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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

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CRYSTAL RIVER UNIT 3
NUCLEAR GENERAL PLANT
LICENSE RENEWAL PROCESS

and

ENVIRONMENTAL SCOPING MEETING

+ + + + +

Thursday, April 16, 2009
The Plantation Golf Resort & Spa
9301 West Fort Trail
Crystal River, Florida

The above-entitled hearing was conducted
at 7:00 p.m.

BEFORE: DAVID WRONA, Facilitator

I N D E X

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P R O C E E D I N G S

7:00 P.M.

1
2
3 MR. WRONA: Welcome, and thank you for
4 coming out this evening. My name is David Wrona. I'm
5 a supervisor with the Nuclear Regulatory Commission,
6 and here representing our Division of License Renewal,
7 along with Mr. Robert Kuntz and Ms. Elaine Keegan, who
8 are the Project Managers, for they will be going over
9 the details of our review here in a little bit.

10 I have the privilege to act as a
11 facilitator for this evening's meeting. In addition
12 to the License Renewal Staff that we have here, Mr.
13 Roger Hannah from our Office of Public Affairs in
14 Atlanta is here to support us.

15 We are here for basically two reasons
16 tonight. The first is to walk you through our license
17 renewal, both the safety and the environmental review
18 associated with the Crystal River Unit 3 License
19 Renewal Application Review. And probably the biggest
20 reason we're here is to receive your comments as to
21 what environmental issues the NRC should consider
22 during our review.

23 To start things off, I just want to go
24 through what to expect from this evening's meeting.
25 I'll go through a couple of ground rules and then I'll

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1 turn it over to our presenters.

2 For the Agenda, we have a fairly short
3 presentation on the NRC's license renewal process,
4 after which we will open up the meeting to listen to
5 your comments.

6 And again, since our main focus is to
7 gather comments on what issues to include during our
8 environmental review, we would like to limit the back
9 and forth discussions and focus on receiving your
10 comments that we can use during the development of our
11 Environmental Impact Statement.

12 This meeting is being transcribed. As
13 such, when it's your turn to speak, if you could
14 kindly approach the microphone and identify yourself.
15 That's very important that we only have one person
16 speaking at a time. This will keep a very clear and
17 clean transcript for us.

18 I want to stress that speaking here
19 tonight is not the only way that you can provide
20 comments on this process. Our presenters will go over
21 several other methods when they go through their
22 slides.

23 We are going to do our best to get to
24 everyone tonight. It shouldn't be a problem. So far
25 we only have three speakers who have signed up. But

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1 if you could still be concise and to the point with
2 your comments, we'd certainly appreciate it.

3 If you wanted to speak and you hadn't had
4 a chance to sign up with one of these yellow cards,
5 just flag me down when somebody else is speaking and
6 I'll walk one over to you.

7 In addition to the yellow card, which if
8 you noticed on there, there was a place to check if
9 you wanted to be added onto our distribution list for
10 the environmental reports and documents that we'll be
11 issuing during this review.

12 We also have a non-speaker blue card,
13 which you could do the same thing if you want to get
14 on our mailing list. They're over at that table, and
15 just grab one on your way out or during the meeting.

16 A couple other forms I'd like to point
17 everybody's attention. If you didn't have a chance to
18 sign in, we have a registration sheet over at that
19 table, and we also have a Public Meeting Feedback form
20 on that table. If you'd like to take a minute to fill
21 that out, it helps us improve our public meetings.

22 And one last thing for me is, if you have
23 any electronic devices, if you can kindly silence
24 them. And with that, I'm going to turn the meeting
25 over to Mr. Robert Kuntz to start the presentation.

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1 MR. KUNTZ: Good evening. As Dave
2 mentioned my name's Rob Kuntz. I am one of two
3 Project Managers that helped put this presentation
4 together. Today the other is Elaine Keegan. And the
5 purpose of this meeting is to discuss the Crystal
6 River Unit 3 License Renewal Application.

7 I'd like to take the time to thank
8 everyone for coming this evening, and we'll have a
9 comment period at the end, like Dave mentioned.

10 Tonight we'll provide an overview of the
11 license renewal process, which includes both a safety
12 and environmental review. We also describe in more
13 detail the environmental review process associated
14 with the license renewal review. But the most
15 important part of today's meeting, as Dave mentioned,
16 is to receive any comments that you may have on the
17 scope of the environmental review. We also will give
18 you some information about how you can submit comments
19 outside of this meeting.

20 At the conclusion of tonight's meeting, we
21 will be happy to answer any questions that you may
22 have on the license renewal process. However, I must
23 ask that you limit your participation to questions
24 only and hold your comments until the appropriate time
25 during the meeting. Once all questions are answered

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1 we can begin to receive any comments that you have on
2 the scope of the environmental review.

3 I hope the information that we provide
4 will help you to understand the license renewal review
5 process and the role that you can play in helping us
6 to make sure that our environmental review considers
7 relevant information.

8 Before we get into the discussion of the
9 license renewal process, I'd like to take a minute to
10 talk about the NRC in terms of what we do and what our
11 mission is.

