



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

April 11, 2012

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

FROM: Carmen Fells, Environmental Project Manager  
Projects Branch 2  
Division of License Renewal  
Office of Nuclear Reactor Regulation 

SUBJECT: SUMMARY OF PUBLIC SCOPING MEETINGS CONDUCTED RELATED  
TO THE REVIEW OF THE CALLAWAY PLANT, UNIT 1,  
LICENSE RENEWAL APPLICATION

The U.S. Nuclear Regulatory Commission (NRC) staff conducted environmental scoping meetings related to the review of the Callaway Plant, Unit 1 (Callaway), license renewal applications submitted by Union Electric Company, a subsidiary of Ameren Corporation and doing business as Ameren Missouri (Ameren). Two public meetings were conducted on March 14, 2012, at the Fulton City Hall Council Chambers in Fulton, MO. Approximately 50 people attended the meetings. The attendees included members of the NRC staff, members of the public, representatives from Ameren, news media, and local and State government officials. Public comments and questions expressed ideas related to both the benefits of license renewal and nuclear power and the disadvantages of the same. Concerns were mainly based on applying lessons learned from the accident at Fukushima, permanent waste storage, and the license renewal process.

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

Docket No. 50-483

Enclosures:  
As stated

cc w/encls: Listserv

CONTACT: Carmen Fells  
(301) 415-6337

**LIST OF ATTENDEES  
CALLAWAY PLANT, ENVIRONMENTAL SCOPING MEETINGS**

**March 14, 2012**

PARTICIPANTS

Carmen Fells  
Brian Harris  
Dennis Morey  
Susan Salter  
William Ford  
Dawn Yancey  
David Dumbacher  
Zachary Hollcraft  
David Shafer  
Pamela Murray  
Bryant Liddle  
Courtney Johnson  
Evan Dannecker  
Mark B  
Lori Harris-Franklin  
Gary Franklin  
Jim Kammerer  
Frank Ryayk  
Ruth Schaefer  
Caleb Braun  
Keri Stuart  
Brenna Shannon  
LeRoy Benton  
Matt Harlie  
Bill Johnson  
Gary Jungermann  
Janis Burton  
Jane S.  
Doc Kritzer  
Jane Beetem  
Jeff Keevil  
Gabe Jones  
Kay Drey  
Jordan Branham  
Ed Smith  
Kylie McGivern  
Veronica Polivanaya  
Alan Zagier  
Kyle Deas  
Mike DeFranco  
Evan Millard  
Don Xorfleet  
Fadi Diya

AFFILIATIONS

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NRC  
NRC  
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NRC  
NRC Resident Inspector Office  
NRC Resident Inspector Office  
NRC Resident Inspector Office  
Public  
U.S. Congressman Luetkemeyer's Office  
U.S. Congressman Luetkemeyer's Office  
City of Fulton  
City of Fulton  
City of Fulton  
Callaway County  
Callaway County  
Callaway County  
Callaway County  
Missouri Department of Natural Resources  
Missouri Public Service Commission  
Friend for Fitzwater  
Beyond Nuclear  
Missouri Coalition for the Environment  
Missouri Coalition for the Environment  
KOMU 8 News  
KOMU 8 News  
Associated Press  
KBIA – Mid-Missouri Public Radio  
KRCG 13 News  
KMIZ TV  
Fulton Sun  
Ameren

Sarah Kovaleski	Ameren
Chris Graham	Ameren
Anne Roselius	Ameren
Scott Bond	Ameren
Kurt Linsenbardt	Ameren
Bryan Daniels	Ameren
Sharon E. Merciel	Ameren
Scott Maglio	Ameren
Trent Russell	Ameren
Andrew Burgess	Ameren
Steve Petzel	Ameren
Kathleen Carroll	Ameren
Dan Stepanovic	Ameren
Scott Bond	Ameren
Jane Sellers	Ameren
Eric Blocker	STARS
Kenneth Bryant	STARS

AGENDA FOR PUBLIC MEETING TO DISCUSS  
THE LICENSE RENEWAL PROCESS AND ENVIRONMENTAL SCOPING  
FOR THE CALLAWAY PLANT, UNIT 1  
LICENSE RENEWAL APPLICATION

WEDNESDAY, MARCH 14, 2012

Two Meeting Sessions: 2:00pm to 4:00pm and 7:00pm to 9:00pm\*

- |      |  |               |
|------|--|---------------|
| I.   | Welcome and Purpose of Meeting           | 15 minutes ** |
| II.  | Overview of Safety Review Process        | 15 minutes    |
| III. | Overview of Environmental Review Process | 15 minutes    |
| IV.  | Public Comments                          | As Required   |
| V.   | Closing/Availability of Transcript       | 5 minutes     |

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

\*\*Times in this agenda are approximates.

**Official Transcript of Proceedings**  
**NUCLEAR REGULATORY COMMISSION**

Title: Callaway Plant License Renewal  
Public Meeting: Afternoon Session

Docket Number: (n/a)

Location: Fulton, Missouri

Date: March 14, 2012

Work Order No.: NRC-1502

Pages 1-38

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UNITED STATES OF AMERICA

NUCLEAR REGULATORY COMMISSION

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CALLAWAY PLANT, UNIT 1 (CALLAWAY)

LICENSE RENEWAL PROCESS

and

ENVIRONMENTAL SCOPING MEETING

+ + + + +

Fulton, Missouri

March 14, 2012

Afternoon Session

2:00 p.m. to 4:00 p.m.

1 NRC REPRESENTATIVES IN ATTENDANCE  
2 SUSAN SALTER, Facilitator  
3 BRIAN HARRIS, Safety Project Manager  
4 DAVE DUMBACHER, Callaway Plant, NRC Senior Resident  
5 Inspector  
6 DENNIS MOREY, Chief of the License Renewal Projects  
7 Branch  
8 CARMEN FELLS, Environmental Project Manager.  
9 BILL FORD, Geologist, Hydrologist, Technical Reviewer  
10 for the NRC  
11 DAWN YANCEY, Secretary for the NRC at the Callaway  
12 Plant  
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## P R O C E E D I N G S

(2:01 p.m.)

1  
2  
3 MS. SALTER: Welcome, this afternoon. My  
4 name is Susan Salter and I'm going to be the  
5 Facilitator for this afternoon's meeting. My role as  
6 Facilitator is really to keep the meeting moving, to  
7 keep us on time, and to keep us on track, to make sure  
8 that everyone who came out this afternoon has an  
9 opportunity to make their comments.

10 Before we get started, I would like to let  
11 you know that we are transcribing this meeting.  
12 Stephen is our transcriber. And to help him get an  
13 accurate transcription, we ask that we keep all side  
14 conversations and background noise down to a minimum.

15 I would ask that you put all of your  
16 electronic devices on vibrate or silent mode. And if  
17 you need to take a call, I certainly understand that.  
18 We just ask that you step outside of the room to do  
19 that so you don't interrupt both our recording and  
20 other individuals' opportunity to hear the  
21 presentation and the comments.

22 Restrooms, if you just go straight out  
23 this door, you'll see men's and women's rooms. And  
24 exits in the event that we have to evacuate for some  
25 reason, there's an exit right here to my right. And

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1 if you go straight out this room and make a right,  
2 there's also an exit to the outside.

3 The purpose of tonight's meeting is to  
4 discuss the license renewal process for the Callaway  
5 Unit -- Callaway Plant, Unit 1. And the agenda for  
6 the meeting includes a presentation by NRC staff on  
7 the license renewal process. And following that we'll  
8 have a brief Q&A opportunity to ask any questions or  
9 get clarifications on the presentations that you've  
10 heard on the license renewal process.

11 And then moving to the public comment  
12 period. During the public comment period, that's the  
13 NRC's opportunity to listen, so they're in listening  
14 mode. And that's your opportunity to make your  
15 comments. That's why we have the Q&A session before  
16 that to provide any clarifications on the  
17 presentations that you're going to hear. We want to  
18 give you an opportunity to do that before we move into  
19 the comment period.

20 The process for the comment period I'll go  
21 over when we get there, but I would remind you as I've  
22 already done a couple of times -- you're probably  
23 tired of hearing this. But I do need the yellow card  
24 if you wish to make a comment during the public  
25 comment period. So make sure you do that in the next

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1 couple of minutes if you want to make a comment.

2 We do have a few NRC staff here, so I'm  
3 going to give them an opportunity to introduce  
4 themselves before we begin the presentation. I'll  
5 start with Brian.

6 MR. HARRIS: Hello, Brian Harris, Safety  
7 Project Manager.

8 MR. DUMBACHER: Hello, I'm Dave Dumbacher.  
9 I work at the Callaway Plant for the NRC as the Senior  
10 Resident Inspector.

11 MR. MOREY: Hello, I'm Dennis Morey. I'm  
12 the Chief of the License Renewal Projects Branch and  
13 also the Safety Evaluation Regulation. And so I have  
14 two -- I have responsibility of overseeing the license  
15 renewal projects at the NRC.

16 MS. FELLS: Hi, I'm Carmen Fells,  
17 Environmental Project Manager.

18 MR. FORD: Hi, I'm Bill Ford. I'm a  
19 geologist, hydrologist, technical reviewer for the  
20 NRC.

21 MS. YANCEY: And my name is Dawn Yancey.  
22 I'm a secretary at the Callaway Plant for the Nuclear  
23 Regulatory Commission.

24 MS. SALTER: Thank you very much. So with  
25 that I think we have covered all the housekeeping and

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1 process related issues. I'm going to turn it over to  
2 Brian to begin the presentation.

3 There were copies out front of the  
4 presentation. If you didn't get one, you can still  
5 get one of those.

6 MR. HARRIS: So good afternoon. My name  
7 is Brian Harris. I'm the Safety Project Manager  
8 within the Division of License Renewal and I am  
9 coordinating the staff's review associated with the  
10 Callaway Plant, Unit 1, License Renewal Application.  
11 So thank you all for taking time to come out to  
12 today's public meeting.

13 So today we will provide an overview of  
14 the license renewal process, which includes both the  
15 safety and environmental reviews. We will describe  
16 ways in which the public can participate in the  
17 Callaway license renewal process. I'd like to  
18 reiterate that the most important part of today's  
19 meeting is to receive any comments that you have on  
20 the scope of the environmental review. We will also  
21 give you some information about how you can submit  
22 comments if you prefer not to speak at this meeting  
23 today.

24 I hope the information we provide you will  
25 help you to understand the license renewal review

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1 process and the roles you all have in the process.

2 So before I get into the discussion of the  
3 license renewal process, I'd like to take a minute to  
4 talk about the NRC in terms of what we do and what our  
5 mission is.

