



APPENDIX A

Public Notices

Notices about the Draft Programmatic EIS

The following Notice of Availability appeared in the Federal Register on April 18, 2014.



ACTION: Notice of availability and public hearings.

SUMMARY: The U.S. Department of Energy (DOE) announces the availability of the *Hawaii Clean Energy Draft Programmatic Environmental Impact Statement* (Hawaii Clean Energy Draft PEIS or Draft PEIS) (DOE/EIS-0459). DOE also announces eight public hearings to receive comments on the Draft PEIS. The Draft PEIS evaluates the potential environmental impacts associated with 31 energy efficiency activities and renewable energy technologies that could assist the State of Hawaii in meeting the goals established under the Hawaii Clean Energy Initiative (HCEI).

DATES: DOE invites comments on the Draft PEIS during a 90-day period, which ends July 17, 2014. Comments submitted after this date will be considered to the extent practicable during preparation of the Hawaii Clean Energy Final PEIS. The Department will hold eight public hearings at the locations, dates, and times listed in **SUPPLEMENTARY INFORMATION** below.

ADDRESSES: Comments on the Draft PEIS may be submitted:

- Orally or in writing at a public hearing.
- By email to

hawaiienergy@ee.doe.gov.

- Through the PEIS Web site at <http://hawaiienergy.com>.

- By mail to Dr. Jane Summerson, Hawaii Clean Energy PEIS Document Manager, DOE NNSA, POB 5400 Bldg 401, KAFB East, Albuquerque, NM 87185.

FOR FURTHER INFORMATION CONTACT: For additional information on the Hawaii Clean Energy Draft PEIS, contact Dr. Jane Summerson at the address above or send an email to

hawaiienergy@ee.doe.gov. For general information regarding the DOE National Environmental Policy Act (NEPA) process, contact: Ms. Carol M. Borgstrom, Director, Office of NEPA Policy and Compliance (GC-54), U.S. Department of Energy, 1000 Independence Ave. SW., Washington, DC 20585, telephone 202-586-4600 or leave a message at 800-472-2756.

SUPPLEMENTARY INFORMATION:

Background

DOE and Hawaii entered into a Memorandum of Understanding (MOU) in January 2008 that established a long-term partnership to assist Hawaii in its efforts to transform the way in which energy efficiency and renewable energy resources are planned and used in the State. The MOU established working

groups to address key sectors of the energy economy (e.g., electricity, end-use efficiency, transportation, and fuels), which led to the establishment of the Hawaii Clean Energy Initiative (HCEI). A goal of the HCEI is to meet 70 percent of Hawaii's energy needs by 2030 through energy efficiency and renewable energy (collectively "clean energy").

PEIS Scoping

On December 14, 2010, DOE issued a notice of intent to prepare a PEIS, with the State of Hawaii as a joint lead, on the wind phase of the Hawaii Interisland Renewable Energy Program (75 FR 77859). In light of scoping comments and regulatory and policy developments, DOE broadened the range of reasonable energy efficiency and renewable energy activities and technologies to be analyzed in the PEIS and issued an amended notice of intent to prepare the Hawaii Clean Energy PEIS (77 FR 47828; August 10, 2012). In preparing the PEIS, DOE considered scoping comments received on the initial and amended notices of intent.

The Hawaii Clean Energy Draft PEIS was prepared with the following cooperating agencies: State of Hawaii (Department of Business, Economic Development and Tourism), U.S. Environmental Protection Agency Region 9, Bureau of Ocean Energy Management, National Park Service, Natural Resources Conservation Service, U.S. Marine Corps, U.S. Navy, and Federal Aviation Administration.

Purpose and Need for Agency Action

The purpose and need for DOE's action is based on the 2008 MOU with the State of Hawaii that established the long-term HCEI partnership. Consistent with this MOU, DOE's purpose and need is to support the State of Hawaii in its efforts to meet 70 percent of the State's energy needs by 2030 through clean energy. DOE's primary purpose in preparing this PEIS is to provide information to the public, Federal and State agencies, and future energy developers on the potential environmental impacts of a wide range of energy efficiency activities and renewable energy technologies that could support the HCEI. This environmental information could be used by decisionmakers, developers, and regulators in determining the best activities and technologies to meet future energy needs. The public could use this PEIS to better understand the types of potential impacts associated with the various technologies.

