 you're never going to catch lobster, you're never going
5 to go fishing for permit. One thing that we all have
6 in common here is that we all drink water. And access
7 to clean water and clean freshwater is absolutely
8 critical and is something that can be lost here in South
9 Florida and should be really considered very seriously
10 in this project.

11 Already there's a algal bloom that's
12 expanding uncontrolled from the cooling canal that's
13 already existing at the Turkey Point site and the
14 expansion of Turkey Point has the potential to further
15 impact those regional water resources. The proposed
16 radial collector wells which stretch underneath
17 Biscayne Bay and would require as much as 7.4 billion
18 gallons of water a year. To put that into perspective,
19 the entire Florida Keys uses just over 6 billion gallons
20 of water a year. That's over a billion gallons of water
21 more than the entire Florida Keys.

22 The withdrawal of this water would increase
23 salinity levels in Biscayne that have already been
24 drastically and dramatically changed by the draining of
25 the Everglades and this would increase the rate of

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

(202) 234-4433

(202) 234-4433

1 saltwater intrusion into our limited freshwater
2 supplies. There's also the potential for the
3 contamination of our freshwater supplies by chemicals
4 related to the nuclear power generation.

5 FPL has proposed using millions of [gallons
6 of] reclaimed wastewater as the primary source of
7 cooling water for the proposed new reactors and this
8 wastewater would then, after use, to back into our
9 groundwater where it would be adding chemical
10 contaminants to our groundwater supplies. We have
11 very, very vulnerable groundwater to contamination.

12 A study was done a few years ago where some
13 dyes were put near a wellhead and it was expected that
14 they would take a few days to weeks to be detected by
15 special detectors. And they put in the red dye and
16 within a few hours, people's laundry were turning pink
17 in their washing machines. We have very vulnerable,
18 vulnerable water supply to contamination so it has to
19 be really taken very seriously and considered very
20 carefully which I feel that the EIS has not done
21 adequately.

22 In addition, as Captain Dan Kipnis noted
23 there is only one foot of sea level rising accounted for
24 in this plan which is better than no sea level rise. But
25 it is still not adequate to meet what NOAA has

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 recommended which is to consider three to four feet of
2 sea level rise to be more realistic to models and more
3 conservative in planning. You know, this is really a
4 question of how Miami wants to move into the future and
5 whether or not we want to face this issue head-on and
6 really prepare and plan for it or whether we want to be
7 caught off-guard like some other places in the world
8 have been when flooding and storm surge and storms in
9 themselves have impacted critical infrastructure. And
10 we don't want that to happen here in this really fragile
11 and important area. And to affect a nuclear power plant
12 that we all rely on as well. So to be more cautious here
13 is really the best way to go, in my opinion.

14 So thank you so much for your time. We
15 don't want to risk losing this beautiful ecological and
16 economic draw of Biscayne Bay that we all have chosen
17 to live in and around and really admire and respect.
18 Thank you so much.

19 MR. CAMERON: And thank you, Rachel.

20 Javier?

21 MR. GONZALEZ: Hi. For the record my name
22 is Javier Gonzalez, 3622 Salon Road, Coconut Grove,
23 Florida.

24 Yesterday the President of the United
25 States visited the Everglades and listening to his

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 remarks a couple of comments stood out. There are 1.5
2 million acres of Everglades and over one million visits
3 by individuals yearly in a State that generates over \$82
4 million -- excuse me, \$82 billion in tourism dollars.
5 But the main comment that caught my attention is that
6 over seven million, seven million Floridians get their
7 drinking water from -- and I quote, from this incredible
8 bounty of land. One which Majory Douglas said, there
9 is no other place like the Everglades.

10 By the way, yesterday her home in my
11 neighborhood in Coconut Grove was designated a
12 landmark.

13 What I cannot understand, and I'm a simple
14 fellow, is that if the president of the most powerful,
15 respected nation in the world and our Federal government
16 acknowledges and accepts the climate change is playing
17 a role in endangering our water and our air, how can FPL
18 deny an increasing footprint and power output will not
19 stress an endangered environment? They have already
20 answered higher acceptable water temperature levels.
21 They are already using water from our canals that were
22 set aside for restoration. They were already using
23 waters from our aquifers on an emergency basis.