6 So the NRC is a Federal agency that  
7 regulates the civilian use of nuclear material. The  
8 Atomic Energy Act authorized the NRC to grant a 40-  
9 year operating license for nuclear power plants. I'd  
10 like to highlight that this 40-year term was based  
11 primarily on economic considerations and antitrust  
12 factors, not on safety or technical limitations. The  
13 Atomic Energy Act also allows for license renewal.

14 The National Environmental Policy Act of  
15 1969, or NEPA, established the national policy for  
16 considering the impact of Federal decision-making on  
17 the human environment. Carmen will discuss the NEPA  
18 in greater detail.

19 The NRC's mission is threefold: to ensure  
20 adequate protection of public health and safety, to  
21 promote the common defense and security, and to  
22 protect the environment.

23 The NRC accomplishes its mission through a  
24 combination of regulatory programs and processes, such  
25 as establishing rules and regulations, conducting

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1 inspections, issuing enforcement actions, assessing  
2 licensee performance. We also evaluate operating  
3 experience from nuclear plants across the country and  
4 internationally as well. The NRC has resident  
5 inspectors at all of the nuclear power plants.

6 Dave Dumbacher and Zachary Holcroft, Dave  
7 is here right now; Zachary will be at this evening's  
8 meeting. So these inspectors are considered the eyes  
9 and ears of the NRC. And they carry out the safety  
10 mission on a daily basis and are our front lines for  
11 ensuring acceptable safety performance and compliance  
12 with the NRC regulatory requirements.

13 So I'd like to mention a few very  
14 important areas of the NRC oversight that routinely  
15 come up during our interactions with members of the  
16 public. The NRC staff addresses these areas of  
17 performance every day as part of the ongoing  
18 regulatory oversight provided for all currently  
19 operating power reactors. They include current safety  
20 performance (as defined by NRC inspection findings,  
21 violations, and general assessments of plant  
22 performance), emergency planning, and security.

23 For specific information on the current  
24 performance of Callaway, you can use the link provided  
25 on this slide here. And it's also in your handouts as

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1 well.

2 The NRC monitors and provides regulatory  
3 oversight of activities in these areas on an ongoing  
4 basis under the current operating license. Therefore,  
5 we do not re-evaluate this in license renewal. So  
6 that's not to say that they're not important. We just  
7 don't duplicate this regulatory process in these areas  
8 for license renewal.

9 Well, since the accident at Fukushima, the  
10 NRC has taken multiple steps to ensure the safe  
11 operation of nuclear power plants, both now and into  
12 the future. As part of its initial response to the  
13 accident, the NRC issued temporary instructions to our  
14 inspectors directing specific inspections of nuclear  
15 power plants in order to assess disaster readiness and  
16 compliance with current regulations.

17 The next step in the NRC's response was  
18 the report of the NRC's Near-Term Task Force. The  
19 purpose of the Near-Term Task Force was to develop  
20 near-term recommendations and suggest a framework for  
21 us to move forward within the longer term. The Near-  
22 Term Task Force issued its report on July 12th, 2012  
23 (sic) and recommended 12 overarching recommendations  
24 for improvement. These recommendations are applicable  
25 to operating reactors regardless of the license

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1 renewal status.

2 The NRC has prioritized the  
3 recommendations from the Near-Term Task Force and has  
4 identified additional recommendations.

5 The Commission has directed the staff to  
6 move forward on those that can be pursued without  
7 delay. And the NRC staff actually issued the related  
8 orders and request for additional information in March  
9 of this year. I think it was actually this morning or  
10 yesterday.

11 To date the NRC has not identified any  
12 issues as part of these activities that call into  
13 question the safety of any nuclear facility.  
14 Additionally, this review process is going on  
15 independent of the license renewal process. Any  
16 changes that are identified as necessary will be  
17 implemented for all licensees, regardless of license  
18 renewal status.

19 And the most information on the NRC's  
20 post-Fukushima activities, including the paper  
21 containing the draft orders and requests for  
22 additional information, can be found on the NRC's  
23 website. And we have a link here on this slide here.

24 So the NRC received Callaway's application  
25 for license renewal on December 19th, 2011, requesting

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1 an additional 20 years of operation. The current  
2 operating license for Callaway expires in 2024.

3 Licensees can submit an application for  
4 license renewal after it has operated 20 years. The  
5 NRC has determined that 20 years of operation provides  
6 enough information for the staff to make an informed  
7 decision on license renewal.

8 So the first step of the license renewal  
9 process is to perform an acceptance review --  
10 acceptance and sufficiency review of the application.  
11 The purpose of this review is to determine that the  
12 applicant has provided the required information.

13 Required information includes:

14 Technical information about the plant  
15 structures and components and the applicant proposes  
16 to manage the aging of these structures and  
17 components.

18 Technical specifications defining the  
19 operating parameters of the plant. The application  
20 indicates if any changes or additions to technical  
21 specifications are necessary to manage the effects of  
22 aging during the period of extended operation.

23 And the application also includes an  
24 Environmental Report, which is the applicant's  
25 assessment of the environmental impacts of continued

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1 operation.

2 If the application has the required  
3 information, then it is considered acceptable and it  
4 is put on the NRC's formal docket and the staff begins  
5 its review.

6 So this flow chart that highlights license  
7 renewal involves two parallel reviews: the safety  
8 review and the environmental review. These two  
9 reviews evaluate separate aspects of the license  
10 renewal application. It also features other  
11 considerations in the Commission's decision of whether  
12 or not to renew an operating license.

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

23 So the dotted lines show that the hearings  
24 may also be conducted if interested stakeholders  
25 submit concerns or contentions and their request for a

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1 hearing is granted. The Atomic Safety and Licensing  
2 Board -- it's a adjudicatory panel -- will conduct  
3 these hearings. The Commission considers the outcome  
4 of the hearing process in its decision on whether or  
5 not to issue a renewed operating license.

6 And as part of the environmental review,  
7 the staff consults with local, state, and federal, and  
8 tribal officials, such as the EPA. And the staff  
9 holds public meetings to receive comments on the Draft  
10 EIS.

11 And so now I'm going to describe license  
12 renewal review process in a little more detail here.  
13 So in order to better understand the license renewal  
14 process, it is good to know the safety principles that  
15 guide license renewal.

16 And the first principle is that the  
17 current regulatory process is adequate to ensure that  
18 the licensing basis of all operating plants provides  
19 and maintains an acceptable level of safety.

20 The second principle is that the current  
21 plant-specific licensing basis must be maintained  
22 during the renewal term in the same manner, and to the  
23 same extent, as during the original licensing term.  
24 In other words, the same rules that apply under the  
25 current license will apply in the renewal term.

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1           In addition, a renewed license will  
2 include conditions that must be met to ensure the  
3 aging of the structures and components important to  
4 safety is adequately managed so that the plant's  
5 current licensing basis is maintained during the  
6 period of extended operation.

7           So the safety review process focuses on  
8 the aging of passive and long-lived structures and  
9 components in systems that NRC deems important to  
10 plant safety. We consider:

11           Safety related systems, structures, and  
12 components, for example, the reactor containment;  
13 Non-safety related systems, structures, and  
14 components which, if they failed, could affect safety-  
15 related SSC function, for example, a piece of  
16 equipment directly above the safety-related component;  
17 and

18           Systems, structures, and components relied  
19 upon for compliance with federal regulations for fire  
20 protection or environmental qualification, or  
21 pressurized thermal shock.

22           The staff's main objective is to determine  
23 if the aging effects of the aging will be adequately  
24 managed by the applicant. The results of the safety  
25 review are documented in a safety evaluation report,

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1 or SER.

2 So now that you understand what is the  
3 subject of the review, I'll talk about how the NRC  
4 looks at all of this information.

5 So the safety review comprises of numerous  
6 rigorous aspects. The technical staff reviews the  
7 applicant's license renewal application and supporting  
8 documentation:

9 To determine the applicant's methodology  
10 to identify SSCs within the scope of license renewal  
11 and subject to an aging management review,

12 To determine if the methodology has been  
13 properly implemented,

14 And to determine, with reasonable  
15 assurance, that the effects of aging for certain SSCs  
16 will be adequately managed or monitored by new and  
17 existing programs and surveillance activities.

18 The staff uses site audits or visits to  
19 verify technical basis of the license renewal  
20 application and to confirm that the applicant's aging  
21 management programs and activities conforms with how  
22 they are described in the license renewal application.  
23 The staff documents the basis and conclusions of its  
24 review in a safety evaluation report which is made  
25 publicly available.

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1           In addition, a team of specialized  
2 inspectors travel to the reactor site to verify the  
3 aging management programs are being implemented,  
4 modified, or planned consistent with the license  
5 renewal application.

6           So finally, as I have mentioned, the ACRS  
7 performs an independent review of the license renewal  
8 application, the staff's SER, safety evaluation  
9 report, and inspections findings, and makes a  
10 recommendation to the Commission regarding the  
11 proposed action to the renewal of the operating  
12 license.

13           So this slide shows important milestones  
14 for the safety review process. It is important to  
15 note that these dates are tentative. Schedule changes  
16 may result from a host of reasons. If significant  
17 issues are identified during the license renewal  
18 review, the review may be suspended indefinitely or  
19 terminated.

20           So that concludes the description of the  
21 safety review. And Carmen will present the  
22 environmental portion.

23           MS. FELTS: Thank you, Brian. Good  
24 afternoon, my name is Carmen Fells. And I will go  
25 over the environmental review process.

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

11           The NRC's environmental regulations  
12 implementing the requirement of NEPA are contained in  
13 10 CRF 51.

14           Our environmental review considers the  
15 impact of license renewal and any mitigation for those  
16 impacts considered significant. We also consider the  
17 impacts of alternatives to the license renewal,  
18 including the impacts of not issuing a renewed  
19 license. We document the review in an environmental  
20 impact statement which is made publicly available.

21           Ultimately, the purpose of the  
22 environmental review is to determine whether the  
23 environmental impacts of license renewal are  
24 reasonable and, in combination with other reviews, to  
25 make a recommendation to the Commission whether to

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1 renew the license or not.

2 For a license renewal review, the NRC  
3 environmental staff looks at a wide range of potential  
4 impacts. Additionally, we consult with various  
5 Federal, State, and local officials, as well as  
6 leaders of Indian Nations. Examples include:

7 U.S. Fish and Wildlife Service

8 Environmental Protection Agency

9 Missouri Department of Natural Resources

10 Missouri Department of Health and Senior  
11 Services

12 Missouri Department of Conservation

13 Missouri State Historic Preservation Offices

14 And Tribal Nations with historic ties to the area  
15 around the plant.

16 We gather pertinent information from these  
17 sources and ensure it is considered in our analysis.

18 The environmental review begins with a  
19 scoping process which is an assessment of the specific  
20 impacts and significant issues that the staff should  
21 consider in preparing the Callaway Environmental  
22 Impact Statement. Currently, this is where we are  
23 within the process. Information that we gather from  
24 you today and in the next few weeks will be considered  
25 and included in the Environmental Impact Statement.