12 The NRC is a federal agency established by
13 the Energy Reorganization Act of 1974, and we regulate
14 the civilian use of nuclear material. The Atomic
15 Energy Act of 1954 authorizes the NRC to grant 40 year
16 operating licenses for nuclear power reactors. This
17 40 year term was based primarily on economic and anti-
18 trust factors. Not on safety or technical
19 information. The Atomic Energy Act also provided for
20 the possibly of license renewals.

21 The National Environmental Policy Act of
22 1969, establishes national policy for considering the
23 impact of federal decision making on the human
24 environment. As a matter of policy the Commission
25 determined the reactor license renewal constitutes a

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1 major federal action for which an environmental impact
2 statement is warranted.

3 The NRC's regulations governing nuclear
4 safety, security, and environmental protection, are
5 contained in Title 10 of the Code of Federal
6 Regulations, also known as 10 C.F.R. An exercise in
7 its regulatory authority, the NRC's mission is
8 threefold. To ensure adequate protection of public
9 health and safety, to promote the common defense and
10 security, and to protect the environment.

11 The NRC accomplishes its mission through
12 a combination of regulatory programs and processes,
13 such as establishing the rules and regulations,
14 conducting inspections, issuing enforcement actions,
15 accessing licensee performance, and evaluating
16 operating experience from nuclear plants across the
17 country and abroad.

18 The NRC has resident inspectors at all
19 operating nuclear power reactors. These inspectors
20 are considered the eyes and ears of the NRC. They
21 carry out our safety mission on a daily basis and are
22 on the front lines of ensuring acceptable safety,
23 performance, and compliance with regulatory
24 requirements.

25 And now specific to Crystal River Unit 3.

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1 The original license was granted in 1976, and the
2 current operating license expires December 3rd, 2016.
3 Florida Power Corporation filed an application for
4 license renewal on December 16th of last year.

5 Some general information about what comes
6 in a license renewal application. There's information
7 about the licensee, the name, address, business and
8 administration information. There's technical
9 information, which pertains to aging management. This
10 information is the focus of the safety review.

11 Technical specifications, which define the
12 operating parameters of the plant. The application
13 will identify any additions or modifications to the
14 technical specifications required to effectively
15 manage aging and the extended period of operation.

16 In Crystal River's case there were no
17 proposed changes to the technical specifications. And
18 the application also contains an environmental report,
19 which is the applicant's assessment of environmental
20 impacts of continued operation. This information
21 serves as the starting point for the staff's
22 environmental review.

23 License renewal involves two parallel
24 reviews; a safety review and an environmental review.
25 These two reviews evaluate separate aspects of the

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1 license renewal application. The safety review
2 focuses on the aging effects of passive and long live
3 components and structures that the NRC deems important
4 for plan safety. The staff's main objective in this
5 review is to determine whether the effects of aging
6 will be adequately managed by the applicant. The
7 review also considers generic and site specific
8 operating experience related to aging effects. The
9 results of the safety review are documented in a staff
10 evaluation, a safety evaluation board report or SER.

11 For environmental review the staff
12 considers, evaluates, and discloses the environmental
13 impacts of continued plant operation for an additional
14 20 years. The staff also evaluates the environmental
15 impacts of alternatives to license renewal. The
16 objective of the review is to determine if the
17 environmental impacts of license renewal are so great
18 that license renewal would not be a reasonable option,
19 or more plainly, is license renewal acceptable from
20 an environmental standpoint.

21 The staff prepares an Environmental Impact
22 Statement, or EIS, to document its environmental
23 review.

24 I'd like to take a second and mention a
25 few very important areas that the NRC oversees that

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1 routinely come up during our interactions with members
2 of the public.

3 The NRC staff addresses these areas of
4 performance every day as a part of the ongoing
5 oversight provided for all currently operating
6 reactors. They include emergency planning, security,
7 and current safety performance, as defined by NRC
8 inspection findings, violations, and general
9 assessment of plant performance. For specific
10 information on the current performance at Crystal
11 River you can use the link provided at the bottom of
12 the slide.

13 The NRC monitors and provides regulatory
14 oversight of activities in these areas on an ongoing
15 basis under the current operating license. Thus, we
16 do not re-evaluate them in license renewal. That's
17 not to say they're not important. We just do not
18 duplicate the regulatory process in these areas for
19 license renewal.

20 This is a schematic that shows the two
21 parallel review paths. It also features two other
22 considerations in the Commission's decision of whether
23 or not to renew an operating license.

24 One of these considerations is the
25 independent review performed by the Advisory Committee

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1 on Reactor Safeguards, or ACRS. Statutorily mandated
2 by the Atomic Energy Act of 1954, the ACRS is a group
3 of scientists and nuclear safety experts who serve as
4 a consulting body to the Commission. The ACRS reviews
5 the license renewal application and the staff's safety
6 evaluation. The ACRS reports their findings and
7 recommendations directly to the Commission. Hearings
8 may also be conducted. Interested stakeholders may
9 submit concerns or contentions and request a hearing.
10 An adjudicatory panel from the Atomic Safety and
11 Licensing Board, ASLB, will be established to review
12 contentions for admissibility. If a hearing is
13 granted, the Commission considers the outcome of the
14 hearing process in its decision on whether or not to
15 renew the license.