24 As I mentioned earlier, I'm a simple fellow
25 with no degree in law or science and I know that a lot

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 of fancy language is being used but I do know that
2 someone at the present is concerned about -- and said
3 that climate change will have no bigger impact than in
4 South Florida. And maybe, just maybe us simple and
5 smart folk should revisit FPL's plan. And maybe we can
6 conduct a supplemental EIS to review the water quality
7 and climate change.

8 On a personal note, I'm a candidate for
9 District 2 which is City of Miami which encompasses
10 Coconut Grove. And one of our biggest concerns and one
11 of our residents' biggest concerns is climate change.
12 It is the future. I won't get into the specifics and
13 all the numbers but I know that [for] every young kid
14 out there, this is a topic. And if this is a concern
15 that we should be worried about, truly FPL, you might
16 want to take a look at this. This might not be the best
17 idea.

18 I wish you guys luck. Thank you.

19 MR. CAMERON: Thank you. Thank you,
20 Javier.

21 Bill Riley and then we'll go to Peter
22 England.

23 MR. RILEY: How are you doing today?

24 MR. CAMERON: Good.

25 MR. RILEY: Good. Good afternoon. My

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 name is Bill Riley, I'm the business manager and
2 financial secretary for the International Brotherhood
3 of Electrical Workers and President of the South Florida
4 Building Trades Council. On behalf of 1,800 of our
5 members we would like to request that you adopt the
6 recommended final order of certificate and certify the
7 Turkey Point Units 6 and 7.

8 The South Florida community has benefited
9 tremendously from Florida Power and Light's investment
10 in nuclear power over the last 40 years. Turkey Point
11 has not only been providing Florida Power and Light
12 customers with clean, very clean, reliable energy but
13 has also been very supportive of our local environmental
14 issues along with the South Florida economy while
15 creating jobs in the process.

16 Reports indicate that Turkey Point Units 6
17 and 7 will create 3,500 jobs during the course of
18 construction and 800 permanent, good-quality paying
19 jobs for our local residents once the plant has become
20 operational. The construction of these units will
21 represent one of the largest projects in the State's
22 history and the jobs it creates will benefit thousands
23 of South Florida families while protecting the
24 environmental issues.

25 In addition to the construction projects

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 these units will need maintenance and refueling on a
2 regular basis just like the existing nuclear units.
3 These periods are known as outages resulting in hundreds
4 of additional temporary jobs for area workers which
5 helps local businesses keep their customers that they
6 already have and generate a large ripple effect through
7 the economy.

8 We are convinced that the -- this important
9 project will be a strong positive benefit for our entire
10 State in South Florida. Along with a very strong
11 environmental partner like Florida Power and Light we
12 do and think that we can even do better, create random
13 things for the communities and for the environment.
14 And we strongly urge you to approve this project.

15 I have two articles that I'd like to leave
16 with you. I won't go into them too much other than to
17 say one is in the -- one was in the "Sun Sentinel" by
18 the ex-governor of New Jersey. And just a quick comment
19 quote, "moreover, nuclear energy provides 98 percent of
20 Florida's carbon-free electricity. Because nuclear
21 plants produce no greenhouse gases, Florida has --
22 reactors have effectively offset 15 billion tons of
23 carbon emissions each year. That equivalence of
24 removing three million cars from the roadways." And
25 that was by Christine Whitman.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 The other one was in the "Miami Herald," I
2 believe it was, or the "Sun Sentinel" by Brower. And
3 her comments were "numerous studies show that the
4 effects of carbon pollution on the environment, the
5 United Nations Interglobal Panel on Climate Energy and
6 Climate Change shows that it is extremely likely that
7 human activities and greater greenhouse gases are
8 responsible for more than half of the observed rise in
9 global temperatures and that the global sea level will
10 rise another 26 to 98 centimeters by 2100."

11 And then she goes on to say, "regarding
12 nuclear energy it is especially important as provided
13 about 12 percent of the State's electricity but accounts
14 for a full 98 percent of the emissions-free
15 electricity." So emission-free electricity.

16 So I think Florida Power and Light is doing
17 a great job. I think that they are without a doubt as
18 much concerned about the environment as anybody in this
19 room and we hope very much that you will support this
20 application.