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1           We've recognized that some impacts are  
2 similar, if not identical, to all nuclear power  
3 plants. So to improve efficiency, we developed a  
4 Generic Environmental Impact Statement that addresses  
5 a number of impacts common to all nuclear power  
6 plants. The staff supplements that Generic EIS with a  
7 site specific EIS in which we will address issues that  
8 are specific to Callaway. The staff also re-examines  
9 the conclusions reached in the Generic EIS to  
10 determine if there is any new and significant  
11 information that could change those conclusions.

12           The scoping period started on February  
13 24th, 2012, when the Notice of Intent to prepare an  
14 EIS and conduct Scoping was published in the Federal  
15 Register. The NRC will accept comments on the scope  
16 of the environmental review until April 24th, 2012.

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

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1 this region.

2           These are just some examples of the input  
3 we seek through the environmental scoping process. We  
4 are not as familiar with your community as you are, so  
5 your comments today help to facilitate a thorough  
6 review.

7           Public comments are an important part of  
8 the environmental review process. So how do we use  
9 your comments?

10           All of your comments to us, whether  
11 provided verbally during this meeting or in a written  
12 letter, fax, or email, are considered and addressed.  
13 We respond to each comment as part of our  
14 environmental review. The EIS is one of the factors,  
15 as well as the several others shown here, that  
16 influence the Commission's decision to renew the  
17 license or not.

18           You can provide written comments by mail  
19 to the Chief of Rules, Announcements, and Directives  
20 Branch at the addresses provided on this slide.

21           Finally, if you happen to be traveling to  
22 the D.C. area, you can provide written comments in  
23 person during business hours.

24           This slide shows important milestones for  
25 the environmental review process. As Brian stated,

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1 these dates are subject to change based on the  
2 progress of the review.

3 The opportunity to submit contentions for  
4 a hearing closes on April 24th, 2012. The opportunity  
5 to submit environmental comments also closes on April  
6 24th, 2012.

7 Please note that a draft Supplemental  
8 Environmental Impact Statement is scheduled to be  
9 issued for public comment in February of 2013 with  
10 associated public meetings to receive your comments on  
11 this preliminary document.

12 Brian and I are the primary points of  
13 contact at the NRC for license renewal issues for  
14 Callaway. Our contact information is provided on this  
15 slide and also in the handout.

16 Hardcopies of the license renewal  
17 application and environmental report may be found at  
18 the Callaway County Public Library.

19 The draft Supplemental Environmental  
20 Impact Statement will also be available at this  
21 library when it is published for comment.

22 These documents will also be on the NRC's  
23 website at the web address shown at the bottom of the  
24 slide.

25 As you came in, you were asked to fill out

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1 a registration card at our reception table. If you've  
2 included your address on that card, we will mail you a  
3 CD copy of the draft and final EIS.

4 This concludes my presentation.

5 MS. SALTER: Thank you, Carmen.

6 As I stated before, when we go into the  
7 public comment period, that's the listening mode for  
8 NRC. So before we go there, we wanted to give you all  
9 an opportunity to ask the NRC staff any questions on  
10 the license renewal process or the presentations that  
11 you just heard. Lots of information, so wanted to  
12 make sure that you didn't need any clarification on  
13 anything that you've heard or have any other  
14 questions.

15 So if you do, raise your hand and I'll  
16 bring you the microphone and we can go from there.

17 Please introduce yourself by stating your  
18 name and if you're affiliated with an organization.

19 MR. KEEBLE: Yes, easy question. My name  
20 is Jeff Keeble. I'm with the Missouri Public Service  
21 Commission. I'm just curious about your process. On  
22 the slide No. 8 that Brian had says License Renewal  
23 Process. And I think Carmen's slides also said this,  
24 that the hearing is only held after a request for a  
25 hearing is granted.

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1 I was wondering who had requested that and  
2 what the standard for grant is and is the time for  
3 requesting that passed now or when is the time what  
4 for requesting that?

5 MS. SALTER: Brian, you want to go to the  
6 podium and talk a little bit about the hearing  
7 process?

8 MR. HARRIS: Yes, the hearing process is  
9 April the 24th, the deadline for that. So any members  
10 of the public that have some sort of a standing within  
11 this regulatory action. And that's pretty much -- if  
12 you have some standing with the license renewal  
13 regulatory action. If you have standing, then you can  
14 petition that will be -- the petition will go to the  
15 hearing process.

16 MS. SALTER: Can you elaborate on who  
17 would have standing? Is that defined by the NRC?

18 MR. HARRIS: Yeah, if you have some  
19 members that live close to the plant where you have  
20 some sort of a financial standing and have property  
21 near the plant, or if you live near the plant, things  
22 of that nature.

23 MS. SALTER: And is there a place on the  
24 NRC website where people can get more information on  
25 how to do that in --

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1 MR. HARRIS: We have some of that  
2 information in the FAQs. It really guides you through  
3 that process and gives you more detailed information  
4 on the hearing process and things of that nature.

5 MS. SALTER: And the date to do that was  
6 April 24th?

7 MR. HARRIS: The date on that is April  
8 24th.

9 MS. SALTER: Does that answer your  
10 question?

11 MR. KEEBLE: Yes, thank you.

12 MR. SMITH: Hi, my name is Ed Smith. I'm  
13 the State Energy Director for the Missouri Coalition  
14 for the Environment. And this is for either of the  
15 two presenters. Our Missouri Union Electric Company  
16 has had a significant amount of time to put together  
17 their 1,200 page license extension application and 400  
18 page environmental report. And the NRC itself is a  
19 highly technical institution that solely focuses --  
20 not solely focuses, but focuses particularly on these  
21 license extension applications.

22 My question is, is it reasonable for the  
23 NRC to think that the public in our understanding of  
24 these highly technical, highly dense documents -- is  
25 it reasonable for the NRC to think that the public can

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1 have an adequate amount of time in 60 days to turn  
2 around our possible contentions about the license  
3 application and the environmental impact statement?

4 MS. SALTER: So the amount of time the  
5 public has, is there any information that you all can  
6 share on how that's determined?

7 MS. FELLS: We base our opportunity to  
8 submit comments on past license renewal processes.  
9 And in the past this is the amount of time that has  
10 been reasonable for the public to submit comments.  
11 But that is a comment that you can also submit on the  
12 process. We will accept and address that comment on  
13 the 60-day period allowed for the scoping comment  
14 period.

15 MS. SALTER: Okay, any other questions on  
16 the license renewing process?

17 MR. BARDEN: My name is Jeff Barden and  
18 I'm just a resident of the county. But I was curious.  
19 If the extension is granted, does this go for an  
20 additional 40 years? Is that what I saw? An  
21 additional 40 after it's granted.

22 MR. HARRIS: It's an additional 20 years.

23 MR. BARDEN: An additional 20 years.

24 MR. HARRIS: On top of the current license.

25 MR. BARDEN: Thank you.

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1 MS. SALTER: And another question over  
2 here. And please introduce yourself.

3 MS. SHAEFER: My name is Ruth Shaefer.  
4 I'm a Callaway County resident out in Bloomfield. I  
5 just want to clarify for my own benefit. This is  
6 regarding the continuing operation of the present  
7 Callaway plant, not for any other project, correct?

8 MR. HARRIS: Yes, the specific regulatory  
9 action is for a license renewal of the current  
10 Callaway Plant, Unit 1.

11 MS. SHAEFER: Okay, thank you.

12 MS. SALTER: Thank you. Any other  
13 questions?

14 Okay, NRC's staff will be here after the  
15 meeting if you do have another question that you think  
16 of. We'll also have another meeting this evening.

17 So now we're going to move into the public  
18 comment period. And I have a few people who have  
19 signed up. Again you need to sign up if you want to  
20 make a comment.

21 And once again we're transcribing the  
22 meeting. So I would ask when I call your name to come  
23 up to the podium and start by introducing yourself  
24 and, if you're affiliated with an organization,  
25 provide that information as well. And go ahead and

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1 make your comment.

2 I would ask people in the audience to  
3 refrain from sidebar conversations or making comments  
4 from the audience because you'd be surprised how much  
5 that interferes with our ability to get an accurate  
6 recording. And we want to make sure we have  
7 everyone's comments the way that you ask them so that  
8 the NRC staff can respond to them.

9 So with that, we are going to go ahead and  
10 get started. We do have some time and we don't have  
11 too many speakers. But I would ask folks to be as  
12 succinct as they can and maybe 10 minutes or so should  
13 be enough time for everyone to make their comment and  
14 still leave a little bit of extra time for folks to  
15 ask the NRC questions before they need to go get some  
16 dinner so that they can be back here by 5:30 to  
17 prepare for this evening's meeting. So with that, I'm  
18 going to get started.

19 And I'm going to ask Mr. Ed Smith to come  
20 up and make his comments. Again please introduce  
21 yourself by stating your name and any organization  
22 affiliation you have.

23 MR. SMITH: Hello, everyone. My name is  
24 Ed Smith. I'm the State Energy Director with the  
25 Missouri Coalition for the Environment. I just wanted

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1 to thank the Nuclear Regulatory Commission for having  
2 this public meeting today.

3 So the Missouri Coalition -- I should have  
4 started reading my document first. The Missouri  
5 Coalition for the Environment appreciates the  
6 opportunity to submit comments to the Nuclear  
7 Regulatory Commission regarding the scope of the  
8 Supplement to the Generic Environmental Impact  
9 Statement of the license renewal for the Callaway  
10 Nuclear Reactor.

11 The Missouri Coalition for the Environment  
12 is a 42-year old independent statewide environmental  
13 non-profit. It includes members living near the  
14 Callaway Nuclear Reactor. The Coalition has a long  
15 history of legal intervention with the Callaway  
16 Reactor that goes back four decades. Our long-  
17 standing concern has been one of public safety and  
18 protection of our environment.

19 The Coalition plans to intervene in the  
20 upcoming license proceedings regarding the Union  
21 Electric Company's license for renewal application.  
22 As a preliminary matter, we request that the NRC  
23 extend the deadline for submitting written scoping  
24 comments until 30 days after the deadline for  
25 submitting hearing requests and contentions. That

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1 date is April 24th.

2 So while we believe it is appropriate for  
3 the NRC to hold public meetings now in order to  
4 explain a license renewal process to the public, it is  
5 unreasonable and unfair to require the public to  
6 comment on the scope of the Supplemental GEIS at this  
7 stage of the proceeding. When the Missouri Coalition  
8 for the Environment and other members of the public  
9 are reviewing the license renewal application that's  
10 four hundred and -- excuse me -- the 1,200 page highly  
11 technical license renewal application and the 400 page  
12 highly technical environmental report.