16 Now I am going to describe the license
17 renewal process in a little more detail. Regulations
18 governing license renewal are based on two guiding
19 principles. To effectively communicate these
20 principles I need to first describe a term used by the
21 NRC. The concept is "licensing basis." The licensing
22 basis consists of a wide range of design and
23 operational requirements and conditions that must be
24 met for the plant to comply with its operating
25 license. It serves as the basis upon which the NRC

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1 originally licensed the plan. To continue to operate,
2 a plant must conform with its licensing basis. As I
3 mentioned, the regulations governing license renewal
4 are based on two guiding principles that relate back
5 to the licensing basis.

6 The first principle is that the current
7 regulatory process is adequate to ensure that the
8 licensing basis of all operating plants provides and
9 maintains an acceptable level of safety. The second
10 principle is that the current plant specific licensing
11 basis must be maintained during the renewal process,
12 renewal term in the same manner and to the same extent
13 as during the original licensing term. In other
14 words, the same rules that apply under the current
15 license will apply under the renewal term. In
16 addition, a renewed license will include conditions
17 that must be met to ensure aging of structures and
18 components, important to safety, are adequately
19 managed so that the plant's current licensing basis is
20 maintained during the period of extended operation.

21 The safety review is rigorous. The staff
22 reviews the applicant's license renewal application
23 and support documents. This review includes an
24 evaluation of new and existing programs and
25 surveillance activities, to determine, with reasonable

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1 assurance, that the effect of aging for certain
2 plants, structures, and components will be adequately
3 managed or monitored. The safety also include site
4 audits to verify the technical basis of the license
5 renewal application and to confirm the applicant's
6 aging management programs and activities conform with
7 how they are described in the application.

8 The staff documents, the basis and
9 conclusion of its review, in a safety evaluation
10 report, which will be publicly available. In
11 addition, a team of specialized inspectors travel to
12 the reactor site to verify that aging, management
13 programs, are being implemented, modified, or planned
14 consistent with the license renewal application.

15 Finally, as I've mentioned, the Advisory
16 Committee on Reactor Safeguards performs an
17 independent review of the license renewal application
18 and the staff's safety evaluation, and makes a
19 recommendation to the Commission regarding the
20 proposed action to issue a renewed operating license.

21 Now turning to the environmental review
22 for license renewal. This review is performed in
23 accordance with the National Environmental Policy Act
24 of 1969, or NEPA. NEPA provides the basis
25 architecture for federal environmental review

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1 requirements. It requires that all federal agencies
2 follow a systematic approach in evaluating potential
3 impacts associated with major federal actions and
4 alternatives to those actions. By law, the NEPA
5 process involves public participation and public
6 disclosure.

7 NEPA also established the US Council on
8 Environmental Quality, or CEQ, with the Executive
9 Office of the President. CEQ establishes policy for
10 implementation of NEPA. The NRC's environmental
11 regulations contained in 10 C.F.R. Part 51, are
12 largely based on those that CEQ developed.

13 Our environmental review considers the
14 impact of the license renewal and any mitigation for
15 those impacts we consider to be significant. We also
16 consider the impacts of alternatives to license
17 renewal, including the impact of not issuing a renewed
18 license. The staff documents its environmental review
19 and Environmental Impact Statement.

20 That concludes my portion of the
21 presentation. Next, Elaine Keegan will provide more
22 details on the environmental review and scoping
23 process.

24 MS. KEEGAN: Well, thank you for coming
25 tonight. My name is Elaine Keegan. I am the second

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1 Program Manager, Project Manager for the Crystal River
2 Unit 3 Relicensing. I will cover the environmental
3 review process.

4 For the license renewal process NRC looks
5 at a wide range of environmental impacts as part of
6 preparing the EIS. In conducting the environmental
7 review we consult with various federal, state, and
8 local officials, as well as leaders of the Native
9 American nations, and we gather pertinent information
10 from these sources to ensure it is considered in our
11 analysis.

12 As you can see from the slide we have a
13 wide range of areas that we look at, and we talk to a
14 lot of the other agencies, state and federal, such as
15 U.S. Fish and Wildlife, the EPA, Florida Department of
16 Natural Resources, State Bureau of Radiation
17 Protection, Florida State Historical Preservation
18 Office.

19 The environmental review begins with a
20 scoping process. The purpose of the scoping process
21 is to identify significant issues that should be
22 considered in the environmental review. We are
23 gathering information that we will use to prepare and
24 Environmental Impact Statement for the license
25 renewal. As part of the process we are here to

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1 collect your comments on the scope of the
2 environmental review, that is, the environmental
3 impacts that the State, the staff, should consider
4 during the renewal process.

5 In the mid 1990's staff prepared a generic
6 Environmental Impact Statement that addressed a number
7 of issues that are common to all nuclear power plants.
8 The staff will be supplementing this generic EIS with
9 a site specific EIS in which we will address issues
10 that are specific to the Crystal River Unit 3 site.
11 We will also reexamine conclusions reached in the
12 generic EIS to determine if there's any new and
13 significant information that would change those
14 conclusions.

15 The scoping period started on April 6th,
16 2009, when the Notice of Intent to Prepare an EIS and
17 Conduct a Scoping Meeting was published in the Federal
18 Register. The NRC will be accepting comments on the
19 scope of the environmental review until June 6th,
20 2009.