DEPARTMENT OF ENERGY

Hawaii Clean Energy Draft Programmatic Environmental Impact Statement

AGENCY: U.S. Department of Energy.

Proposed Action

DOE's Proposed Action is to develop guidance that can be used in making decisions to support the State of Hawaii in achieving the HCEI's goals.

For the Hawaii Clean Energy Draft PEIS, DOE and the State of Hawaii identified 31 clean energy technologies and activities associated with potential future actions and grouped them into five clean energy categories:

- Energy efficiency,
- Distributed renewable energy technologies,
- Utility-scale renewable energy technologies,
- Alternative transportation fuels and modes, and
- Electrical transmission and distribution.

For each activity or technology, the Draft PEIS identifies potential impacts to 17 environmental resource areas and potential best management practices that could be used to minimize or prevent those potential environmental impacts.

Document Availability

The Hawaii Clean Energy Draft PEIS is posted at <http://hawaii-cleanenergypeis.com> and <http://energy.gov/nepa/eis-0459-hawaii-clean-energy-programmatic-environmental-impact-statement>. To obtain a compact disk (CD) of the Draft PEIS, contact Dr. Summerson at the address under **ADDRESSES** above, online at <http://hawaii-cleanenergypeis.com>, or by email to hawaii-cleanenergypeis@ee.doe.gov. Printed copies of the complete PEIS are available at:

- Hawaii State Library, 478 South King Street, Honolulu, HI 96813.
- Lanai Public and School Library, 555 Fraser Ave, Lanai City, HI 96763.
- Wailuku Public Library, 251 High Street, Wailuku, HI 96793.
- Molokai Public Library, 15 Ala Malama, Kaunakakai, HI 96748.
- Hilo Public Library, 300 Waianuenue Ave, Hilo, HI 96720.
- Kailua-Kona Public Library, 75–138 Hualalai Road, Kailua-Kona, HI 96740.
- Lihue Public Library, 4344 Hardy Street, Lihue, HI 96766.
- Kaneohe Public Library, 45–829 Kamehameha Highway, Kaneohe, HI 96744.

DOE will provide a printed copy of the Summary or complete Draft PEIS upon request. However, due to the size of the document (approximately 60 pages for the Summary and 1,300 pages for the complete Draft PEIS), DOE recommends that interested parties take advantage of the download or CD options. If a printed copy is required,

contact Dr. Jane Summerson at the address above or by email to hawaii-cleanenergypeis@ee.doe.gov.

Public Hearings

The Department invites interested parties to provide comments on the Draft PEIS at public hearings to be held May 12 through May 22, 2014, at:

- May 12: Kauai, Kauai War Memorial, Convention Hall, 4191 Hardy Street, Lihue, HI 96766.
- May 13: Hawaii, Kealahou High School, 74–5000 Puohulihuli Street, Kailua-Kona, HI 96740.
- May 14: Hawaii, Aunt Sally Kaleohano's Luau Hale, 799 Piilani Street, Hilo, HI 96720.
- May 15: Maui, Pomaikai Elementary School, 4650 South Kamehameha Avenue, Kahului, HI 96732.
- May 19: Molokai, Kaunakakai Elementary School, 30 Ailoo Street, Kaunakakai, HI 96748.
- May 20: Lanai, Lanai High & Elementary School, 555 Fraser Avenue, Lanai City, HI 96763.
- May 21: Oahu, Kawanakoa Middle School, 49 Funchal Street, Honolulu, HI 96813.
- May 22: Oahu, James B. Castle High School, 45–386 Kaneohe Bay Drive, Kaneohe, HI 96744.