21 Thank you very much.

22 MR. CAMERON: Okay. Thank you again.

23 MR. RILEY: I don't know if you need this
24 for the folks or not.

25 MR. CAMERON: We'll put that in. Thank

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 you.

2 And here's Peter England. And then we'll
3 go to Yvonne Knowles after Peter.

4 MR. ENGLAND: Thank you and good
5 afternoon. I'd like to thank the NRC for holding these
6 hearings. I'd like to thank all of you for coming out
7 and showing your interest because this is an extremely
8 important subject.

9 I'm speaking today as a resident. I'm not
10 representing anyone, I am not a scientist. But as a
11 resident, I live here by choice as do most of you. I've
12 lived here, as I said, for 30 years which means I lived
13 through Hurricane Andrew. Can I see a show of hands?
14 How many of you here in the room lived through Hurricane
15 Andrew? You know, that is indicative of what happens
16 when you no longer have a reliable supply of
17 electricity. And that is what my concern is and that
18 is what brought me here today.

19 Turkey Point 6 and 7 represent what I
20 believe to be a necessary element of additional power
21 to this community. We operate, we live at the end of
22 the power grid. All of our energy with the exception
23 of what's coming out of Turkey Point is basically
24 imported from the north which makes us highly vulnerable
25 in the case of storms and other potential natural

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 interruptions. The plant is operated well, it's
2 operated safely for over 40 years. And it's cited, the
3 fact is there is already a nuclear facility at that
4 location. To our friend Captain Dan who spoke earlier,
5 as a shareholder, you must have some idea of what the
6 degree of difficulty would be in trying to site a new
7 nuclear facility.

8 (Recording briefly inaudible.)

9 -- requires additional electric capacity,
10 it requires it here in Miami Dade County and it requires
11 it at Turkey Point. And we urge the NRC to proceed with
12 the application. Thank you very much.

13 MR. CAMERON: Thank you, Peter.

14 Yvonne? Yvonne Knowles, and then we'll go
15 to Jose Renee Infante.

16 MS. KNOWLES: Good afternoon. My name is
17 Yvonne Knowles, I'm the Director of the Homestead Main
18 Street Program which is a downtown organization. We're
19 from the United States and we're devoted to economic
20 revitalization of urban core communities.

21 The Hurricane Andrew wiped out Homestead,
22 pretty much all the businesses dropped, our population
23 dropped dramatically and we're rebuilding now but we're
24 not there yet. Unlike other cities north of us who have
25 rebounded economically, Homestead is still struggling.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 We are coming around the corner, we're making some major
2 progress but we definitely need more jobs and we're
3 looking at a potential of greater jobs and higher paying
4 jobs with this expansion. So we really -- I can't speak
5 to the science, I'm not a scientist, there's much
6 smarter people in this room than I. But I do know that
7 the impact of our downtown and the partnerships we've
8 had over the last few years with FPL has greatly helped
9 us and we really strongly need and encourage this
10 expansion for the jobs and the economic revitalization
11 of our community.

12 Thank you very much.

13 MR. CAMERON: Thanks, Yvonne.

14 Jose? And then we'll go to Bill Duguette
15 and Devika Kaul.

16 MR. INFANTE: Good afternoon. My name is
17 Jose Renee Infante, I'm the President of Redland Market
18 Village. We are located at 24420 South Dixie Highway.
19 We own a farmer's market and a flea market there. About
20 700 families make a living there. We've been in
21 operation for the last 28 years.

22 We are in full support of this application
23 and the reason that we have, the main reason is that we
24 are part of a very low-income persons that are part of
25 our business. And every penny counts. And we need

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 safe, clean, affordable energy. So that's the reason
2 we are supporting, and please approve the 6 and 7.

3 Thank you.

4 MR. CAMERON: Thank you, Jose.

5 And Bill? Bill Duguetto, and then Dekiva
6 Kaul and Robert McColgan.

7 MR. DUGETTE: Thank you.

8 I'm Bill Duguetto, I live at 27433
9 Southwest 157th Avenue in Redland, Florida. I'm also
10 Chief Executive Officer of Homestead Hospital. I'm the
11 past chair of our Chamber of Commerce, South Dade
12 Chamber of Commerce. And thank you for giving us the
13 opportunity to address the Commission today.