21 In general, we are looking for information
22 about the environmental impacts from the continued
23 operation of Crystal River during extended operation
24 period. You can assist us in that process by telling
25 us, for example, what aspects of your local community

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1 we should focus on, what local, environmental, social,
2 and economic issues the NRC should examine during our
3 environmental review and what reasonable alternatives
4 are most appropriate for your local region.

5 These are just some of examples of the
6 input we're looking for, and they represent the kinds
7 of information we are seeking through the Environment
8 Scoping Process. Your comments today will be helpful
9 in providing insights of this nature for our
10 environmental analysis.

11 This slide illustrates the NRC's various
12 considerations for deciding if a renewed operating
13 license will be issued. It is a rigorous review and
14 involves safety evaluation report, regional
15 inspections, and so on.

16 Also, as indicated on this slide, public
17 comments are an important part of the environmental
18 review process. We consider all the comments that we
19 receive from the public during the scoping process as
20 part of preparing the Supplemental Environmental
21 Impact Statement.

22 In addition to providing comments at
23 today's meeting, there are other ways you can submit
24 comments. You can provide written comments by mail to
25 the NRC Chief of Rules and Directives Branch at the

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1 address that's noted up here. You can send your
2 comments electronically to the e-mail address,
3 crystalrivereis@nrc.gov. Or if you choose to, you
4 can bring your comments to Rob or myself if you're in
5 Rockville, Maryland. Or, you can also call Rob or me.
6 Our business cards are on the table. And comments
7 should be submitted by June 6th, 2009.

8 This slide shows the important milestone
9 dates for the environmental review process. The
10 opportunity to submit contentions for a hearing closes
11 on May 8th. If you have comments you would like to
12 submit outside of today's meeting you have until June
13 6th, 2009, to do so. We plan to issue a draft
14 Environmental Impact Statement for public comment most
15 likely in April of 2010.

16 While this slide lists the milestones for
17 the environmental review and opportunity for public
18 involvement, the safety review will also be performed
19 in accordance with a schedule that is listed at the
20 NRC website.

21 This slide identifies the primary points
22 of contact in the NRC for the license renewal of
23 Crystal River Unit 3. Rob and I are the two Project
24 Managers for this review. It identifies where
25 documents related to our review may be found in the

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1 local area. The Coastal Region Library has agreed to
2 make the license renewal application available for
3 public review. When the draft Supplemental
4 Environmental Impact Statement is published for
5 comment, it will also be at the library. They will
6 also be available online on the NRC's public website.

7 As you came in you were asked to fill out
8 a registration card at our reception table, and if you
9 included your address on that card, we will mail a
10 copy of the draft and the final EIS to you.

11 And this concludes my portion of the
12 presentation.

13 MR. WRONA: Thank you, Rob and Elaine.

14 With that, we now move into the portion of
15 the meeting where we're going to receive comments from
16 you all. I have received four speaker cards so far,
17 and I'll just go in order. And just as a reminder, if
18 you could come up the mic, introduce yourself, and
19 then keep your comments concise and to the point, we'd
20 certainly appreciate that.

21 Again, only one speaker at a time. This
22 meeting is transcribed, and it helps us get a clean
23 transcript of the meeting.

24 And, that's all I have. So with that, if
25 Mr. Mark Klutho --

1 MR. KLUTHO: Emily's going to speak first.

2 MR. WRONA: Okay. Ms. Emily Casey.

3 MS. CASEY: Hello. My name's Emily Casey.

4 I just came with a few comments. I have been at the
5 NRC meetings for other reasons the last couple of
6 months.

7 I just wanted to say a couple things. If
8 CR-3 gets the permission to operate for another 20
9 years, what I would like to see, and what a lot of
10 people in the community would like to see, is an
11 outside source to do environmental radiation
12 monitoring for the air and water quality. I do
13 believe that right now there is not an outside source.
14 I would love to be able to see that data realtime
15 online. So we really feel that that would be an
16 important thing to see.

17 However, what I really feel like we should
18 be doing, is decentralizing the power, such as solar
19 on homes, solar on schools. Then maybe not only would
20 we not need a nuclear power plant, but another thing
21 that Citrus County has, that I find quite annoying, is
22 if you look on the EPA website for air quality, we
23 have very poor air quality. And you go on there, you
24 find out, well, what are they monitoring.

25 There's two or three small businesses that

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1 they are monitoring, but mostly it's the big
2 conglomerate that's out there, four coal plants and
3 one nuclear power plant. Now, they've mentioned
4 everything that's in the air quality that they
5 monitor, and it just doesn't really look too good to
6 have this poor of air quality in Citrus County, and
7 then other counties with larger population have better
8 air quality than we do.

9 So I would like to not have a nuclear
10 power plant, and for us to be going with renewables.
11 I think that's the way to go. We are at a point in
12 time where we need to really make some tough
13 decisions. Which way is it? Are we going to take the
14 business as usual road, or are we going to use new
15 technology and go with renewables?

16 No, I'm not against Progress Energy making
17 money. So if it takes changing the way you make money
18 to be able to do that, then that's fine. You know,
19 just not getting it from the ratepayers. But that's
20 a whole 'nother thing. I don't want that interpreted
21 as not to pay power bills. Now, don't get me wrong
22 about that.