13 With respect to the scope of the  
14 Supplemental Generic Environmental Impact Statement,  
15 the Missouri Coalition for the Environment has two  
16 overarching concerns. First, we believe it is  
17 unacceptable for the NRC to rely on the 1996 GEIS for  
18 the renewal of the Callaway license because it's  
19 severely out of date. The NRC should postpone  
20 preparation of the Supplemental GEIS for the Callaway  
21 Unit until it is finalized and revised GEIS that it  
22 issued for comment in July of 2009. In the  
23 alternative it should prepare an EIS, Environmental  
24 Impact Statement, for Callaway that addresses all  
25 environmental issues and does not rely at all on a 16-

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1 year-old document.

2           Given that the draft version of the  
3 revised GEIS was issued fully two and a half years  
4 ago, continued reliance on this old document is  
5 utterly unjustified.

6           Second the Coalition demands that the  
7 Supplemental GEIS address the environmental  
8 applications of the Fukushima Daiichi Nuclear Reactor  
9 accident, including the environmental risks posed by  
10 the NRC's apparent decision to postpone implementation  
11 of a number of the Fukushima Task Force  
12 recommendations for safety and environmental  
13 protection upgrades until some undetermined future  
14 time.

15           The Supplemental GEIS should -- excuse me  
16 -- the Supplemental GEIS should recommendations --  
17 excuse me -- I'll just start over.

18           The Supplemental GEIS should address all  
19 the Fukushima -- should address all the Fukushima Task  
20 Force recommendations that are relevant to Callaway.

21           By (A) identifying which recommendations  
22 have been implemented and explaining how they have  
23 been implemented.

24           And (B) identifying all recommendations  
25 whose implementation has been postponed or explaining

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1 how that postponement will affect the safety and  
2 environmental risks posed by the reactor.

3 Thank you for your time.

4 MS. SALTER: Thank you, Mr. Smith.

5 I would now invite Pamela Murray to come  
6 up to the podium. Ms. Murray is an Alderman with the  
7 city of Holts Summit.

8 MS. MURRAY: Thank you for this  
9 opportunity to address everyone. I am a local elected  
10 official. I'm not an environmentalist. But I do have  
11 some experience being a Callaway County resident. And  
12 that is that Ameren Missouri has had a history of  
13 being very responsive whenever an issue has been  
14 raised. And I'm sure that when the final regulations  
15 are implemented that that will continue. I certainly  
16 hope it will. And certainly I feel that past behavior  
17 and this case responsiveness is a good predictor of  
18 future behavior. So I do not have any specific  
19 concerns regarding that.

20 Being active in my community, I have been  
21 involved with Ameren Missouri and found them to be a  
22 good corporate citizen. I'd like to speak briefly  
23 about two projects Ameren Missouri has been involved  
24 with. One of those is a tree planting in Holts  
25 Summit. And they were a financial contributor. They

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1 also provided a great deal of labor when it came time  
2 to plant hundreds of trees and shrubs in Holts Summit.  
3 They provided expertise for our environmental project.  
4 They also throughout the state of Missouri are  
5 involved in the Missouri Relief Program. They are a  
6 major benefactor for this program which provides free  
7 trees to cities and non-profit corporations. And I  
8 just think that that demonstration for the respect for  
9 the environment should also be taken into  
10 consideration. And I'd like to thank the NRC and the  
11 City of Fulton for providing this facility.

12 Thank you.

13 MS. SALTER: Thank you, Ms. Murray.

14 I'd like to invite Kay Drey up to the  
15 podium. Ms. Drey is with Beyond Nuclear.

16 MS. DREY: Hi, thank you for this, having  
17 this meeting today. My name is Kay Drey. I live in  
18 St. Louis. And I've been a member of the Missouri  
19 Coalition for the Environment since its creation. And  
20 I'm also a member of the Board of Directors at Beyond  
21 Nuclear, an organization located in Tacoma Park,  
22 Maryland.

23 And all I'm here today is just to submit  
24 for the record of today's scoping meeting three  
25 documents. One is a brand new copy of the Economist.

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1 And its cover is called, "Nuclear Energy, the Dream  
2 That Failed." And I really like the cover. And there  
3 are some long reports in here. So I think this is  
4 something that may be of interest to some of you.

5 And then two pamphlets that I helped  
6 write. One is called, "Dirty, Dangerous, and  
7 Expensive: The Verdict Is in on Nuclear Power."  
8 These are not in favor of nuclear power. And the  
9 other one is called "The Lethal Legacy of the Atomic  
10 Age: 1942 to the Year 2012," which is now to  
11 infinity. And it says, "A mountain of waste 70 years  
12 high, it's time to stop making it."

13 And I have more copies if anyone would  
14 like a copy.

15 And so again, I do thank you for the  
16 opportunity to have this meeting here.

17 MS. SALTER: With that, I'd like to invite  
18 Ruth Schaefer.

19 MS. SCHAEFER: I'd like to defer my  
20 comments. I think the gentleman from the Coalition  
21 has said it.

22 MS. SALTER: Okay, you are our last  
23 speaker.

24 Oh, we have another card. All right. I  
25 invite Bill Johnson to the podium. Please introduce

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1 yourself and, if you're affiliated with an  
2 organization, you can mention that too.

3 MR. JOHNSON: Good afternoon. My name is  
4 Bill Johnson. I'm the City Administrator of Fulton,  
5 Missouri, and I have been for the past 16 and a half,  
6 17 years. I'm here actually speaking as a citizen  
7 because the City Council has not of yet taken an  
8 official position on this. But I am 100 percent  
9 confident the City Council would be behind every word  
10 that I am about to say.

11 The citizens of Fulton like the Ameren  
12 plant where it is. We like the operation. We like  
13 the staffing. We like the safety levels. We are  
14 incredibly involved in the safety review of the  
15 facilities out there. If anyone is concerned about  
16 the safety record, our records are available online if  
17 you want to take the time to look. The inspections  
18 are online. You can even ask for the NRC to mail you  
19 -- email you, put you on a list and get an email to  
20 you if you'd like.

21 We've had a great positive relationship  
22 with the nuclear plant for the 27 years it's been in  
23 operation and for the 10 years or so before that when  
24 it was under construction. We hope to be able to  
25 maintain that strong relationship for a long time.

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1           What's good for Fulton, what's good for  
2 Callaway County, what's good for the State of  
3 Missouri, is good for the Callaway Plant and vice  
4 versa. What is good for us is good for them. It's a  
5 great working relationship.

6           As I kind of said, having been here for 17  
7 years, I have been involved in dozens and dozens of  
8 drills associated with the safety performance of the  
9 plant. The city is actively involved when it comes to  
10 the drills. The City Administrator, myself, is there.  
11 The Mayor is there, the Police Chief, Fire Chief,  
12 planning officials, city engineers, city utilities.  
13 We through our actions support and endorse the Ameren  
14 plant.

15           And many times throughout the year, Ameren  
16 comes to us and says, "Is there anything we can do for  
17 you?" Sometimes we take them up on it; sometimes we  
18 don't. But they are an incredible corporate citizen  
19 to the community of Fulton.

20           And like I said, we would like to  
21 encourage the NRC to agree with this extension.

22           Thank you.

23           MS. SALTER: Thank you, very much. I do  
24 believe unless there's another yellow card back there  
25 that we don't have anyone else signed up to make a

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1 comment.

2 So I just have a couple of things to  
3 remind you of. These public meetings are very  
4 important to the NRC and your feedback helps us  
5 improve them. It's also important and there are  
6 feedback forms back on the registration table. Dawn  
7 has them in her hand. And we really ask that you take  
8 one and fill it out. You can leave it here or you can  
9 drop it in the mail. It's postage paid and we would  
10 really appreciate you doing that.

11 Also NRC staff will be here after the  
12 meeting. You've met them. If you have a question  
13 that you didn't want to address to the whole group but  
14 you'd like to talk to them, please feel free to do  
15 that. We also have a table in the back with a lot of  
16 information. I invite you to take a look at that and  
17 to ask any other questions of NRC staff you have once  
18 we close the meeting.

19 And to close the meeting, I'm going to  
20 turn it over to Dennis Morey.

21 MR. MOREY: I'd like to thank you for  
22 coming here today. And we appreciate your comments.  
23 Your comments are a very important part of the  
24 process. And we hold these meetings in fulfillment of  
25 the Commission's commitment to openness. And so we

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1 thank you and I guess we are going to adjourn now and  
2 prepare for -- go have dinner. Otherwise we're here  
3 for the evening meeting.

4 Thank you.

5 (Whereupon, the afternoon session was  
6 concluded at 2:51 p.m.)  
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**Official Transcript of Proceedings**  
**NUCLEAR REGULATORY COMMISSION**

Title:                   Callaway Plant License Renewal  
                              Public Meeting: Evening Session

Docket Number:   (n/a)

Location:                Fulton, Missouri

Date:                    March 14, 2012

Work Order No.:        NRC-1502

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UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION  
+ + + + +  
CALLAWAY PLANT, UNIT 1 (CALLAWAY)  
LICENSE RENEWAL PROCESS  
and  
ENVIRONMENTAL SCOPING MEETING  
+ + + + +  
Fulton, Missouri  
March 14, 2012  
Evening Session  
7:00 p.m. to 9:00 p.m.

1 NRC REPRESENTATIVES IN ATTENDANCE  
2 SUSAN SALTER, Facilitator  
3 Carmen Fells, Environmental Project Manager  
4 BRIAN HARRIS, Safety Project Manager  
5 ZACHARY HOLCROFT, Callaway Plant, NRC Senior Resident  
6 Inspector  
7 DENNIS MOREY, Chief of the License Renewal Projects  
8 Branch  
9 BILL FORD, Geologist, Hydrologist, Technical Reviewer  
10 for the NRC  
11 DAWN YANCEY, Secretary for the NRC at the Callaway  
12 Plant  
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## P R O C E E D I N G S

(7:00 p.m.)

1  
2  
3 MS. SALTER: Good evening. Welcome back  
4 to those of you who were here this afternoon. Welcome  
5 to those of you who are just joining us for the first  
6 time. My name is Susan Salter and I am going to be  
7 the Facilitator for this afternoon's meeting. And my  
8 job as Facilitator is just to keep us on track, keep  
9 the meeting moving, manage our time, make sure that  
10 everybody who came out this evening has an opportunity  
11 to make their comment.