14 I'd like to speak strongly in support of
15 adding the two nuclear units at Turkey Point. There
16 will be a huge -- as many other people have mentioned
17 earlier -- huge economic, continued economic impact to
18 deep South Dade and not only deep South Dade but the
19 communities going up the north and south U.S. 1 corridor
20 as well.

21 Currently as everybody kind of heard from
22 a couple other speakers, there's 700 employees at Turkey
23 Point with an additional industry of indirect jobs
24 related to that which brings in, it nets us \$500 million
25 annually toward local economies. So for every dollar

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 spent at Turkey Point the local economies produce about
2 43 which is a huge impact.

3 And as Yvonne did mention, post Hurricane
4 Andrew, we're finally getting back to the previous level
5 we were so this would be a huge boom to our local
6 community.

7 The additional units will, of course,
8 provide additional -- a number of additional jobs.
9 After all is said and done comparatively, plus
10 construction of about ten years, that will be an
11 additional 800 full-time higher paying jobs not only
12 again in deep South Dade, Homestead and Florida City and
13 up the road.

14 FPL is -- and I should mention that FPL will
15 provide and continues to provide significant tax,
16 property tax revenues not only to Miami Dade County but
17 also helping the school board. FPL is a great corporate
18 citizen, the employees and the administration of Turkey
19 Point are active in many, many events in our community.
20 They provide a lot of money to United Way, for
21 everything. We have Relay for Life at the hospital
22 campus this weekend, they'll be out there. They're
23 very into community activities and being good community
24 citizens.

25 I'd like to speak really quickly about

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 environment. I'm not an environmental engineer, what
2 it means, but somebody spoke earlier about the
3 cleanliness of the nuclear energy, the lack of emissions
4 and the carbon footprint that is not being produced
5 because of nuclear energy. I have a new grandson, I
6 look forward to him and his children and his
7 grandchildren having affordable, clean energy for their
8 generations to come, for them and their generations to
9 come.

10 I'd also like to mention, somebody
11 mentioned earlier, not positively necessarily,
12 agreeing that one of the neat things I think that they're
13 doing, they're engineering this project, is they're
14 reclaiming wastewater from Miami Dade County to about
15 60 million gallons a day which would otherwise go down
16 into Biscayne Bay or the ocean or the deep wells that
17 we have. That this will also be reclaimed and recycled
18 for continuing cooling. FPL, Turkey Point has been a
19 great environmental advocate. The cooling canals, I
20 don't know if you guys have been over there, I welcome
21 you to -- I would suggest you go over there. They've
22 done a lot environmentally to make sure that all the
23 species and everything is maintained. Plus they have
24 a unit onsite to look at environmental issues.

25 Anyway, so I would like to just lend you our

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 support. Thank you guys very much. We look forward to
2 this happening.

3 MR. CAMERON: Okay, thanks. Thank you,
4 Bill.

5 And Devika?

6 MS. KAUL: Good afternoon. My name is
7 Devika Kaul, I'm a student at the University of Miami
8 and I'm a senior here and I'm representing a large number
9 of students at UM who oppose the expansion of the Turkey
10 Point Power Plant for a couple of reasons. There are
11 many potential risks to public health associated with
12 this project as well as stress to the environment.

13 First of all, this project can cause
14 contamination of our groundwater. The proposed radial
15 collector wells would remove billions of gallons of
16 water each year from the bay which could increase
17 salinity levels and increase the rate also of hot water
18 intrusion into our limited freshwater supply.

19 Also, FPL's application only accounts for
20 one foot of sea level rise despite the fact that NOAA
21 recommended to account for three to five feet of sea
22 level rise. And because Turkey Point is located
23 directly on the shoreline of Biscayne National Park it's
24 already vulnerable to sea level rise, storm surge,
25 flooding, hurricanes, et cetera, as some other people

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 have said before. So we don't feel like this plant is
2 safe.