23 So what I would really like for you all to
24 be doing is be very progressive and go with the
25 renewable energies. That's what I'd like to see.

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1 However, if we do have CR-3, then we would like to see
2 more outside monitoring.

3 And, I think that's really all I have to
4 say at this time. Preferably the renewables and solar
5 energy is the way to go here, with, you know, solar on
6 every rooftop, including the schools. And for any
7 flat top roofs that has businesses -- and it doesn't
8 have to be that way anymore.

9 That's one thing I wanted to say. It
10 doesn't have to be those big solar panels anymore.
11 There's technologies that are out there now, and
12 that's changing constantly. So I think that would
13 really be the way to go.

14 And that's really all I have to say.
15 Thank you.

16 MR. WRONA: Thank you, Ms. Casey.

17 Up next, if we could have Mr. Gary
18 Maidhof.

19 MR. MAIDHOF: My name is Gary Maidhof. I
20 am the Citrus County Director of the Department of
21 Development Services.

22 Progress Energy and their predecessor,
23 Florida Power Corporation, has been a corporate
24 citizen within Citrus County going back to the
25 construction of the first coal burning plant in 1966,

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1 and they have established the large Crystal River
2 complex, which has a total of five plants, one of
3 which is the plant we are speaking of tonight, and
4 then the other four coal plants.

5 Because of that significant presence,
6 Citrus County established a element within our
7 comprehensive plan, a growth management tool that is
8 required under State statute, a land use specific to
9 that, that is reflected both on our generalized future
10 land use map and an element within our comprehensive
11 plan.

12 That element specifically addresses the
13 environmental concerns of the facility, and specific
14 to the nuclear power plant, the concern that has been
15 raised is the potential impact to adjacent land uses,
16 specifically in regards to residential densities. To
17 that end I would point out that Progress Energy, and
18 again their predecessor, Florida Power Corporation,
19 has worked extensively with us to support us both
20 financially and technically and with training in being
21 prepared to deal with an event, should one occur,
22 though one has never occurred, within Citrus County.
23 They have established an infrastructure to warn the
24 community should an event or a potential event be
25 occurring. They have provided us with equipment to

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1 facilitate monitoring if that were to occur. So we
2 are well prepared on that front.

3 The other aspect that comes into plan in
4 regards to this is, because we have a specific land
5 use and specifically as an item that you've raised as
6 an issue, this facility is deemed to be consistent and
7 conforming to Citrus County's land use plan. The
8 nuclear facility and the supporting transmission
9 towers are allowable within the land use and this is
10 not a non-conforming system.

11 One of the impacts that occurs when any
12 power plant has to deal -- that's on the coast has to
13 deal with heat generated from water discharge. And
14 Progress Energy has been exemplary in trying to
15 mitigate those impacts as best they can through heat
16 reducing measures.

17 Regardless, they have also taken a very
18 pro-active approach of establishing Americulture
19 Center to provide an augmentation to natural
20 populations on localized fish and other coastal
21 species to offset any impacts that may occur through
22 their process. And, to their credit, a number of
23 years ago they were agreeable to, and shifted some of
24 the pieces to assist us -- specifically shifted to the
25 Bay Scallop, to assist in the reestablishment of that

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1 population off of Citrus County's coast, and we have
2 accomplished that to the point where we have restored
3 what was a recreational harvest opportunity in our
4 summer, and that is now ongoing, and Progress Energy
5 was a participant with that.

6 Also in regards to water quality. Of
7 course the cooling system has water withdrawal that
8 involves both some groundwater and also surface water.
9 There is an extensive attempt to reuse water and to
10 limit their consumption. But I would point out that
11 while it is not currently available, is likely that if
12 this is approved there will be an opportunity for
13 Progress Energy to partner with the County and/or the
14 City of Crystal River in utilizing reused water from
15 one or more municipal treatment plants as an
16 augmentation and substitute for groundwater withdrawal
17 or surface water. So I would encourage that when that
18 opportunity arises that we pursue that.

19 Another aspect involving Progress Energy
20 from an environmental standpoint is, the coastal area,
21 due to development impacts, both related to the
22 facility as well as in general development impacts,
23 has resulted in invasive species. Specifically some
24 species of plants, like Brazilian Pepper, and there is
25 some wildlife impacts. Progress Energy has been

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1 extremely proactive in trying to control those
2 invasive species on property under their control. And
3 has been supportive in assisting agencies outside
4 their general control through mitigation projects and
5 things of that nature.

6 Lastly, I would point out that there are
7 a number of endangered species that are located within
8 Citrus County. Some of high prominence. Of course
9 the West Indian Florida Manatee. And Progress Energy
10 has taken extensive steps, both through engineering
11 and operation, to ensure that those species are not
12 adversely impacted. That includes not only exclusions
13 and things of that nature from a structural
14 standpoint, but they also are participants in our
15 Manatee Protection Plan, and understand that the heat
16 sources that are generated by their existing
17 facilities become a warm water refuge in the winter,
18 and they make sure that they do not adversely impact
19 on animals during that period.