Each hearing will begin at 5:00 p.m. and end at 8:30 p.m. Each hearing will start with an open house (5:00–5:45), when Federal and State personnel and their contractors will be available to answer questions in an informal setting. The open house will be followed by a presentation (5:45–6:00) by Dr. Summerson, who will describe the PEIS, the NEPA process, and the methods that can be used to submit comments. During the remainder of the hearing, interested parties may present oral comments to DOE. A court reporter will transcribe the comments presented at each hearing. Individuals wishing to speak at a hearing should register when they arrive. DOE will initially allot three minutes to each commenter to ensure that as many people as possible have the opportunity to speak. More time may be provided, as circumstances permit. Written comments may be submitted at the hearing or by the other methods described in **ADDRESSES** above. DOE will give equal consideration to oral and written comments in preparing the Hawaii Clean Energy Final PEIS.

Issued in Washington, DC, April 14, 2014.

Patricia A. Hoffman,
Assistant Secretary, Office of Electricity
Delivery and Energy Reliability.

[FR Doc. 2014-08848 Filed 4-17-14; 8:45 am]

BILLING CODE 6450-01-P

DEPARTMENT OF ENERGY**Proposed New Program in Stewardship of Accelerator Technologies for Energy and Environmental Applications**

AGENCY: Office of High Energy Physics, Office of Science, Department of Energy.

ACTION: Notice of request for information (RFI).

SUMMARY: The Office of High Energy Physics, as DOE's lead office for long-term accelerator R&D, invites interested parties to provide input on a possible new program to perform R&D leading to advances in particle accelerator technology used in energy and environmental applications.

DATES: Written comments and information are requested on or before May 19, 2014.

ADDRESSES: Interested persons may submit comments by email only. Comments must be sent to EnergyEnvironmentRFI@science.doe.gov with the subject line "Stewardship RFI Comments".

FOR FURTHER INFORMATION CONTACT: Dr. Eric R. Colby, (301)–903–5475, Eric.Colby@science.doe.gov.

SUPPLEMENTARY INFORMATION:**The Challenge**

With world energy consumption predicted to grow by 56% between 2010 and 2040,¹ innovations that reduce pollutants from energy production, improve energy efficiency of industrial processes, and develop cost-effective techniques to clean up water and destroy environmental toxins will become increasingly important both to sustaining economic growth, and to protecting the environment.

Accelerator technologies have been demonstrated to have significant impact in each of these areas,^{2,3,4,5} but have not reached a sufficient level of technical maturity and economy to be widely adopted.

The Response

The U.S. Department of Energy, acting through the Office of High Energy

¹ International Energy Outlook 2013, <http://www.eia.gov/forecasts/ieo/>.

² R. Hamm, M. Hamm, *Industrial Accelerators and Their Applications*, (World Scientific, Singapore: 2012).


³ *Environmental Applications of Ionizing Radiation*, W. Cooper, R. Curry, and K. O'Shea, Editors, (John Wiley & Sons, New York: 1998).

⁴ "Accelerators for America's Future", <http://science.energy.gov/-/media/hep/pdf/accelerator-rd-stewardship/Report.pdf> (2009).

⁵ Office of High Energy Physics Accelerator R&D Task Force Report, May 2012 http://science.energy.gov/-/media/hep/pdf/accelerator-rd-stewardship/Accelerator_Task_Force_Report.pdf.

DOE-Hawaii placed the following advertisement in *The Garden Island* on May 5 and 9, 2014.

U.S. Department of Energy
HAWAI'I CLEAN ENERGY
DRAFT PROGRAMMATIC
ENVIRONMENTAL IMPACT STATEMENT



PUBLIC HEARING
Monday, May 12, 2014
Kaua'i War Memorial • 4191 Hardy Street, Lihue
5:00 pm – 8:30 pm



The U.S. Department of Energy (DOE) invites public comments on the Hawai'i Clean Energy Draft PEIS, in which DOE proposes to develop guidance that can be used in making decisions to support the State of Hawai'i in achieving its goal of 70% clean energy by 2030. The PEIS analyzes, at a programmatic level, the potential environmental impacts of activities in the categories of energy efficiency, distributed renewables, utility-scale renewables, alternative transportation fuels and modes, and electrical transmission and distribution.