12 Before we get started, I want to let you  
13 know that we are transcribing the meeting. And I  
14 would ask to help us get an accurate transcription  
15 that you please refrain from sidebar conversations.  
16 Background noise does make it very difficult to get an  
17 accurate transcription. I would ask that you put your  
18 electronic devices on silent or vibrate mode. And if  
19 you need to take a call, we certainly understand that.  
20 We just ask that you step out of the room to do that.

21 Restrooms, if you need them, straight out  
22 this door, you'll see them to your left. And if we  
23 need to evacuate this room for any reason or this  
24 building, there's an exit right here to my right. And  
25 also if you go straight out the doors, make a right,

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1 you'll see another exit to the outside.

2           The purpose of tonight's meeting is to  
3 discuss the license renewal process for the Calloway  
4 Plant, Unit 1. And our agenda for the meeting, we're  
5 going to start off with some presentations by the NRC  
6 staff on the license renewal process. And after that  
7 we'll take some time for a brief questions and answers  
8 on the license renewal process on the presentations  
9 that you'll hear.

10           And then we'll move on to the public  
11 comment period. During the public comment period,  
12 it's NRC's time to listen, so they're in listening  
13 mode. That's why we have the Q&A before that to  
14 answer any questions you may have on the license  
15 renewal process or anything that you heard during the  
16 presentations.

17           I'll go over the process we use for public  
18 comment when we get to that point, but I would remind  
19 you again if you want to make a comment, I do need you  
20 to fill out a yellow card. And you can hand it to  
21 Dawn, who you probably met when you came in to the  
22 meeting.

23           So before we get started with the  
24 presentations, I want to give the NRC staff who are  
25 here an opportunity to introduce themselves. So I

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1 will start over here with Zach.

2 MR. HOLCROFT: Hey to you. I'm Zach  
3 Holcroft. I am the Resident Inspector at Callaway,  
4 one of two of us that are permanently stationed there  
5 year round.

6 MR. MOREY: I'm Dennis Morey and I'm the  
7 Chief of the Projects Branch in the License Renewal  
8 Division at the NRC. Plus my branch handles the  
9 Safety Evaluation part of the license renewal and also  
10 it handles the license renewal projects throughout  
11 their time in the Agency.

12 MS. FELLS: Good evening. My name is  
13 Carmen Fells and I'm the Environmental Project  
14 Manager.

15 MR. HARRIS: Good evening. My name is  
16 Brian Harris. I'm the Safety Project Manager for  
17 Callaway.

18 MR. FORD: Hi, I'm Bill Ford. I'm a  
19 technical reviewer and I'm just one of many technical  
20 reviewers that will be looking at the application.

21 MS. YANCEY: And my name is Dawn Yancey.  
22 I'm here at the local Resident Inspector's office at  
23 the Calloway Plant as an NRC employee.

24 MS. SALTER: Thank you. And Dawn will be  
25 collecting those yellow cards. If you decide that you

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1 want to make a comment, she can get you a card and  
2 she'll collect the card from you.

3 So I think that covered all the  
4 housekeeping, all the introductions that we need to  
5 do. So with that, I'm going to turn it over to Brian  
6 Harris to begin the presentations.

7 MR. HARRIS: Good evening. My name is  
8 Brian Harris, the Safety Project Manager within the  
9 Division of License Renewal of the Nuclear Regulatory  
10 Commission and I am coordinating the staff's review  
11 associated with the Callaway Plant, Unit 1, License  
12 Renewal Application. So thank you all for taking time  
13 to come here this evening.

14 So tonight we will provide you an overview  
15 of the license renewal process, which includes both  
16 the safety review and environmental review. And we  
17 will describe ways in which the public can participate  
18 in the Callaway license renewal process. I'd like to  
19 reiterate that the most important part of tonight's  
20 meeting is to receive any comments that you may have  
21 on the scope of the environmental review. We will  
22 also give you some information about how you can  
23 submit comments if you prefer not to speak at this  
24 meeting.

25 I hope the information we provide will

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1 help you to understand the license renewal review  
2 process and the roles you all have in this process.

3 So before I get into the discussion of the  
4 license renewal process, I'd like to take a minute to  
5 talk about the NRC in terms of what we do and what our  
6 mission is.

7 The NRC is a Federal agency that regulates  
8 the civilian use of nuclear material. The Atomic  
9 Energy Act authorized the NRC to grant 40-year  
10 operating licenses for nuclear power reactors. I'd  
11 like to highlight that this 40-year term was based  
12 primarily on economic considerations and antitrust  
13 factors, not on safety or technical limitations. The  
14 Atomic Energy Act also allows for license renewal.

15 The National Environmental Protection Act,  
16 or NEPA, of 1969, established a national policy for  
17 considering the impact of Federal decision-making on  
18 the human environment. And Carmen will discuss the  
19 NEPA process in greater detail later in the  
20 presentation.

21 The NRC's mission is threefold: to ensure  
22 adequate protection of public health and safety, to  
23 promote the common defense and security, and to  
24 protect the environment.

25 The NRC accomplishes its mission through a

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1 combination of regulatory programs and processes, such  
2 as establishing rules and regulations, conducting  
3 inspections, issuing enforcement actions, assessing  
4 licensee performance. We also evaluate operating  
5 experience from nuclear plants across the country and  
6 internationally as well. The NRC has resident  
7 inspectors at all operating nuclear power plants.

8 And Zachary is here today with us. These  
9 inspectors are considered the eyes and ears of the  
10 NRC. And they carry out the safety mission on a daily  
11 basis and are our front lines for ensuring acceptable  
12 safety performance and compliance within the  
13 regulatory requirements.

14 So I'd like to mention a few very  
15 important areas of NRC oversight that routinely come  
16 up during our interactions with members of the public.  
17 The NRC staff addresses these areas of performance  
18 every day as part of the ongoing regulatory oversight  
19 provided for all currently operating power reactors.  
20 They include current safety performance (as defined by  
21 NRC inspection findings, violations, and general  
22 assessments of plant performance), emergency planning,  
23 and security.

24 For specific information on the current  
25 performance of Callaway, you can use the link provided

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1 here on this slide here. And it's also in your  
2 handouts as well.

3 The NRC monitors and provides regulatory  
4 oversight of activities in these areas on an ongoing  
5 basis under the current operating license. Therefore,  
6 we do not re-evaluate them in the license renewal  
7 space. So that's not to say that they aren't  
8 important. We just don't duplicate the regulatory  
9 process in these areas for license renewal.

10 So since the accident at Fukushima, the  
11 NRC has taken multiple steps to ensure the safe  
12 operation of nuclear power plants, both now and in the  
13 future. As part of its initial response to the  
14 accident, the NRC issued temporary instructions to our  
15 inspectors directing specific inspections of nuclear  
16 power plants in order to assess disaster readiness and  
17 compliance with the current regulations.

18 The next step in the NRC's response was  
19 the report of the NRC's Near-Term Task Force. The  
20 purpose of the Near-Term Task Force was to develop  
21 near-term recommendations and suggest a framework for  
22 us to move forward for the longer term. The Near-Term  
23 Task Force issued its report July 12th and recommended  
24 12 overarching recommendations for improvement. These  
25 recommendations are applicable to operating reactors

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1 regardless of the license renewal status.

2 The NRC has prioritized the  
3 recommendations from the Near-Term Task Force and has  
4 identified additional recommendations.

5 The Commission has directed the staff to  
6 move forward on those that can be pursued without  
7 delay. And the NRC staff issued related orders and  
8 request for additional information, today actually.

9 To date the NRC has not identified any  
10 issues as part of these activities that would call  
11 into question the safety of any nuclear facility.  
12 Additionally, this review process is going on  
13 independent of the license renewal. So any changes  
14 that are identified as necessary will be implemented  
15 for all licensees, regardless of the license renewal  
16 status.

17 More information on the NRC's post-  
18 Fukushima activities, including the paper containing  
19 the draft orders and requests for additional  
20 information, can be found on the NRC's website by  
21 clicking on the Japan Nuclear Accident, NRC actions  
22 link on the NRC's home page or directly to the web  
23 address on this slide here at the bottom.

24 So the NRC received Callaway's application  
25 for license renewal on December 19th, 2011, requesting

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1 an additional 20 years of operation. The current  
2 operating license for Callaway expires in 2024.

3 Licensees can submit an application for  
4 license renewal after it has operated for 20 years.  
5 The NRC has determined that 20 years of operation  
6 provides enough information for the staff to make an  
7 informed decision on license renewal.

8 So the first step of the license renewal  
9 process is to perform an acceptance and sufficiency  
10 review of the application. The purpose of this review  
11 is to determine that the applicant has provided the  
12 required information to move forward.

13 Some of that required information  
14 includes:

15 Technical information about the plant  
16 structures and components and how the applicant  
17 proposes to manage the aging of these structures and  
18 components.

19 Technical specifications defining the  
20 operating parameters of the plant. The application  
21 indicates if any changes or additions to technical  
22 specifications are necessary to manage the effects of  
23 aging during the period of extended operation.

24 And the application also includes an  
25 Environmental Report, which is the applicant's

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1 assessment of the environmental impacts of continued  
2 operation.

3 If the application has the required  
4 information, then it is considered acceptable and it  
5 is put on the NRC's formal docket and the staff will  
6 begin its review.

7 So this flow chart highlights license  
8 renewal involving two parallel reviews: the safety  
9 review and the environmental review. These two  
10 reviews evaluate separate aspects of the license  
11 renewal application.

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

22 So the dotted lines show that hearings may  
23 also be conducted if interested stakeholders submit  
24 concerns or contentions and their request for a  
25 hearing is granted. The Atomic Safety and Licensing

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1 Board, which is an adjudicatory panel, will conduct  
2 these hearings. The Commission considers the outcome  
3 of the hearing process in its decision on whether or  
4 not to issue a renewed operating license.

5 As part of the environmental review, the  
6 staff consults with local, state, federal, and tribal  
7 officials, such as the EPA. And the staff holds  
8 public meetings to receive comments on the Draft EIS.

9 And so now I'm going to describe the  
10 license renewal review process in a little more  
11 detail, starting with the state safety review. So in  
12 order to better understand the license renewal  
13 process, it is good to know the safety principles that  
14 guide license renewal.

15 The first principle is that the current  
16 regulatory process is adequate to ensure that the  
17 licensing basis of all operating plants provides and  
18 maintains an acceptable level of safety.

19 The second principle is that the current  
20 plant-specific licensing basis must be maintained  
21 during the renewal term in the same manner, and to the  
22 same extent, as during the original licensing term.  
23 In other words, the same rules apply under the current  
24 license will apply in the renewal term.

25 In addition, a renewed license will

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1 include conditions that must be met to ensure aging of  
2 structures and components important to safety is  
3 adequately managed so that the plant's current  
4 licensing basis is maintained during the period of  
5 extended operation.