20 There was also a period of time when Sea
21 Turtles became involved in the Progress Energy system,
22 and they were extremely responsive in taking steps to
23 exclude those animals, and they also established
24 monitoring programs to ensure that those species,
25 specifically the Kemps Ridley, which has their young

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1 -- have their growing years in this area of the State.
2 They have done extensively to reduce and eliminate
3 those types of impacts.

4 So overall I would strongly support the
5 renewal of this license. I would encourage Progress
6 Energy to continue in the program they have, and to be
7 open to new programs that may be available to us down
8 the road to even further reduce environmental impacts
9 should they occur. Thank you.

10 MR. WRONA: Thank you, Mr. Maidhof.

11 Mr. Mark Klutho.

12 MR. KLUTHO: Mark Klutho, 14496 120th
13 Avenue North, Largo.

14 I almost wore this shirt tonight
15 (Indicating.) but I had to wear this one that I had on
16 yesterday at the Hillsborough County Commission
17 meeting, and then for all the idiots at the tea party
18 in Downtown Tampa.

19 This one here has Mr. Sun on it, and above
20 it it says: "I support Nuclear Power" 93 million
21 miles away.

22 And here is a sign that I've had at
23 several protests. I made it after the fool, Joe
24 Guidry at the Tampa Tribune wrote his pro-nuclear
25 power editorial, and this is many years after they

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1 stopped doing that, after Avery Lovins met with the
2 Editorial Board, way back in 1992. And you can see,
3 the ink ran a little bit. It was a downpour. All the
4 people were crying for me out there in the rain. I
5 said, "It's nothing like the monsoons I experienced in
6 Viet Nam."

7 I read recently that the NRC just approved
8 the extension of the license, I believe, for the
9 oldest nuclear power plant in the country. And you
10 know what I see here, is kind of what appears to be a
11 rubber stamping. And I don't know if you want to call
12 it a truism or maybe a tenet, but one of those old,
13 old ones, it's called "Keep It Simple Stupid." And
14 just like the boondoggle, the Space Shuttle, there
15 will be catastrophes.

16 And there was that plant up in Ohio. How
17 thin did that metal get? Was it three-sixteenths or
18 a sixteenth of an inch before somebody caught that
19 one? What kind of monitoring was happening there?

20 And I don't know if this was before or
21 after a license was extended, but then I hear the NRC
22 can't control nuclear waste being sent from overseas
23 into this country. Nope, we can't do anything about
24 that. And then, not too long ago, there was an
25 article in the paper, you know, of course you've heard

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1 about how great the nuclear power is in France.
2 Seventy, seventy-five percent of their electricity
3 from the nukes. Well, there is a big protest in
4 Germany, 15,000 on the railroad track, trying to stop
5 a train with waste from France to be stored in
6 Germany. While Germany is going to phase out their
7 nuclear power. Once the licenses expire on those
8 plants in Germany they will no longer run. If it's so
9 great in France, why does the waste go into Germany?

10 Something's wrong. And then, and then
11 there was a show on WMNF. Go to Michio Kaku's
12 website. You heard of him? Michio Kaku at New York
13 City University? He interviewed this individual. I
14 don't remember his name, I don't remember the
15 organization. I don't have time to keep track of it
16 all.

17 But Yucca Mountain? It's not going to
18 happen. All the billions that have gone into that
19 place. "Hey, it's going to be a wonderful thing
20 there." But they didn't check for seismic activity.
21 They didn't check to see how much water's getting into
22 the place. So all the waste is going to stay at all
23 these power plants.

24 I mean this is really something. And I
25 did bring my papers tonight so you guys could know.

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1 Who's Who In America. I brought my DD-214, and most
2 of all, Nuclear Weapons Assembly Team. I'm coming at
3 it from a unique prospective here.

4 And the book from Amory Lovins, Non-
5 Nuclear Futures. The Case For An Ethical Energy
6 Strategy, copyright 1975. And here is this Time
7 Magazine from January 12th, 2009, "Why Do We Need To
8 See The Light About Energy Efficiency."

9 And what Amory Lovins says here,
10 "Efficiency guru Amory Lovins argues that today's best
11 techniques could save the US half our oil and gas and
12 three-fourths of our electricity."

13 The last four electric bills at our house
14 were \$23.45, \$23.54, \$23.75, and \$21.98. And all
15 we've done so far is the solar thermal for hot water.
16 The rest is through efficiency.

17 And, there is also in here an article
18 about the nuclear. And you can also, on the newsstand
19 right now, find a special issue about energy from the
20 National Geographic. And you know, when I said that
21 truism, that tenet about "Keep It Simple," I mean
22 there is also that old saying of Murphy's Law, "What
23 can go wrong, will."

24 And with these plants, you have a big
25 experiment happening here. This is something that

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1 hasn't happened before. You're not talking about a
2 horse and buggy, or an internal combustion engine.
3 And what you're doing is you're bombarding steel and
4 concrete with radiation. And I don't care who you
5 are, you don't know what the effect is going to be,
6 especially since you just said, you can increase the
7 output by fifteen percent. You're rolling the dice.
8 In fact, if you check with the odds makers in Vegas,
9 the odds are fifty percent that there's going to be a
10 catastrophe. What kind of odds are those?