DOE is holding a total of eight hearings on six islands from May 12-22, 2014; dates and locations are listed on the Hawaii Clean Energy Website: <http://www.hawaii-clean-energy-peis.com>.

Comments can be submitted through June 17, 2014 via:


- Internet - <http://www.hawaii-clean-energy-peis.com>
- Email - hawaii-clean-energy-peis@ee.doe.gov
- Public hearings being held throughout the Islands
- U.S. mail addressed to: Jane Summerson, U.S. Department of Energy,
P.O. Box 5400, Bldg 401 KAFB East, Albuquerque, NM 87185

The Draft PEIS is available for download from <http://hawaii-clean-energy-peis.com> and <http://energy.gov/NEPA>. Copies are available at area public libraries; see the Draft PEIS Website for locations.



DOE-Hawaii placed the following advertisement in the *West Hawaii Today* on May 6 and 12, 2014.

U.S. Department of Energy
HAWAII CLEAN ENERGY
DRAFT PROGRAMMATIC
ENVIRONMENTAL IMPACT STATEMENT



PUBLIC HEARING
Tuesday, May 13, 2014
Kealakehe High School • 74-5000 Puohuluhuli Street, Kailua-Kona
5:00 pm – 8:30 pm



The U.S. Department of Energy (DOE) invites public comments on the Hawaii Clean Energy Draft PEIS, in which DOE proposes to develop guidance that can be used in making decisions to support the State of Hawaii in achieving its goal of 70% clean energy by 2030. The PEIS analyzes, at a programmatic level, the potential environmental impacts of activities in the categories of energy efficiency, distributed renewables, utility-scale renewables, alternative transportation fuels and modes, and electrical transmission and distribution.

DOE is holding a total of eight hearings on six islands from May 12-22, 2014; dates and locations are listed on the Hawaii Clean Energy Website: <http://www.hawaii-clean-energy-peis.com>.

Comments can be submitted through June 17, 2014 via:


- Internet - <http://www.hawaii-clean-energy-peis.com>
- Email - hawaii-clean-energy-peis@ee.doe.gov
- Public hearings being held throughout the Islands
- U.S. mail addressed to: Jane Summerson, U.S. Department of Energy, P.O. Box 5400, Bldg 401 KAFB East, Albuquerque, NM 87185

The Draft PEIS is available for download from <http://hawaii-clean-energy-peis.com> and <http://energy.gov/NEPA>. Copies are available at area public libraries; see the PEIS Website for locations.



DOE-Hawaii placed the following advertisement in the *Hawaii Tribune Herald* on May 7 and 12, 2014.

U.S. Department of Energy
HAWAI‘I CLEAN ENERGY
DRAFT PROGRAMMATIC
ENVIRONMENTAL IMPACT STATEMENT




PUBLIC HEARING
Wednesday, May 14, 2014
Aunty Sally Kaleohano’s Luau Hale • 799 Piilani Street, Hilo
5:00 pm – 8:30 pm

The U.S. Department of Energy (DOE) invites public comments on the Hawai‘i Clean Energy Draft PEIS, in which DOE proposes to develop guidance that can be used in making decisions to support the State of Hawai‘i in achieving its goal of 70% clean energy by 2030. The PEIS analyzes, at a programmatic level, the potential environmental impacts of activities in the categories of energy efficiency, distributed renewables, utility-scale renewables, alternative transportation fuels and modes, and electrical transmission and distribution.


DOE is holding a total of eight hearings on six islands from May 12-22, 2014; dates and locations are listed on the Hawai‘i Clean Energy Website:
<http://www.hawaiiicleanenergypeis.com>.