6 So the safety review focuses on the aging  
7 of passive and long-lived structures and components in  
8 systems that NRC deems important to plant safety. We  
9 consider:

10 Safety related systems, structures, and  
11 components, for example, the reactor containment;

12 Non-safety related systems, structures,  
13 and components which, if they failed, could affect  
14 safety-related SSC functions, for example, a piece of  
15 equipment directly above the safety-related component;  
16 and

17 Systems, structures, and components relied  
18 upon for compliance with federal regulations for fire  
19 protection, environmental qualification, pressurized  
20 thermal shock, anticipated transients without scram  
21 and station blackout.

22 The staff's main objective in this review  
23 is to determine if the aging -- the effects of the  
24 aging will be adequately managed by the applicant.  
25 The results of the safety review are documented in a

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1 safety evaluation report, or SER.

2 So now that you know what is the subject  
3 of the review, I'll talk about how the NRC looks at  
4 all of this information.

5 The safety review is comprised of numerous  
6 rigorous aspects. The technical staff reviews the  
7 applicant's license renewal application and supporting  
8 documentation:

9 To determine the applicant's methodology  
10 to identify the SSCs within the scope of license  
11 renewal and subject to an aging management review,

12 To determine if the methodology has been  
13 properly implemented,

14 And to determine, with reasonable  
15 assurance, that the effects of aging for certain SSCs  
16 will be adequately managed or monitored by new or  
17 existing programs and surveillance activities.

18 The staff uses site audits or visits to  
19 verify technical basis of the license renewal  
20 application and to confirm that the applicant's aging  
21 management programs and activities conforms with how  
22 they are described in the license renewal application.  
23 The staff documents the basis and conclusions of its  
24 review in a safety evaluation report, or SER, which is  
25 made publicly available.

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1           In addition, a team of specialized  
2 inspectors travel to the reactor site to verify that  
3 the aging management programs are being implemented,  
4 modified, or planned consistent with the license  
5 renewal application.

6           Finally, as I have mentioned, the ACRS  
7 performs an independent review of the license renewal  
8 application, the staff's Safety Evaluation Report and  
9 inspections findings and then makes a recommendation  
10 to the Commission regarding the proposed action to  
11 issue a renewed operating license.

12           So this slide here shows important  
13 milestones for the safety review process. It's  
14 important to note that these dates are tentative.  
15 Schedule changes may result from a host of reasons.  
16 And if significant issues are identified during the  
17 license renewal review process, it may be suspended  
18 indefinitely or terminated.

19           And that concludes the description of the  
20 safety review. I will turn it over to Carmen Fells  
21 for the environmental portion.

22           MS. FELLS: Thank you, Brian. Good  
23 evening to everyone. My name is Carmen Fells. And I  
24 will go over the environmental review process.

25           This review is performed in accordance

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1 with the National Environmental Policy Act of 1969,  
2 commonly referred to as NEPA. NEPA established a  
3 national policy for considering the environmental  
4 impacts and provides the basic architecture for  
5 Federal environmental reviews. All federal agencies  
6 must follow a systematic approach in evaluating  
7 potential impacts and also to assess alternatives to  
8 those actions. The NEPA process involves public  
9 participation and public disclosure.

10 The NRC's environmental regulations  
11 implementing the requirement of NEPA are contained in  
12 10 CFR Part 51.

13 Our environmental review considers the  
14 impact of license renewal and any mitigation for those  
15 impacts considered significant. We also consider the  
16 impacts of alternatives to the license renewal,  
17 including the impacts of not issuing a renewed  
18 license. We document the review in an environmental  
19 impact statement which is made publicly available.

20 Ultimately, the purpose of the  
21 environmental review is to determine whether the  
22 environmental impacts of license renewal are  
23 reasonable and, in combination with other reviews, to  
24 make a recommendation to the Commission whether to  
25 renew the license or not.

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1 For a license renewal review, the NRC  
2 environmental staff looks at a wide range of potential  
3 impacts. Additionally, we consult with various  
4 Federal, State, and local officials, as well as  
5 leaders of Indian Nations. Examples include:

6 U.S. Fish and Wildlife Service, Environmental  
7 Protection Agency, Missouri Department of Natural  
8 Resources, Missouri Department of Health and Senior  
9 Services, Missouri Department of Conservation,  
10 Missouri State Historic Preservation Offices, And  
11 Tribal Nations with historic ties to the area around  
12 the plant.

13 We gather pertinent information from these  
14 sources and ensure it is considered in our analysis.

15 The environmental review begins with a  
16 scoping process which is an assessment of the specific  
17 impacts and significant issues that the staff should  
18 consider in preparing the Callaway Environmental  
19 Impact Statement. Currently, this is where we are in  
20 the process. Information that we gather from you  
21 tonight and in the next few weeks will be considered  
22 and included in our Environmental Impact Statement.

23 We've recognized that some impacts are  
24 similar, if not identical, at all nuclear power  
25 plants. So to improve efficiency, we developed a

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1 Generic Environmental Impact Statement that addresses  
2 a number of impacts common to all nuclear power  
3 plants. The staff supplements that Generic EIS with a  
4 site specific EIS in which we will address issues that  
5 are specific to Callaway. The staff also re-examines  
6 the conclusions reached in the Generic EIS to  
7 determine if there is any new and significant  
8 information that would change those conclusions.

9 The scoping period started on February  
10 24th of this year when the Notice of Intent to prepare  
11 an EIS and conduct Scoping was published in the  
12 Federal Register. The NRC will accept comments on the  
13 scope of the environmental review until April 24th of  
14 2012.

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

25 These are just some examples of the input

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1 we seek through the environmental scoping process. We  
2 are not as familiar with your community as you are, so  
3 your comments tonight help to facilitate a thorough  
4 review.

5 Public comments are an important part of  
6 the environmental review process. So how do we use  
7 your comments?

8 All of your comments to us, whether  
9 provided verbally during this meeting or in a written  
10 letter, fax, or email, are considered and addressed.  
11 We respond to each comment as part of the  
12 environmental review. The EIS is one of the factors,  
13 as well as the several others shown here on this  
14 slide, that influence the Commission's decision to  
15 renew the license or not.

16 In addition to providing verbal and  
17 written comments at this meeting, there are other ways  
18 you can submit comments. You can submit comments  
19 online using the Federal rulemaking website, at the  
20 Regulations.gov website. You can enter the ID NRC-  
21 2012-0001. This will give you a list of Federal  
22 Register notices. There is an icon on the right hand  
23 side to submit a comment.

24 You can fax your comments to the number  
25 above. Please reference Callaway license renewal.

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1 Please note that comments will not be edited to remove  
2 any identifying or contact information. Do not  
3 include any information or comments that you do not  
4 want publicly disclosed.

5 As I mentioned the deadline for comments  
6 is April 24th, 2012. You can provide written comments  
7 by mail to the Chief of Rules, Announcements, and  
8 Directives Branch at the addresses provided on this  
9 slide.

10 Finally, if you happen to be traveling to  
11 the D.C. area, you can provide written comments in  
12 person during business hours.

13 This slide shows important milestones for  
14 the environmental review process. As Brian stated,  
15 these dates are subject to change based on the  
16 progress of the review.

17 The opportunity to submit contentions for  
18 a hearing closes on April 24th, 2012. And the  
19 opportunity to submit environmental comments also  
20 closes on April 24th.

21 Please note that a draft Environmental  
22 Impact Statement is scheduled to be issued for public  
23 comment in February of 2013 with associated public  
24 meetings, such as the ones that we had today, to  
25 receive your comments on this preliminary document.

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1 Brian and I are the primary points of  
2 contact at the NRC for license renewal issues for  
3 Callaway. Our contact information is provided on this  
4 slide and also in the handout.

5 Hardcopies of the license renewal  
6 application and environmental report may be found at  
7 the Callaway County Public Library.

8 The draft Supplemental Environmental  
9 Impact Statement will also be available at this  
10 library when it is published for comment.

11 These documents will also be on the NRC's  
12 website at the web address shown on this slide.

13 As you came in, you were asked to fill out  
14 a registration card at our reception table. If you've  
15 included your address on that card, we will mail you a  
16 CD copy of the draft and final EIS.

17 This concludes my presentation.

18 MS. SALTER: Thank you, Carmen.

19 All right, so as I indicated before, the  
20 public comment period, NRC is in a listening mode. So  
21 before we go into the comment period, we're going to  
22 take a brief period of time just to give you an  
23 opportunity to ask NRC staff any questions on the  
24 presentations that you've heard or any questions on  
25 the license renewal process in general.

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1           So if you have a question, you can raise  
2 your hand and I'll bring the microphone to you.

3           All right, a gentleman in the back.

4           Please start by introducing yourself.

5           MR. WISE: My name is Frank Wise of the  
6 city of Jefferson. I'm just curious if the waste  
7 storage situation will have any effect on the license  
8 renewal. I hear that the federal government has not  
9 yet achieved a permanent waste storage. How will that  
10 affect the renewal?

11          MS. SALTER: Brian, you going to talk  
12 about that?

13          MR. HARRIS: The waste storage, that's a  
14 separate regulatory process in another office within  
15 the NRC. So we focus specifically on the license  
16 renewal process. We are aware that's managed another  
17 office within the agency.

18          MS. SALTER: Is that something you will  
19 take into consideration in the license renewal or  
20 there's another process?

21          MR. HARRIS: That's another process in  
22 which they'll handle your question.

23          MS. SALTER: Dennis.

24          MR. MOREY: I just want to clarify on  
25 that, the waste storage issue. That what we're doing

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1 in the license renewal is we're amending the Part 50  
2 license. Operating -- the reactor is operated under  
3 the Part 50 license, which we're mandated to extend it  
4 out to 60 years. The waste storage issue, that's a  
5 completely different license. I think it's under a  
6 different -- it's like license under Part 71 or  
7 something, part of the regulations. And so that is a  
8 completely separate matter that'll be handled by --  
9 under that license.

10 MS. SALTER: Do you have a question here?

11 MS. DANAKER: I'm Erin Danaker, and I have  
12 a question regarding the public comment. I really  
13 appreciate that you hold these hearings and that you  
14 invite comment and that you enable us to make comments  
15 on the website, etcetera.

16 My question for you is one of the things  
17 that we've learned from Fukushima is that the  
18 inappropriately intimate relationship between industry  
19 and government oversight and even academic input on  
20 safety requirements for that plant was a factor in the  
21 accident and the terrible meltdown that occurred  
22 there. My question for you is how do you notify area  
23 residents about hearings like this in order for us and  
24 the website capability for us to offer comments.

25 When I looked at the sign-up sheet when I

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1 came in, I was the first person who was not affiliated  
2 with Ameren to sign in. So it seems like industry  
3 knew about this better than myself. I heard about it  
4 on the radio at 5:30 p.m. So I'd like to know how the  
5 NRC notifies residents who live within the area of  
6 these plants.