11 And then, that Wednesday, October 1st, USA
12 Today article stated, that 10,000 years that waste has
13 to be sequestered. Oh, no, no, no, no. It must be
14 sequestered for up to one million years. Okay. Who
15 is the wizard that's going to show me how they're
16 going to give a million year guarantee? I will never
17 be convinced. It's something you shouldn't be
18 touching if you have to say that you have to sequester
19 it for a million years.

20 And then these plants, what are they after
21 you can't use them anymore? They're the worst
22 superfund site in the world. And you know it's so
23 funny that after the Tribune writes their pro-nuclear
24 power editorial, that they print this column, "A
25 Nuclear Bull's-Eye Is On Our Back." I mean you want

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1 to talk about safety. FBI Director Robert Mueller
2 also warned about the risk of malicious disruption of
3 nuclear reactors. Al-Queda planner Kahlid Sheikh
4 Mohammed had nuclear power plants as part of his
5 target set. And we have no reason to believe that Al-
6 Queda has reconsidered. Mueller had testified before
7 the Senate Committee on Intelligence.

8 Well, you can say those planes can't go
9 though the three-foot walls of the reactor building,
10 but what about all the stuff that's stored out in the
11 pools. And all of these mock raids that they do on
12 the power plants. They always get in. And they're
13 with little-bitty contingents. I mean it's a farce.

14 Why it was Dateline or 60 Minutes over
15 there in South Africa, the show they had on there.
16 Holy cow. I mean you people are living in a dream
17 world. You know, this is the unabridged version of
18 this article, "A Nuclear Bull's-Eye Is On Our Back,"
19 written by Michael Totten. You can find it in this
20 Solar Today From September/October 2008.

21 You want to talk safety? But then if it's
22 so safe, why do we need the Price Anderson Act? You
23 can't get insurance. What kind of deal is this? See,
24 and I'm a kid back from the '50s, and this stuff was
25 supposed to be too cheap to meter. And what I've been

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1 reading is that these plants over there in
2 Scandinavia, they're going way over budget. I mean
3 this -- and last summer I was here for a hearing for
4 the new plants. And all incandescent weren't in this
5 -- it wasn't in this room. But still all incandescent
6 bulbs. And I think I said, the book, Plan B, by
7 Lester Brown, just by doing the efficient lighting
8 that we can do, 700 of the 2,360 coal fire power
9 plants in use in the world could be turned off. I
10 mean talk about a stupid populous. Now, you can't get
11 there? You're going to do nuclear power?

12 Well, there's going to be a fiasco. It
13 may not be Crystal River and it may not be up in Levy
14 County, but it is going to happen. Guaranteed, it's
15 going to happen. And you know the way I see the NRC,
16 because I've said this, because this is the third time
17 I've been before the NRC in less than a year. And
18 I'll be at every hearing that the NRC comes and has,
19 where I can speak. And I have been following it, like
20 I say.

21 Copyright 1975 (Indicating.) Nuclear
22 Weapons Assembly Team, 1970 (Indicating.) And I
23 protested up in Missouri when I lived in St. Louis.
24 One day Union Electric up there built that plant on
25 the Missouri River back in the '70s.

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1 But the way I see the NRC, you've heard
2 that saying, "The fox guarding the hen house." Well,
3 this is a much bigger situation here. It's more like
4 a pack of jackals or a pack of hyenas guarding the hen
5 house. No reflection on the jackals or the hyenas,
6 because they're only doing what comes naturally.

7 But you people aren't reasoning. You're
8 acting without conscious. You're wasting. I mean,
9 you know, one of my favorite quips from Amory Lovins.
10 "To heat your water with electricity is like cutting
11 butter with a chain saw." Now, that says you're
12 really damn stupid. And like I say, the odds makers,
13 one in two, fifty percent. And, you know, to Mr.
14 Bureaucrat there, they had a big gathering of all the
15 experts after we had the hurricanes, after 2004.

16 And isn't this part of the SWFWMD area
17 here? Aren't you in the SWFWMD area of the State?

18 (No response.)

19 MR. KLUTHO: Well, there's a
20 representative from the state of Florida that sees
21 over the safety of this area, and they had people from
22 universities and the emergency management directors.
23 I know Sarasota was there, and Pinellas and
24 Hillsborough. And this guy proceeded to tell a joke
25 saying, "Well, you know that the company that made

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1 that bridge, that I-10 bridge up there in the
2 Panhandle where that hurricane knocked it into the
3 water? They're the same ones that made the bridge
4 going down to the Everglades." And you know what
5 happened? These emergency directors, the college
6 presidents and all of these experts, they're all, "Ha,
7 ha, ha, look at this funny joke." A person like you
8 laughing at this joke.

9 Well, guess what? This company, they
10 presented the low price to the bid on the specs that
11 were given to them by the powers that be. And the guy
12 that's going to be -- you're saying, "Oh, we have all
13 the means to protect should there be some kind of a
14 disaster." Here is this fool from the State, that's
15 overseeing this area in case there is some kind of a
16 disaster, making such an asinine, stupid joke, and
17 then all of these other people that are supposed to be
18 the protectors, laughing at the joke, instead of one
19 of them saying, "Hold on a minute. That contractor
20 was only following the plans and bidding on what they
21 said how high to make that deck above the water.
22 Because you didn't say we should be planning for a
23 Hurricane 4. All we should do is plan for a Hurricane
24 1 or 2."