Comments can be submitted through June 17, 2014 via:

- Internet - <http://www.hawaiiicleanenergypeis.com>
- Email - hawaiiicleanenergypeis@ee.doe.gov
- Public hearings being held throughout the Islands
- U.S. mail addressed to: Jane Summerson, U.S. Department of Energy, P.O. Box 5400, Bldg 401 KAFB East, Albuquerque, NM 87185




The Draft PEIS is available for download from
<http://hawaiiicleanenergypeis.com> and
<http://energy.gov/NEPA>. Copies are available at area public libraries; see the Draft PEIS Website for locations.



DOE-Hawaii placed the following advertisement in the *Maui News* on May 8, 2014.

U.S. Department of Energy
HAWAI'I CLEAN ENERGY
DRAFT PROGRAMMATIC
ENVIRONMENTAL IMPACT STATEMENT



PUBLIC HEARING
Thursday, May 15, 2014
Pomaikai Elementary School
4650 South Kamehameha Avenue, Kahului
5:00 pm – 8:30 pm



The U.S. Department of Energy (DOE) invites public comments on the Hawai'i Clean Energy Draft PEIS, in which DOE proposes to develop guidance that can be used in making decisions to support the State of Hawai'i in achieving its goal of 70% clean energy by 2030. The PEIS analyzes, at a programmatic level, the potential environmental impacts of activities in the categories of energy efficiency, distributed renewables, utility-scale renewables, alternative transportation fuels and modes, and electrical transmission and distribution.

DOE is holding a total of eight hearings on six islands from May 12-22, 2014; dates and locations are listed on the Hawai'i Clean Energy Website: <http://www.hawaiiicleanenergypeis.com>.

Comments can be submitted through June 17, 2014 via:


- Internet - <http://www.hawaiiicleanenergypeis.com>
- Email - hawaiiicleanenergypeis@ee.doe.gov
- Public hearings being held throughout the Islands
- U.S. mail addressed to: Jane Summerson, U.S. Department of Energy,
P.O. Box 5400, Bldg 401 KAFB East, Albuquerque, NM 87185

The Draft PEIS is available for download from <http://hawaiiicleanenergypeis.com> and <http://energy.gov/NEPA>. Copies are available at area public libraries; see the Draft PEIS Website for locations.



DOE-Hawaii placed the following advertisement in the *Maui News* on May 13, 2014.

U.S. Department of Energy
HAWAI'I CLEAN ENERGY
DRAFT PROGRAMMATIC
ENVIRONMENTAL IMPACT STATEMENT



PUBLIC HEARINGS

Thursday, May 15, 2014, 5:00 pm - 8:30 pm
Pomaika'i Elementary School • 4650 S. Kamehameha Ave., Kahului

Tuesday, May 20, 2014, 5:00 pm - 8:30 pm
Lāna'i High & Elementary School • 555 Fraser Ave., Lāna'i City



The U.S. Department of Energy (DOE) invites public comments on the Hawai'i Clean Energy Draft PEIS, in which DOE proposes to develop guidance that can be used in making decisions to support the State of Hawai'i in achieving its goal of 70% clean energy by 2030. The PEIS analyzes, at a programmatic level, the potential environmental impacts of activities in the categories of energy efficiency, distributed renewables, utility-scale renewables, alternative transportation fuels and modes, and electrical transmission and distribution.

DOE is holding a total of eight hearings on six islands from May 12-22, 2014; dates and locations are listed on the Hawaii Clean Energy Website: <http://www.hawaiiicleanenergypeis.com>.

Comments can be submitted through June 17, 2014 via:


- Internet - <http://www.hawaiiicleanenergypeis.com>
- Email - hawaiiicleanenergypeis@ee.doe.gov
- Public hearings being held throughout the Islands
- U.S. mail addressed to: Jane Summerson, U.S. Department of Energy, P.O. Box 5400, Bldg 401 KAFB East, Albuquerque, NM 87185

The Draft PEIS is available for download from <http://hawaiiicleanenergypeis.com> and <http://energy.gov/NEPA>. Copies are available at area public libraries; see the PEIS Website for locations.