7 MS. SALTER: Thank you. Carmen can you  
8 talk a little bit about the outreach? I can tell you  
9 we had another meeting earlier and we had a pretty  
10 large group there. So I would just offer that.

11 MS. FELLO: I want to reiterate the fact  
12 that we did have another meeting earlier today at 2:00  
13 o'clock where we had other members of the public here  
14 at that meeting.

15 But we have several ways of notifying the  
16 public of the meetings. We put the meeting notice out  
17 in the local newspapers. This meeting was broadcasted  
18 on a local news channel and also on a local channel on  
19 the web. We also have Federal Register notices that  
20 we put out, the public can go and access those Federal  
21 Register notices. And those notices notify the public  
22 of the hearing period, the opportunity to request a  
23 hearing, and also the opportunity to submit comments.  
24 I heard you mention the hearing period in there as  
25 well. And that period ends on April 24th.

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1 MS. SALTER: So at the end of the meeting  
2 you will have a feedback forum. If you have other  
3 ideas of how the NRC could do that, we would be more  
4 than happy to collect those comments and suggestions.

5 MR. HOLCROFT: Can I speak real quick,  
6 Susan?

7 MS. SALTER: Please come up to the  
8 microphone.

9 MR. HOLCROFT: For anyone who has an email  
10 address or access to the internet, we do have a list  
11 serve. You could go on the NRC website and there's a  
12 public participation link that'll take you to that.  
13 You can check a box and give your email address if  
14 you're okay with doing that. And any documents, any  
15 public documents that the NRC issues regarding  
16 Callaway, you will get that email which includes --  
17 I'm on that list.

18 I went through that exact same process as  
19 a resident because sometimes things fall through the  
20 crack and we don't get notified. So I receive every  
21 email which includes the notice for this meeting.

22 And if you'd like, you can come and see me  
23 afterwards and I can show you how to get to that site,  
24 any of them for that matter.

25 MS. SALTER: Okay, any other questions on

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1 the license renewal process, the presentations? Going  
2 once, twice, three times.

3 Okay, so what we're going to do now is  
4 move into the comment period. I do have just a couple  
5 of speakers that signed up. Again if you would like  
6 to speak, please get a yellow card from Dawn and fill  
7 it out and give it back to her and we'll get you on  
8 the list of speakers.

9 The first person I'd like to invite up is  
10 LeRoy Benton, who is the Mayor of the city of Fulton.  
11 And we will begin with his comments.

12 And I would ask everyone please to  
13 introduce yourself when you come up to the mike and if  
14 you're affiliated with any organization, please state  
15 that also.

16 MR. BENTON: Thank you for the opportunity  
17 to voice my opinion this evening. I'm LeRoy Benton.  
18 I've been a resident of the city of Fulton since 1981.  
19 And I moved here about the time that the Ameren UE  
20 plant was originally built. Ameren has been and  
21 continues to be an excellent corporate neighbor.

22 I am the Mayor of Fulton, but I'm not  
23 addressing you in that capacity as the City Council  
24 has not formally endorsed this license renewal as of  
25 this date. However, I'm very confident in saying that

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1 I'm sure that the endorsement will happen in the very  
2 near future.

3 Ameren's safety record has been an  
4 excellent one. And I know that safety is of the  
5 highest priority at the plant just through my dealings  
6 and associations with the Ameren personnel throughout  
7 the community. I endorse their request for license  
8 renewal of the current facility and encourage a  
9 positive response to their request.

10 Ameren's energy campus is a vital part of  
11 Callaway County's and the state of Missouri's economy.  
12 As the Environmental Protection Agency regulations to  
13 continue to make coal fired plants cost prohibitive to  
14 operate, nuclear plants such as the one here at  
15 Callaway will be of vital importance to the  
16 availability and reliability of electricity to the  
17 Midwest of the state of Missouri. And of course  
18 without adequate economical supply of electric energy,  
19 our national and regional economies will be extremely  
20 negatively impacted.

21 Again, thank you for your time. And again  
22 I endorse the Ameren's request for a license renewal.  
23 Thank you.

24 MS. SALTER: Thank you, Mr. Benton.

25 We now invite Doc Kritzer to come up.

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1 He's a County Commissioner for Callaway County.

2 MR. FRITZER: Good evening. It's Fritzer,  
3 but I've been called a lot worse. I hadn't really  
4 intended or planned to address the group tonight.  
5 I've been out of town today and our Presiding  
6 Commissioner came over this afternoon's meeting. And  
7 I made a few notes when I found out he had already  
8 addressed it. I understand you all had good  
9 attendance, so that was good.

10 On behalf of the County Commission, our  
11 structure in Missouri -- I don't know if -- some of  
12 different states are all different on it. But we have  
13 three County Commissioners in each one of our  
14 counties. And Missouri has 114 counties. I also  
15 happen to be the President of the County  
16 Commissioner's Association for the state of Missouri.

17 I was in South Missouri earlier today for  
18 a meeting down there with a regional group of the  
19 commissioners. And one of the questions they asked  
20 about was the status of the current Ameren plant and  
21 what's going to happen with Unit 2. And I know this  
22 isn't a discussion for Unit 2. But everyone is very  
23 supportive of that, too, for the record.

24 Ameren has been a very good partner in the  
25 community as LeRoy identified as a resident of

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1 Callaway County since a few years ago. Back in the  
2 '50s, I moved here was to -- and ever since they  
3 started buying up the property to build the original  
4 plant with a lot of speculation on what's going to  
5 happen. But the fact that it's been in operation for  
6 over 25 years, we haven't turned green yet. I think  
7 everybody has finally accepted the fact we do have a  
8 good base load facility here.

9 What's impressed me the most with the  
10 operation down there is that they set high standards  
11 for themselves for safety and operations. And it's  
12 not just standards for this facility, but they want to  
13 be the industry standard. And that's always impressed  
14 me with the management down there.

15 And as we go through our emergency  
16 planning drills, we meet on a regular basis. Every  
17 other year we have a greater drill with the NRC. In  
18 the off year, we still have the drill. And from those  
19 exercises we have a chance to improve upon what we've  
20 learned from the previous exercise. Anything that's  
21 changed during the course of the year that's involved  
22 in the rollover in the personnel down there. So to  
23 keep everybody informed on what's going on and keep in  
24 touch on it. But I think those have been very  
25 beneficial.

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1           One of the best benefits I think we've  
2 seen from Callaway County is that an Emergency  
3 Preparedness that has made this county so much further  
4 ahead of other counties for natural disasters. And  
5 the advantage we've seen is that although most of our  
6 drills for probably 20 years were all focused on what  
7 would happen if there was an emergency at the Ameren  
8 plant, we've got the same partners and players with  
9 the ambulance, with the law enforcement, with the  
10 Sheriff's Department, with the ambulances. And it's  
11 given us an opportunity to be ready for tornados,  
12 other storms, any type of natural disaster.

13           And over the last couple of years, other  
14 counties have started trying to prepare for disasters.  
15 Joplin is a perfect example. Even at Branson in the  
16 past year. We are so much further ahead in this  
17 county than some of the other counties because of  
18 Ameren being located in Callaway County. So we're  
19 proud of that fact.

20           That's a big factor that we have, that  
21 Fulton and Callaway County have over a lot of other  
22 counties. So for that, I think that's another plus  
23 for Ameren being here.

24           I think I've pretty well covered all the  
25 facts. I've been sitting there trying to scribble a

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1 few notes. But we would be very supportive of the  
2 extension of this facility. A few years ago when they  
3 replaced the turbines in there, we knew they were  
4 going to be asking for an extension of another 20  
5 years. So we're very supportive of that and hope that  
6 takes place.

7 Thank you.

8 MS. SALTER: Thank you.

9 I have one final person that's signed up  
10 to speak. So if you're on the fence, now would be the  
11 time to give Dawn your card.

12 And with that, I'd like to invite our  
13 final commenter at least as of right now. Courtney  
14 Johnson.

15 MS. JOHNSON: Hi, good evening. My name  
16 is Courtney Johnson. And I'm 19 years old. I have  
17 lived in Fulton my entire life. So, you know, I grew  
18 up with a nuclear plant. It's always been right  
19 outside of town and that's just how it's always been  
20 since the time I grew up.

21 My generation sees the nuclear plant as  
22 jobs and opportunity as well as a provider of cost-  
23 effective, safe base load energy for our community.  
24 Many of my friends' parents work for the plant. And  
25 through the years I've heard a lot of very positive

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1 comments about it from them.

2 Based on growing up here and seeing the  
3 professional career opportunities that Ameren  
4 provides, I decided many years ago that I would pursue  
5 a college degree that would make myself marketable to  
6 Ameren. I'm a student at Iowa State University  
7 studying chemical engineering and considering a minor  
8 in nuclear engineering. I can think of no better  
9 career than to be a chemical or nuclear engineer at  
10 the Callaway Nuclear Plant.

11 The extension being proposed at this  
12 hearing would provide me and those that came before me  
13 and those that will come after me job opportunities  
14 and clean, safe, reliable energy for many years to  
15 come. And I'd like to encourage the NRC to approve  
16 this license extension.

17 MS. SALTER: Thank you.

18 So with that, that was the last person  
19 that signed up. And I don't see Dawn with any other  
20 yellow cards. I'll give you one final chance before  
21 we move to close the meeting.

22 Okay, well, with that I'd like to thank  
23 everyone for coming and before I turn it over to  
24 Dennis for some final comments, a couple of quick  
25 things. We do have the evaluation forms in the back.

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1 And we ask that you take some time to fill them out.  
2 You can drop them off here or you can take them with  
3 you. They're postage paid.

4 Information about the process, the  
5 facility that we've chosen, the outreach that's been  
6 done, if there are better ways to reach members of  
7 your community, the NRC welcomes that information,  
8 needs that information, so at future public meetings  
9 we can get the word out little better. So please take  
10 some time to do that.

11 I want to thank the city of Fulton for the  
12 use of the facility and for all the help that they  
13 provided with us today. They've been wonderful  
14 helping us out in lots of different ways. So we  
15 appreciate that.

16 And with that, I'm going to turn it over  
17 to Dennis to give some closing remarks and close the  
18 meeting.

19 MR. MOREY: All right, well, thank you for  
20 your attendance tonight. Your participation in the  
21 process is very important. The Commission is  
22 committed to openness and that's why we conduct the  
23 meetings the way we do. So I want to say thank you.  
24 So we'll close this meeting.

25 (Whereupon, the evening session was

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1 concluded at 7:45 p.m.)