3 Also Biscayne National Park is the
4 country's largest marine park and is home to incredible
5 life diversity, important habitats, watersheds and
6 ecosystems. The expansion of Turkey Point puts these
7 natural resources at risk. We also feel that Miami's
8 economy relies heavily on its tourism industry and it's
9 in the best interest of the tourism economy to keep
10 Biscayne National Park pristine, safe and clean for the
11 people who come here to see its beauty every year.

12 So thank you. And I just wanted to say we
13 do not support the expansion of Turkey Point.

14 MR. CAMERON: Thanks, Devika. Thank you.

15 Robert, Robert McColgan?

16 MR. McCOLGAN: Good afternoon. My name is
17 Robert McColgan, I live at 425 Southwest 3rd Terrace,
18 Hallandale Beach in Broward County.

19 I'm here today not to endorse or be against
20 the new nuclear plant. I've had a lot of experience in
21 nuclear, my field is environmental health and safety and
22 for many years. Hallandale is approximately 39 miles
23 from Turkey Point.

24 Okay. I have had a lot of experience, I
25 went to school with Westinghouse Nuclear, I unloaded

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 nuclear waste, I had -- when I was environmental health
2 director with the Seminole Tribe we visited the West
3 Valley Nuclear Disposal site and I worked with some
4 cobalt 60 on some projects and keep my certification
5 very proficient and survey meters and those senders.

6 So we're talking about the -- presently in
7 the Westinghouse units 3 and 4, approximately 700
8 megawatts each, so 1,400. And the Westinghouse AP1000
9 units will be approximately 1,200 each. So we'll wind
10 up about 3.6 megawatts of power. The problem they had
11 in Japan at the -- at that plant was 4.4, they had four
12 reactors when they had the overflow.

13 So I'm not here to talk about whether it
14 should or should not be, I'm here to talk about one
15 thing. I'm on a number of committees in Broward County
16 which -- (inaudible) -- Planning Council and many other
17 boards. I'm here to represent myself as a lone wolf,
18 and a one-armed pig or something. But to get to the
19 point, there is a -- NRC is responsible for -- when I
20 was with the Seminole Tribe I did all these
21 environmental assessments, most of the environmental
22 assessments for Federal -- Federal jobs are the
23 environment assessments, not the impact. So I'm very
24 familiar with those.

25 So to get down to the point, Monroe County

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 has a safety plan in case of a spill, and spill could
2 see -- okay, they say our core of reactors may produce
3 10,000 Roetgens. You're loading up the Westinghouse,
4 the rods to say three and a half percent uranium. When
5 you get finished with them you bring down about one and
6 a half percent uranium, it's called spent rods.
7 Unfortunately we do not have a good repository in the
8 United States to store them so they're stored onsite.

9 So if you had an accident at one of the
10 nuclear plants, whether it be here or anyplace else,
11 we'd probably not be -- not the roof blowing off like
12 in the Ukraine which can produce like 10 or 12,000
13 Roentgens blowing in the air. But you would have no
14 problem here but you may have a problem if somebody
15 accidentally or otherwise took the water out where the
16 spent rods storage is. It would release probably
17 1,000, 1,500 Roentgens if that was released. So that
18 would be the only thing.

19 So my only point, in conclusion, there is
20 an excellent plan for Dade County and an excellent plan
21 for Monroe County on how to handle not just a nuclear
22 waste or nuclear air quality or nuclear -- or how to get
23 the cars out of town. It's all good, it's all tied in
24 together, it's two separate studies. One's been in
25 existence for a long time. Well done.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 My only complaint -- that's what I come down
2 here for -- Broward County has no safety plan. I did
3 call a Broward County Emergency Management a few months
4 ago and I asked them for their Turkey Point nuclear plan
5 in case something happened. And plan like similar to
6 Dade or Monroe. And I asked, can I have a copy of your
7 plan? And they looked and looked and couldn't find it.
8 Then they called me back 15 minutes later and they said,
9 oh, it's not required. So therefore, I'm coming back
10 to the source, the one who requires it. Also a
11 high-level person, a friend of mine who's environment
12 health administrator with the Broward County, the
13 Division of Health for the State, I asked him to help
14 on this and he come back a week or so later, he had a
15 funny look on his face. I know, it's not required.