DOE-Hawaii placed the following advertisement in the *Maui News* on May 18, 2014.

U.S. Department of Energy
HAWAI'I CLEAN ENERGY
DRAFT PROGRAMMATIC
ENVIRONMENTAL IMPACT STATEMENT



PUBLIC HEARING
Tuesday, May 20, 2014
Lāna'i High & Elementary School, 555 Fraser Avenue, Lāna'i City
5:00 pm – 8:30 pm



The U.S. Department of Energy (DOE) invites public comments on the Hawai'i Clean Energy Draft PEIS, in which DOE proposes to develop guidance that can be used in making decisions to support the State of Hawai'i in achieving its goal of 70% clean energy by 2030. The PEIS analyzes, at a programmatic level, the potential environmental impacts of activities in the categories of energy efficiency, distributed renewables, utility-scale renewables, alternative transportation fuels and modes, and electrical transmission and distribution.

DOE is holding a total of eight hearings on six islands from May 12-22, 2014; dates and locations are listed on the Hawai'i Clean Energy Website: <http://www.hawaii-clean-energy-peis.com>.

Comments can be submitted through June 17, 2014 via:


- Internet - <http://www.hawaii-clean-energy-peis.com>
- Email - hawaii-clean-energy-peis@ee.doe.gov
- Public hearings being held throughout the Islands
- U.S. mail addressed to: Jane Summerson, U.S. Department of Energy, P.O. Box 5400, Bldg 401 KAFB East, Albuquerque, NM 87185

The Draft PEIS is available for download from <http://hawaii-clean-energy-peis.com> and <http://energy.gov/NEPA>. Copies are available at area public libraries; see the Draft PEIS Website for locations.



DOE-Hawaii placed the following advertisement in the *Molokai Dispatch* on May 7 and 14, 2014.

U.S. Department of Energy
HAWAII CLEAN ENERGY
DRAFT PROGRAMMATIC
ENVIRONMENTAL IMPACT STATEMENT



PUBLIC HEARING
Monday, May 19, 2014
Kaunakakai Elementary School, 30 Ailoa Street, Kaunakakai
5:00 pm – 8:30 pm



The U.S. Department of Energy (DOE) invites public comments on the Hawaii Clean Energy Draft PEIS, in which DOE proposes to develop guidance that can be used in making decisions to support the State of Hawaii in achieving its goal of 70% clean energy by 2030. The PEIS analyzes, at a programmatic level, the potential environmental impacts of activities in the categories of energy efficiency, distributed renewables, utility-scale renewables, alternative transportation fuels and modes, and electrical transmission and distribution.

DOE is holding a total of eight hearings on six islands from May 12-22, 2014; dates and locations are listed on the Hawaii Clean Energy Website: <http://www.hawaii-clean-energy-peis.com>.

Comments can be submitted through June 17, 2014 via:


- Internet - <http://www.hawaii-clean-energy-peis.com>
- Email - hawaii-clean-energy-peis@ee.doe.gov
- Public hearings being held throughout the Islands
- U.S. mail addressed to: Jane Summerson, U.S. Department of Energy,
P.O. Box 5400, Bldg 401 KAFB East, Albuquerque, NM 87185

The Draft PEIS is available for download from <http://hawaii-clean-energy-peis.com> and <http://energy.gov/NEPA>. Copies are available at area public libraries; see the PEIS Website for locations.



DOE-Hawai'i placed the following advertisement in the *Star-Advertiser* on May 14 and 19, 2014.

