

DOCKETED

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| Project Title: | Nuclear |
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| Document Title: | Notice of Modification: Request for Data Related to California's Nuclear Power Plants to SCE |
| Description: | 7.1.16 Letter to Catherine E. Hackney, Director Regulatory Affairs of Southern California Edison from CEC |
| Filer: | Raquel Kravitz |
| Organization: | California Energy Commission |
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CALIFORNIA ENERGY COMMISSION

1516 Ninth Street
Sacramento, California 95814

Main website: www.energy.ca.gov



July 1, 2016

Catherine E. Hackney, Director Regulatory Affairs
Southern California Edison
1201 K Street, Suite 1810
Sacramento, CA 95814

RE: NOTICE OF MODIFICATION: REQUEST FOR DATA RELATED TO
CALIFORNIA'S NUCLEAR POWER PLANTS

Dear Director Hackney:

In response to the recent announcement by Pacific Gas and Electric Company (PG&E) concerning the relicensing of the Diablo Canyon Power Plant, the California Energy Commission has canceled the *2016 Integrated Energy Policy Report Update (2016 IEPR Update)* Nuclear Workshop scheduled for July 18, 2016. The recent announcement of the Diablo Canyon settlement agreement currently under review and the approval of the land lease by the California State Lands Commission have caused the Energy Commission to shift the current focus from the status of the Diablo Canyon Power Plant relicensing to spent nuclear fuel management and facility decommissioning. The data from this modified request will be used to assist in preparing the *2016 IEPR Update* and the *Environmental Performance Report (EPR)*. The *EPR* is a supporting document to the *IEPR* that reviews the environmental performance of the electric generation system. The tentative date of the EPR Workshop is August 4, 2016.

Commissioner Karen Douglas and Chair Robert B. Weisenmiller are requesting that PG&E and Southern California Edison Company (SCE) provide the requested data related to the Diablo Canyon Power Plant (Diablo Canyon) and the San Onofre Nuclear Generating Station (San Onofre), as specified in the modified Attachment A. This request is consistent with the shift in current focus to spent nuclear fuel management and facility decommissioning. In recognition of the potential impact this may have on the original schedule, the Energy Commission has extended the delivery deadline for the requested information. We hope this additional time will allow for a more thorough submittal. **The new deadline for PG&E and SCE to submit the requested information is July 20, 2016.**

Catherine E. Hackney, Director Regulatory Affairs
Southern California Edison
July 1, 2016
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Any questions about the request should be directed to Heather Raitt at heather.raitt@energy.ca.gov or (916) 654-4735 or to Justin Cochran at justin.cochran@energy.ca.gov or at (916) 657-4353.

Sincerely,



KAREN DOUGLAS
Lead Commissioner
2016 Integrated Energy Policy Report Update



ROBERT B. WEISENMILLER
Chair and State Liaison Officer to the
Nuclear Regulatory Commission

Attachment

ATTACHMENT A

Section 1: Filing Instructions

The general instructions for responding to these data requests are provided below:

Each section and/or question identifies the specific nuclear power plant associated with the section's/question's data requests. We encourage Southern California Edison Company (SCE) to coordinate responses with its co-owners for San Onofre Nuclear Generating Station (San Onofre)-related data requests.

If the respondent believes certain data or information is confidential or not intended to be released publicly, the respondent should provide a specific rationale for claiming confidentiality (please see below). Further, the respondent shall provide a reference to specific federal or state laws or regulations that provide the confidentiality treatment sought by the respondent.

Unless otherwise specified, the period for which data and documents are requested is **2015 through the most recent date in 2016 that information is available**.

The requested information should be provided in digital/electronic format such as CD/DVD-ROM, Portable Document Format (PDF) files, Excel spreadsheets, or similar formats.

Links (URLs) to specific documents on websites are also acceptable. However, a URL link should be verified as working and must point to the specific document and not be general (for example, a general link to [www.nrc.gov] is not acceptable).

When to File

The Energy Commission requests that Pacific Gas and Electric (PG&E) and SCE provide the Energy Commission the information, as described below, on or before **July 20, 2016**. At a later date, the *2016 IEPR Update* Lead Commissioner, Commissioner Karen Douglas, may direct that additional data be filed to assess particular issues or policy proposals.

Who Must File

California utilities owning and/or operating the Diablo Canyon and San Onofre facilities are requested to file information as indicated below.¹ Please note: where the information

¹ Information is being requested of Southern California Edison Company since they are the majority owner and primary agent responsible for decommissioning activities but all owners are responsible for ensuring the transfer of information.

is available through another forum, utilities are asked to identify a web link and a contact person (name, phone number, and e-mail address).

What Must be Filed

For all filings, parties are requested to submit the following:

- A brief cover letter, addressed to the Energy Commission's Docket Office and including "Docket 16-IEPR-07 – Nuclear";
- A compact disc containing all requested data; or
- A paper copy of requested data if not available in electronic format.

