

DOCKETED

Docket Number:	17-IEPR-01
Project Title:	General/Scope
TN #:	217775
Document Title:	Request for Data Related to California's Nuclear Power Plants
Description:	N/A
Filer:	Stephanie Bailey
Organization:	Chair Weisenmiller
Submitter Role:	Commission Staff
Submission Date:	5/31/2017 11:42:03 AM
Docketed Date:	5/31/2017

In the matter of:) Docket No. 17-IEPR-01
)
Preparing the 2017 Integrated Energy) LEAD COMMISSIONER DATA REQUEST
Policy Report (IEPR))
_____) RE: Nuclear Power Plant-Related Data

REQUEST FOR DATA RELATED TO CALIFORNIA'S NUCLEAR POWER PLANTS

As part of the California Energy Commission's *2017 Integrated Energy Policy Report (2017 IEPR)* proceeding, the IEPR Lead Commissioner is requesting that Pacific Gas and Electric Company (PG&E) provide data related to the Diablo Canyon Power Plant (Diablo Canyon), as specified in Attachment A. **The deadline for utilities to submit the requested information is July 12, 2017.**

Public Resources Code (PRC) section 25301 directs the Energy Commission to assess and forecast all aspects of energy demand and supply within the state in odd-numbered years. These assessments and forecasts serve as the foundation for developing energy analyses and providing policy recommendations to the Governor, Legislature, and other agencies. The broad strategic purposes of these policies are to conserve resources, protect the environment, ensure energy reliability, enhance the state economy, and protect public health and safety. PRC section 25302(d) directs the Energy Commission to update the IEPR assessments in even-numbered years.

To perform these assessments and forecasts, the Energy Commission may request submission of data from electric and natural gas utilities and other market participants. On March 8, 2017, the Energy Commission issued an Order Instituting Informational Proceeding to gather and assess information to assist in preparing the *2017 IEPR*. That Order was adopted to ensure that the lead commissioner, Chair Robert B. Weisenmiller, can collect the information needed to complete the *2017 IEPR*.

Background

The Energy Commission has conducted a number of assessments concerning nuclear power in California. In 2008, the Energy Commission adopted *An Assessment of California's Nuclear Power Plants: AB 1632 Report*, as required by Assembly Bill 1632 (Blakeslee, Statutes of 2006, Chapter 722, § 1) and codified in PRC section 25303(c). The report made recommendations on nuclear-related efforts for the *2009 IEPR*. In 2009, the Energy Commission recommended that PG&E and Southern California Edison (SCE) complete studies recommended in *AB 1632 Report* and make findings available to the Energy Commission, the California Public Utilities Commission, and the Nuclear Regulatory Commission as part of license renewal applications. In the *2011 IEPR*, the Energy Commission provided a status report on the utilities' progress on the *AB 1632 Report* recommendations and discussed streamlining and improving power plant licensing processes as well as safety and reliability issues associated with the

nuclear power plants. The *2013 IEPR* also addressed nuclear issues in depth, including the status of the San Onofre Nuclear Generating Station (San Onofre), safety and reliability issues, emergency response planning, and nuclear waste transport, storage, and disposal. The *2015 IEPR* updated the discussions contained in the *2013 IEPR*. The *2016 IEPR Update* reviewed the status of spent fuel at Diablo Canyon and San Onofre as well as the general status of nuclear waste storage.

Need for Nuclear Data

The Scoping Order for the *2017 IEPR* identifies the need to analyze issues related to the status of spent nuclear fuel storage and transfer into dry casks. As a result, the Energy Commission will be examining the status of spent nuclear fuel stored at Diablo Canyon which is owned and operated by PG&E. To complete these analyses, current information about nuclear fuel and nuclear waste storage transfer rates, as well as financial information is needed. The Energy Commission is therefore requesting that PG&E provide the data identified in Appendix A.

Any questions about this data request should be directed to Heather Raitt, the IEPR program manager, at heather.raitt@energy.ca.gov or (916) 654-4735 or to Justin Cochran, the technical lead, at justin.cochran@energy.ca.gov or at (916) 657-4353.

Date: May 31, 2017



ROBERT B. WEISENMILLER
Chair and Lead Commissioner
2017 Integrated Energy Policy Report

Electronic Mail Lists: Energypolicy

ATTACHMENT A

Section 1: Filing Instructions

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

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 2017 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) provide the Energy Commission the information, as described below, on or before **July 12, 2017**. At a later date, the *2017 IEPR* Lead Commissioner, Chair Robert B. Weisenmiller, 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 facility are requested to file information as indicated below. Please note: where the 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 17-IEPR-01";

- 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 2017 IEPR, the Energy Commission is using an electronic commenting system. Visit the Energy Commission's website at http://www.energy.ca.gov/2017_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 request, please select docket **17-IEPR-01 – General/Scope**.

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 Nuclear Data Request."** 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 17-IEPR-01**
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: Spent Nuclear Fuel Status Data Request for Diablo Canyon Power Plant

Progress in On-site Management of Spent Nuclear Fuel

A. 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). Please include details on the 2016 transfer campaign: UFO6, moving 12 casks during 8/8/2016 to 11/6/2016 operating window.
2. 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 surface radiation levels and temperature. Tables on the current independent spent fuel storage installation (ISFSI) should contain information on capacity, planned expansions and timetables, existing and planned loading configurations, and surface conditions of the current ISFSI multi-purpose canisters.
3. 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.
4. 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. Also, please provide any DCPMP MPC inspection reports (EPRI 2016 Inspection Report).

5. Please provide a status update on currently mounted HI-STORM casks and their transport readiness under current NRC license requirements.
6. 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.