U.S. Department of Energy
HAWAI'I CLEAN ENERGY
DRAFT PROGRAMMATIC
ENVIRONMENTAL IMPACT STATEMENT



PUBLIC HEARINGS
Wednesday, May 21, 2014, 5:00 pm - 8:30 pm
Kawananakoa Middle School • 49 Funchal Street, Honolulu
Thursday, May 22, 2014, 5:00 pm - 8:30 pm
James B. Castle High School • 45-386 Kaneohe Bay Drive, Kaneohe



The U.S. Department of Energy (DOE) invites public comments on the Hawai'i Clean Energy Draft PEIS, in which DOE proposes to develop guidance that can be used in making decisions to support the State of Hawai'i in achieving its goal of 70% clean energy by 2030. The PEIS analyzes, at a programmatic level, the potential environmental impacts of activities in the categories of energy efficiency, distributed renewables, utility-scale renewables, alternative transportation fuels and modes, and electrical transmission and distribution.

DOE is holding a total of eight hearings on six islands from May 12-22, 2014; dates and locations are listed on the Hawaii Clean Energy Website: <http://www.hawaiicleanenergypeis.com>.

Comments can be submitted through June 17, 2014 via:

- Internet - <http://www.hawaiicleanenergypeis.com>
- Email - hawaiicleanenergypeis@ee.doe.gov
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The Draft PEIS is available for download from <http://hawaiicleanenergypeis.com> and <http://energy.gov/NEPA>. Copies are available at area public libraries; see the PEIS Website for locations.



DOE- Hawai'i mailed the following notice to the Hawai'i mailing list.



NOTICE OF AVAILABILITY

Hawai'i Clean Energy Draft Programmatic Environmental Impact Statement (DOE/EIS-0459)

The U.S. Department of Energy (DOE) is pleased to announce the availability of the *Hawaii Clean Energy Draft Programmatic Environmental Impact Statement* (Draft PEIS) and invitation to comment on the PEIS DOE prepared the Draft PEIS in accordance with the Council on Environmental Quality's National Environmental Policy Act (NEPA) implementing regulations (40 CFR Parts 1500 through 1508) and DOE's NEPA implementing procedures (10 CFR Part 1021).

DOE's proposed action is to develop guidance to aid in making decisions about future funding or other actions to support the State of Hawaii in its efforts to meet the Hawaii Clean Energy Initiative's goal, which is to meet 70 percent of the State's energy needs by 2030 through clean, renewable energy. The Draft PEIS identifies 31 clean energy technologies and activities associated with potential future actions that could require an environmental review and groups them into five clean energy categories:

- Energy efficiency,
- Distributed renewable energy technologies,
- Utility-scale renewable energy technologies,
- Alternative vehicle fuels and modes, and
- Electrical transmission and distribution.

For each activity or technology, the Draft PEIS identifies potential impacts to 17 environmental resource areas and discusses best management practices that could be used to avoid, minimize, or reduce those potential environmental impacts.

The Draft PEIS can be accessed for download at <http://hawaiienergyypeis.com> or <http://energy.gov/nepa/eis-0459-hawaii-clean-energy-programmatic-environmental-impact-statement>. A CD can be requested from DOE by email to hawaiienergyypeis@ee.doe.gov, online at <http://hawaiienergyypeis.com>, or by contacting DOE's NEPA Document Manager:

Dr. Jane Summerson, Ph.D.
U.S. Department of Energy - NNSA
PO Box 5400, Bldg 401 KAFB East
Albuquerque, NM 87185

In the CD and download version, each chapter includes links to access glossary terms, tables, figures, and references to help the reader to review the document electronically.

DOE will issue a Notice of Availability in the *Federal Register* on April 18, 2014, that announces a 90-day public comment period from April 18 through July 16, 2014. The Notice also will be posted on the above websites. DOE will consider comments received after the end of the comment period date to the extent practicable. DOE has scheduled eight public hearings in Hawai'i from May 12 to 22, 2014; locations, dates, and times will be provided in the Notice of Availability and on the PEIS Website. Comments on the Draft EIS may be provided orally or in writing at a public hearing, by email to hawaiienergyypeis@ee.doe.gov, through the PEIS website at <http://hawaiienergyypeis.com>, or by mail to the address above. DOE appreciates your participation in this NEPA process.

Sincerely,

A handwritten signature in cursive script that reads "Jane K. Summerson".