2

3

4

5

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- Letter from Social Security Administration
- Military ID
- Medicaid or Medicare card

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- Drivers license
- Utility bill
- Bank or credit union statement
- Canceled check
- Signed homeless shelter letter
- Stamped post office box receipt
- Medicaid or Medicare card

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First Name

\_\_\_\_\_  
Last Name

\_\_\_\_\_  
Middle Initial

\_\_\_\_\_  
Suffix

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Current Address

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City

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State

\_\_\_\_\_  
ZIP Code

\_\_\_\_\_  
Former Address

\_\_\_\_\_  
City

\_\_\_\_\_  
State

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ZIP Code

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\_\_\_\_\_  
Date of Birth (mm/dd/yy)

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\_\_\_\_\_  
Phone Number 2

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Ext.

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**U.S. NRC**

UNITED STATES NUCLEAR REGULATORY COMMISSION

*Protecting People and the Environment*

**Callaway Plant, Unit 1 (Callaway)  
License Renewal Process  
and  
Environmental Scoping Meeting**

**March 14, 2012**

## **Purpose of Today's Meeting**

- Provide overview of license renewal review process
  - Safety review
  - Environmental review
- Receive public input on environmental review



# NRC Regulatory Oversight

- NRC's Governing Statutes
  - Atomic Energy Act
  - National Environmental Policy Act (NEPA)
  
- NRC's Mission
  - Protect Public Health and Safety
  - Promote Common Defense and Security
  - Protect Environment



# Ongoing Regulatory Oversight

- Current Safety Performance  
<http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/index.html>
- Emergency Planning
- Security



# NRC Response to Fukushima

- The NRC's response to Fukushima is as a current operating issue
- Increased inspections at operating facilities
- NRC Near-Term Task Force issued its report July of 2011
  - Continued operations and continued licensing activities do not pose an imminent risk to public health and safety
- The staff has prioritized the recommendations and identified additional ones
- The NRC plans to issue initial Orders and Request for Information (50.54(f) letters) this month
- More information:
  - <http://www.nrc.gov/japan/japan-info.html>



## Callaway License Renewal Review

- License renewal application received on December 19, 2011

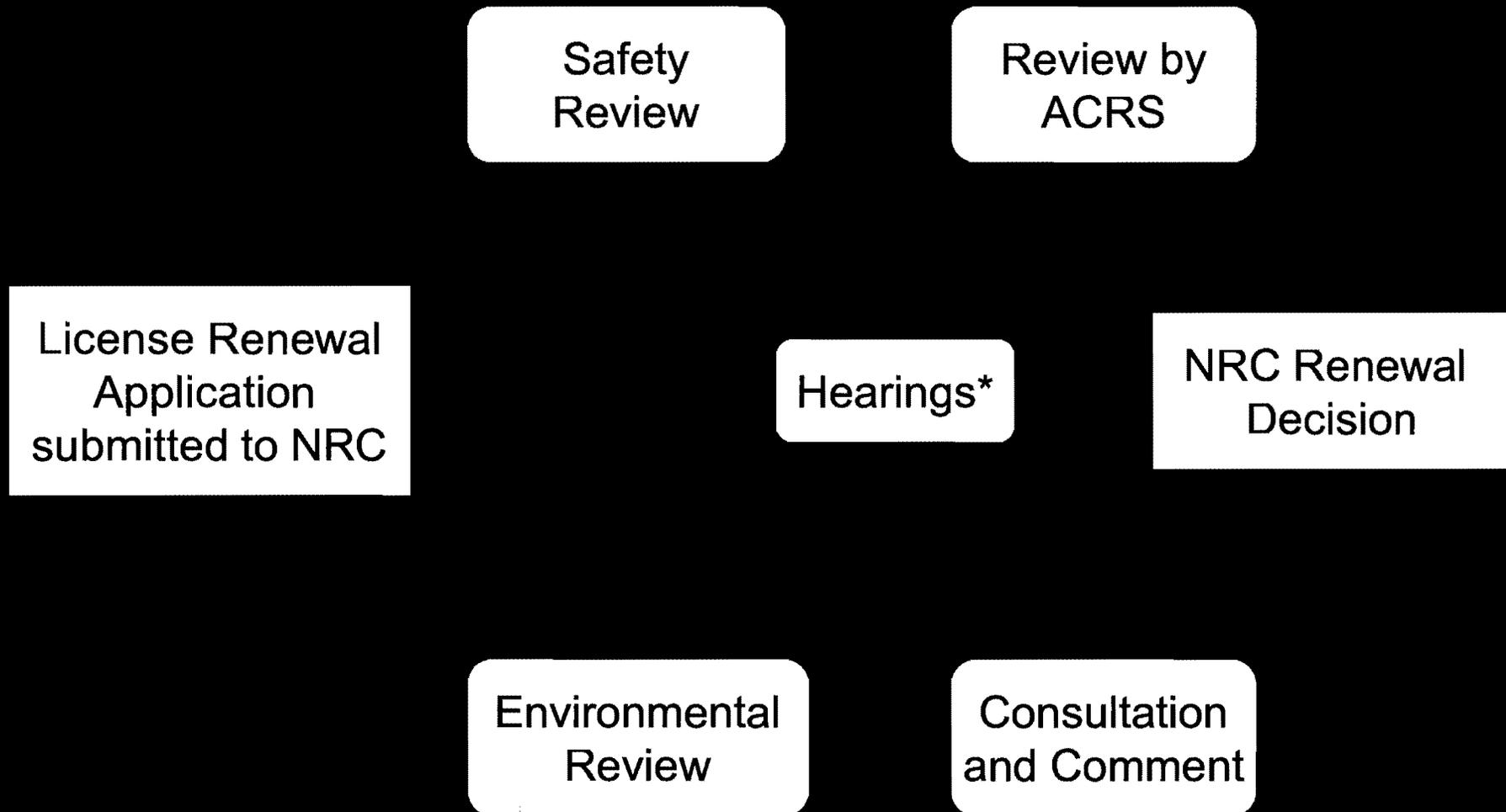
The license expires on October 18, 2024

# Docketing and Sufficiency of Application

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



# License Renewal Process



\* If a Request for Hearing is Granted



# License Renewal Safety Principles

- The ongoing regulatory process is adequate to ensure the safety of all currently operating plants
- The same plant operating rules apply during the renewal term
  - NRC applies additional conditions for aging management

## Safety Review Focus

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



# Safety Review Process

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



# Safety Review Milestones (tentative)

Application Received

December 19, 2011

Notice of Opportunity for Hearing

February 24, 2012

Notice of Intent for Scoping

February 24, 2012

**Environmental Scoping Meeting**

**March 14, 2012**

SER with Open House

April 2012

ACRS SER Committee Meeting

May 2012

Final SER Report

September 2012

ACRS Full Committee Meeting

October 2012

Commission Decision (without hearing)

December 2012



## Environmental Review (10 CFR Part 51)

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



# Environmental Impact Statement

## Staff Evaluates Impacts to Resources

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





## Environmental Review (10 CFR Part 51)

### Scoping Process

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



## Scoping and Public Involvement

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





## How to Submit Comments on the Environmental Review

✓ **Online** at <http://www.regulations.gov>

Enter ID : **NRC-2012-0001**

✓ **By fax** (reference Callaway license renewal):  
at 301-492-3446

Comments will not be edited to remove identifying information



## How to Submit Comments on the Environmental Review

- ✓ **By mail** (please reference Callaway license renewal):  
  
Ms. Cindy Bladley  
Chief, Rules, Announcements, and Directives Branch  
Office of Administration, Mail stop: TWB-05-B01M  
US Nuclear Regulatory Commission  
Washington, DC 20555-0001
- ✓ **In person** at NRC Headquarters



# Environmental Review Milestones (tentative)

Application Received  
Notice of Opportunity for Hearing  
Notice of Intent for Scoping  
**Environmental Scoping Meeting**

December 19, 2011  
February 24, 2012  
February 24, 2012  
**March 14, 2012**



## Project Manager Information

**Carmen Fells**

(800) 368-5642 ext. 6337

[Carmen.Fells@nrc.gov](mailto:Carmen.Fells@nrc.gov)

**Brian Harris**

(800) 368-5642 ext. 2277

[Brian.Harris2@nrc.gov](mailto:Brian.Harris2@nrc.gov)



## Where to view documents

Documents located at:

- Callaway County Public Library  
710 Court Street  
Fulton, Missouri 65251

Documents can be viewed on the NRC's Web site:  
[www.nrc.gov/reactors/operating/licensing/renewal/applications/  
callaway.html](http://www.nrc.gov/reactors/operating/licensing/renewal/applications/callaway.html)

April 11, 2012

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

FROM: Carmen Fells, Environmental Project Manager /RA/  
Projects Branch 2  
Division of License Renewal  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF PUBLIC SCOPING MEETINGS CONDUCTED RELATED TO  
THE REVIEW OF THE CALLAWAY PLANT, UNIT 1,  
LICENSE RENEWAL APPLICATION

The U.S. Nuclear Regulatory Commission (NRC) staff conducted environmental scoping meetings related to the review of the Callaway Plant, Unit 1 (Callaway), license renewal applications submitted by Union Electric Company, a subsidiary of Ameren Corporation and doing business as Ameren Missouri (Ameren). Two public meetings were conducted on March 14, 2012, at the Fulton City Hall Council Chambers in Fulton, MO. Approximately 50 people attended the meetings. The attendees included members of the NRC staff, members of the public, representatives from Ameren, news media, and local and State government officials. Public comments and questions expressed ideas related to both the benefits of license renewal and nuclear power and the disadvantages of the same. Concerns were mainly based on applying lessons learned from the accident at Fukushima, permanent waste storage, and the license renewal process.

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

Docket No. 50-483

Enclosures:

As stated

cc w/encls: Listserv

CONTACT: Carmen Fells

(301) 415-6337

ADAMS Accession Nos.

1. Meeting Summary (w /Encls. 1 & 2): **ML12089A099**
2. Encl. 3: Afternoon Transcript (Corrected): **ML12095A400**
3. Encl. 4: Evening Transcript (Corrected): **ML12096A386**
4. Encl. 5: Slides: **ML12096A394**
5. Package: **ML12096A400**

\*Concurred via email

OFFICE	LA:DLR*	PM:DLR:RPB2	BC:DLR:RPB2
NAME	IKing	CFells	DWrona
DATE	4/10/12	4/10/12	4/11/12

OFFICIAL RECORD COPY

Memorandum to D. Wrona, from C. Fells dated April 11, 2012

SUBJECT: SUMMARY OF PUBLIC SCOPING MEETINGS CONDUCTED RELATED TO THE  
REVIEW OF THE CALLAWAY PLANT, UNIT 1, LICENSE RENEWAL  
APPLICATION

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BHarris

CFells

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SSalter

MSpencer, OGC

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VDricks, RIV