16 He said, you know, it's not required,
17 that's why it's not done.

18 I was working my way up to Scott Israel
19 (phonetic) who is a friend mine on political things,
20 he's the sheriff. But I talked to one of his aides this
21 morning about what I was going to do today, he says, all
22 right, well, wish you luck.

23 So therefore, everybody means well.
24 There's -- if it's from NRC is the one who requires it
25 or doesn't or coordinates, why can't NRC have, okay,

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 we've got Dade County here, Monroe County here, why
2 can't Broward County be tied in? Why does it have to
3 have these boundaries like ten miles or fifty miles?
4 Why can't we change that? Why can't we have some sort
5 of plan for Broward County even if it showed people how
6 to get out of town or what to do?

7 Thank you.

8 MR. CAMERON: Thank you, Robert, for that
9 information. Thank you.

10 Joseph, Joseph Segor?

11 MR. SEGOR: Thank you very much for this
12 opportunity. I originally didn't expect to speak here.
13 I haven't prepared any formal remarks.

14 I've lived in this county since 1951. I'm
15 a retired public lawyer. I'm very familiar with this
16 local area. I was President of Central Contasino
17 (phonetic) Phone Records Center for 27 years. I do not
18 speak for the organization, I am here solely to speak
19 for myself.

20 And the concern I want to raise today is one
21 that probably won't occur in my lifetime so it's for the
22 people of the future that I would like to talk. It seems
23 that the estimates for sea rise have been continually
24 been being raised. We have recently learned that the
25 west end arctic ice sheet is inevitably going to slide

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 into the sea. If that should ever happen with the east
2 end arctic ice sheet, all bets are off as to how high
3 the ocean is going to go. And that is my concern.

4 What I would suggest here is that a careful
5 scientific analysis be made to determine at which point
6 it would be prudent to say we now must close the plant
7 if it is built. And if that point comes then there must
8 be a plan already in place for the closing of the plant
9 and the removal of all radioactive material from the
10 coast to some safe place. And that safe place should
11 be designated before the plant is built, not afterwards,
12 and the method of removal should be designated before
13 the plant is built and not afterwards.

14 Those are my concerns. I'm willing to
15 assume, as we lawyers say, but not admit all of the good
16 stuff. But the scientific estimates of the rise of the
17 sea have all been too conservative and I think that
18 should be taken into very careful consideration before
19 this plant is built.

20 Thank you.

21 MR. CAMERON: Thank you. Thank you,
22 Joseph.

23 Is there anybody else who wants to comment?
24 Cindy. All right. And just please introduce yourself
25 to us again.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 MS. SWENSEN: My name is Cindy Swensen, I
2 live at 295 South Harbor Drive in Key Largo, Florida.
3 I have been living here in the Florida Keys for 30 years.
4 I am also a 30 -- a pharmacist for 30 years.

5 Some of -- well, first of all I'm going to
6 tell you my life, a little bit, very quickly. That the
7 Florida Keys waters are my home. Every day, every other
8 day I snorkeled in Biscayne Bay, I snorkeled along the
9 sea walls. I have watched changes in the bleaching of
10 the coral. I've seen the coral decimated. I have
11 seen fishing, our fish population killed. It's very
12 upsetting to me.

13 I also have read your impact, your
14 ecological impact that clearly says, when required,
15 permanent disturbance to approximately 573 acres of
16 habitat. It would affect wetlands, it would create
17 mud. It will create a lot of killing of lifestyle, of
18 life, of wildlife in our areas. You clearly say some
19 habitat will be permanently lost, some wildlife will be
20 killed and other wildlife will be temporarily
21 displaced. And you consider this small to moderate?

22 We talked about the butterflies, we talk
23 about the bobcats, we talk about the marsh rabbits. We
24 talk about the tarpin, we talk about the porpoises.
25 We're talking about -- I'm looking at my notes because

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 I really haven't prepared anything. We're talking
2 about the voice of the water, the voice of the
3 environment, the voice of the wildlife. I understand
4 nuclear energy is safe, I'm also concerned about human
5 error. I've been a pharmacist for 30 years. I've had
6 FPL workers come in to me stressed out because there was
7 a leak in the reactor and they had to shut down. It was
8 an immediate issue and I can't disclose because have a
9 HIPAA requirement that I can't talk about a patient's
10 stress. But there is human error at any job site, I
11 don't care how safe a nuclear reactor or nuclear power
12 plant is.