25 I mean, I'm telling you, and I can predict

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1 there will be a catastrophe coming. And like I say,
2 it may not be this one, but you do another 20 years
3 and you up the output, you keep bombarding that steel
4 and concrete with radiation, it's coming. It is
5 coming.

6 MR. WRONA: Thank you, Mr. Klutho.

7 And next, Dixie Hollins, Mr. Dixie
8 Hollins.

9 MR. HOLLINS: Thank you. My name's Dixie
10 Hollins, and I would first like to speak as
11 representative of the Citrus County Chamber of
12 Commerce. We have 1200 members and we've been a part
13 of this community and part of Progress Energy. Back
14 then it was Florida Power, today it's Progress Energy.
15 And we embrace the relicensing of this nuclear power
16 plant. Units 1, 2, 3, 4, and the nuclear power plant
17 is the provider for jobs here in this community. It's
18 the provider for much needed electricity in this
19 region. It has provided for our education system in
20 this community, for our safety, of the sheriff and the
21 hospitals that have come up here because of this power
22 plants. And we encourage the relicensing of this
23 plant.

24 I understand that they're doing a
25 retrofitting, that's simply stated, this Fall, which

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1 will bring over 3,000 employees to this community.
2 And the economics of this community right now is just
3 about as low as we can go.

4 We support this retrofitting. We support
5 the more capacity that this plant can produce the most
6 -- the needed electricity. We support the taxes that
7 it generates for this community.

8 The environmental review. And I'm now
9 going to speak on behalf of Dixie Hollins, not the
10 Chamber of Commerce. I used to live -- and the only
11 reason I don't live there next to the nuclear power
12 plant anymore, is to be honest and truthful with you
13 all, is that my father passed away and we had to sell
14 our beautiful ranch to pay inheritance tax. And
15 that's the only reason I don't live there today.

16 I used to live there next to the nuclear
17 power plant, and I can tell you they were good
18 neighbors, and good, safe neighbors. They went beyond
19 the call of duty to embrace this community. They put
20 saltwater towers up to lower the water going out to
21 the Gulf of Mexico.

22 As Mr. Maidhof previously said -- he had
23 a better name for it, I call it a fish hatchery. They
24 produce fish to go back in the Gulf of Mexico. They
25 also, because I was in the timber business, took the

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1 time and the expense to put salt drift monitors --
2 because I was in the timber business I had some
3 concern over the salt drift coming out of the cooling
4 towers. And there was none.

5 And they were there and still are there to
6 embrace this community. And they have a railroad
7 track down there, they have 1500 employees down there.
8 They do beyond the call of duty to being a good
9 neighbor, which I previously said.

10 The Chamber, again, will support this.
11 And I, as an individual, have been in this community
12 for a long time, will continue to support nuclear
13 power here in Crystal River. And especially the
14 retrofitting and also the new licensing of the nuclear
15 power plant. I appreciate your comments.

16 I would also like to suggest, for the
17 benefit of all, that the Florida Power or Progress
18 Energy, before they open it to public speaking, put
19 some kind of a time limit so all of us can have the
20 equal opportunity. Thank you.

21 MR. WRONA: Thank you, Mr. Hollins.

22 That was all the yellow cards I have for
23 people registered to speak.

24 Did somebody else have any comments that
25 they would like to make and didn't have a change to

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1 fill out a card?

2 (No response.)

3 MR. WRONA: Just before we close out the
4 meeting I'd like to mention a few things. A copy of
5 the handouts are on the table, if you didn't have a
6 chance to pick one up. And as Rob and Elaine
7 mentioned, in those handouts are other methods to
8 contact us and send us any comments. If another
9 speaker sparks something and you wanted to make a
10 comment to us and didn't have the chance tonight, you
11 can certainly e-mail it to us or send it in the U.S.
12 Mail. And again, all that information is in the
13 handout, so take one of those.

14 All the comments we receive today and all
15 the comments that will come in either through the mail
16 or through e-mail, will be considered by the staff,
17 and will be addressed when we develop our Supplemental
18 Environmental Impact Statement -- the draft Supplement
19 Environmental Impact Statement.

20 As Elaine mentioned, that is targeted for
21 around April 2010. Sometime after that, within a
22 month, most likely we will have another public meeting
23 to discuss the contents of our draft Environmental
24 Impact Statement, and then those comments will be
25 factored when we publish our final Environmental

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1 Impact Statement.

2 And with that, this meeting is closed.
3 Thank you for coming out tonight. We appreciate the
4 comments.

5 (Whereupon, at 8:05 p.m., meeting
6 concluded.)

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CERTIFICATE

This is to certify that the attached proceedings
before the United States Nuclear Regulatory Commission
in the matter of: Crystal River Nuclear Plant

Name of Proceeding: Scoping Meeting:

Evening Session

Docket Number: (n/a)

Location: Crystal River, Florida

were held as herein appears, and that this is the
original transcript thereof for the file of the United
States Nuclear Regulatory Commission taken by me and,
thereafter reduced to typewriting by me or under the
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transcript is a true and accurate record of the
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Gretchen Schultz

Official Reporter

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