How to File

For the 2016 *IEPR Update*, the Energy Commission is using an electronic commenting system. Visit the Energy Commission's website at http://www.energy.ca.gov/2016_energypolicy/ and click on the "**Submit e-Comment**" link in the "Proceeding Information" box. From the drop down menu, please select the appropriate docket number. For this workshop, please select docket **16-IEPR-07 – Nuclear**.

This will take you to the page for adding comments to that docket. Please enter your contact information and comment title. **Under "subject(s)," select "IEPR 2016-07-18" and "IEPR General Information."** You may include comments in the box titled "Comment Text" or attach a file. The attached response to the data request must be in a Microsoft® Word (.doc, .docx) or Adobe® Acrobat® (.pdf) formatted file.

The Energy Commission encourages use of its electronic commenting system, but filings may also be submitted by e-mailing them to the Dockets Office, or by U.S. Mail to:

California Energy Commission
Docket Office, MS-4
Attention: **Docket 16-IEPR-07**
1516 Ninth Street,
Sacramento, CA 95814-5512

If you choose not to use the electronic filing system, please include the appropriate docket number on any e-mailed or written submittals. Filings may be e-mailed to docket@energy.ca.gov with a copy to the technical lead, Justin Cochran, by e-mail at Justin.Cochran@energy.ca.gov.

Please note that your electronic, e-mailed, written and oral comments, attachments, and associated contact information (for example, address, phone, and e-mail) become part

of the viewable public record. Additionally, this information may become available via Google, Yahoo, and other search engines.

Data that is submitted with an Application for Confidential Designation must be sent to the Executive Director of the Energy Commission rather than to the Docket Office, as explained in the next section.

How to Apply for Confidential Designation of Submitted Data

If you believe that any portion of the data to be submitted is entitled to confidential designation under the California Public Records Act (Gov. Code section 6250 et seq.), you may file an application for confidential designation by following the procedures contained in Title 20, California Code of Regulations, section 2505, subd. (a). Please note that the material that is the subject of the request must be included with your application. Questions about the confidentiality process can be directed to Jared Babula at jared.babula@energy.ca.gov or (916) 651-1462.

Section 2: Nuclear Power Plant Data Request for Diablo Canyon Power Plant and San Onofre Nuclear Generating Station

Progress in On-site Management of Spent Nuclear Fuel

A. Nuclear Waste Accumulation

As follow-up to the 2013 and 2015 *IEPR* recommendations, the Energy Commission is requesting information from PG&E and SCE that pertain to the current status of onsite storage and disposal of low-level waste and spent nuclear fuel and their plans for plant decommissioning.

1. Please provide the most recent disposal plans and disposal cost assessments for low-level waste (categorized as Class A, B, C, or Greater-than Class-C) and spent nuclear fuel storage completed to satisfy this request.
2. Please provide a table of waste generated, including number of spent fuel assemblies; metric tons of uranium; and volumes of low level waste (Class A-C & GTCC). This information should be categorized in a table by quantity generated through 2015, quantity expected at the end of license, and quantity expected during decommissioning.

B. Spent Fuel Pool and Independent Spent Fuel Storage Installation

1. Please provide a progress report on the transfer of spent fuel from pools into dry casks (in compliance with NRC spent fuel cask and pool storage requirements).
2. Please provide an updated evaluation of the potential long-term impacts and projected costs of spent fuel storage in pools versus dry cask storage of higher burn-up fuels in densely packed pools, and the potential degradation of fuels and package integrity during long-term wet and dry storage and transportation offsite.
3. Please provide information on the developments of facility specific aging cask management programs onsite and within the nuclear engineering community, and any related technological considerations.
4. Please provide updated tables on the status of spent nuclear fuel and current onsite storage capacity and a table summarizing the current spent fuel conditions including radiation levels. Tables on the current Independent Spent Fuel Storage Installation (ISFSI) should contain information on capacity, planned expansions and timetables, planned loading configurations and associated thermal loads, and estimated thermal loads of the current ISFSI multi-purpose canisters.
5. **[Diablo Canyon Specific Item]** Alternative spent fuel management schemes to expeditiously transfer spent nuclear fuel assemblies from the wet spent fuel pool to dry casks in the ISFSI. PG&E alternate plans, if any, to isolate the spent fuel pool to eliminate the need for using Pacific Ocean seawater for cooling the spent fuel pool system. Information demonstrating sufficient space for all spent fuel (fuel consumed if Diablo Canyon was relicensed) to be kept on site in the ISFSI and also all assessments of the lifetime of the dry casks.

Progress in Completing 2013 – 2015 IEPR Recommendations

A. Decommissioning Status of the San Onofre Nuclear Generating Station

Please provide an update to the Energy Commission on the decommissioning status of the San Onofre facility. The decommissioning update should include information on the current terms of the Navy lease, as well as any planning pertaining to the funding and maintenance of the ISFSI if on-site storage must be continued beyond 2029.