13 Our planet is bleeding and I think we have
14 to make every effort to protect our planet and Biscayne
15 Bay. We talk about water and how we're going to reuse
16 water sewage. Miami Dade can't even get their pipes
17 right. We're flooding Miami Dade, sewers backing up.
18 They were supposed to replace pipes over the last 30
19 years, they did not do so and we're going to be counting
20 on those pipes to provide water to this nuclear plant?
21 What about the water that's not going to go to the
22 Florida Keys because Turkey Point needs it? What's our
23 water pressure going to be like in Turkey -- in Florida
24 Keys?

25 Those are some of the things. You know,

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 the one gentleman talked about being a nuclear steward,
2 that he's proud of his efforts as a nuclear steward and
3 for his children. I agree with that, I have no problem
4 with him educating his children to the benefit of
5 nuclear energy. However, don't forget about being an
6 environmental steward and a steward to your planet.

7 Once those towers are built we can't go
8 back. If the temperature in our water in Biscayne Bay
9 rises and we continue to get algae blooms and we continue
10 to get fish killing because of the rise in salt, salinity
11 and we have rise in temperatures we are doomed. We need
12 to also represent the voice of the ocean, the water and
13 the wildlife.

14 MR. CAMERON: Okay, thank you, Cindy.

15 Anybody else want to comment before we
16 close?

17 Okay. We have two people. Come on up, sir
18 and we'll have the woman in the back come up. And just
19 please introduce yourselves.

20 MR. BERZOWSKI: My name is Bill Berzowski.
21 I'm a small business owner in Homestead and we employ
22 about 50 people, family impact, the whole nine yards.
23 But I was offered an opportunity to move to Alabama, very
24 lucrative opportunity, and FPL kept me here. They're
25 very good to work with, I see no evidence of

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 environmental impact, and I support the expansion.
2 Thank you.

3 MR. CAMERON: Thanks, Bill.

4 Hi.

5 MS. HUDAK: Hi.

6 MR. CAMERON: Just please go right up there
7 and just please introduce yourself.

8 MS. HUDAK: Jill Hudak, Homestead
9 resident.

10 After listening to everything about the
11 ecological impacts, which I'm concerned about, but I
12 feel that there is no real evidence of sea water rise.
13 I've heard nobody say last year it rose all that much.
14 All they say is within 30 years it rose. So if we stick
15 with clean, nuclear power like other people have said,
16 we will not impact the carbon footprint. And as far as
17 it -- if it does rise, where are we all going to go? We
18 have to be realistic. I say with the impact of jobs,
19 of good growth community, I think we need the reactors.

20 MR. CAMERON: Thanks, Jill.

21 And we're going to go to our Senior NRC
22 official, now, Mark Delligatti, to close out. And just
23 a note for Bill Berzowski and Jill, if you could just
24 give the spelling of your last name to Michael, the
25 stenographer, after we close then we'll have that

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1 correct in the transcript. Thank you.

2 MR. DELLIGATTI: Well, I'd like to thank
3 you all again for coming out today. I'd like to thank
4 you for your eloquence in presenting your positions. I
5 am particularly happy to see the students coming out and
6 speaking your opinions on both sides of this issue. You
7 did yourselves and your universities proud, one of the
8 most important things that I have found for a person to
9 be successful is the ability to speak convincingly and
10 each one of you did speak convincingly to us. Thank you
11 for that.

12 We will take back the comments that we have
13 received and we will work them through the process so
14 that when we come out with our final EIS in a year or
15 so time we will have considered any and all of your
16 written and oral comments. If you have comments that
17 you think of later during the comment period, please
18 submit them to us. Any detail you can give us with where
19 in the EIS you may have found a problem or a deficiency
20 or something you don't understand, if you can point that
21 out to us that helps us a lot to make our final EIS a
22 stronger and better document.

23 And again, thank you all for coming out. I
24 think we have some time to chat with you individually
25 if you have any questions for us. But thanks again.

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS
1323 RHODE ISLAND AVE., N.W.
WASHINGTON, D.C. 20005-3701

1

(Applause.)

2

(The meeting was adjourned.)

3

4