Jane Summerson, Ph.D.
NEPA Document Manager

Notices about Public Scoping

The following Amended Notice of Intent appeared in the *Federal Register* on August 10, 2012.

47828

Federal Register / Vol. 77, No. 155 / Friday, August 10, 2012 / Notices

DEPARTMENT OF ENERGY**Amended Notice of Intent To Prepare the Hawai'i Clean Energy Programmatic Environmental Impact Statement**

AGENCY: Department of Energy (DOE).
ACTION: Amended Notice of Intent (NOI) to prepare a Programmatic Environmental Impact Statement (PEIS).

SUMMARY: In 2010, DOE announced its intent to prepare a *PEIS for the Hawai'i Interisland Renewable Energy Program (HIREP): Wind* (DOE/EIS-0459) (HIREP: Wind PEIS). In response to public scoping comments on the HIREP: Wind PEIS, as well as regulatory and policy developments since the scoping meetings, DOE proposes to broaden the range of energy efficiency and renewable energy activities and technologies to be analyzed in the PEIS and, accordingly, has renamed it the *Hawai'i Clean Energy PEIS*. DOE's proposal will involve the development of guidance to use in future funding decisions and other actions to support Hawai'i in achieving the goal established in the Hawai'i Clean Energy Initiative (HCEI) to meet 70% of the State's energy needs by 2030 through energy efficiency and renewable energy. Achieving the HCEI goal could involve a diverse range of activities. Accordingly, this PEIS will analyze the potential environmental impacts of activities in the following clean energy categories: (1) Energy Efficiency, (2) Distributed Renewables, (3) Utility-Scale Renewables, (4) Alternative Transportation Fuels and Modes, and (5) Electrical Transmission and Distribution. The State of Hawai'i and the U.S. Department of the Interior's Bureau of Ocean Energy Management (BOEM) are cooperating agencies in preparing this PEIS.

DATES: DOE invites public comment on the scope of the PEIS during a 60-day public scoping period ending on October 9, 2012. See *Public Participation: Scoping, EIS Distribution, Schedule* in the **SUPPLEMENTARY INFORMATION** section below for public scoping meeting dates and locations. DOE will consider all comments received or postmarked by the end of the scoping period, and will consider comments received or postmarked after the ending date to the extent practicable.

ADDRESSES: Written comments on the scope of the PEIS or a request to be added to the PEIS distribution list may be submitted as follows:

- Email to hawaiiicleanenergypeis@ee.doe.gov.

- Electronic comments via the PEIS Web site at <http://www.hawaiiicleanenergypeis.com>.

- Facsimile (fax) to (808) 541-2253. Attention: Hawai'i Clean Energy PEIS.

- U.S. mail to Jim Spaeth, U.S. Department of Energy, 300 Ala Moana Blvd., P.O. Box 50247, Honolulu, HI 96850-0247.

FOR FURTHER INFORMATION CONTACT: For information on DOE's proposed action, contact Jane Summerson, Ph.D., DOE National Environmental Policy Act (NEPA) Document Manager, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy, 1000 Independence Avenue SW., Washington, DC 20585, or Jim Spaeth, U.S. Department of Energy, 300 Ala Moana Blvd., P.O. Box 50247, Honolulu, HI 96850-0247, or send an email to hawaiiicleanenergypeis@ee.doe.gov. Information on the Hawai'i Clean Energy PEIS is available on the PEIS Web site at <http://www.hawaiiicleanenergypeis.com> and at the public libraries listed under *Public Participation: Scoping, EIS Distribution, Schedule* in the **SUPPLEMENTARY INFORMATION** section below.

For general information about the DOE NEPA process, contact Carol Borgstrom, Director, Office of NEPA Policy and Compliance (GC-54), U.S. Department of Energy, 1000 Independence Avenue SW, Washington, DC 20585, or (800) 472-2756 or askNEPA@hq.doe.gov.

SUPPLEMENTARY INFORMATION:**1. Background***DOE and the State of Hawai'i Coordination and Collaboration*

DOE and Hawai'i entered into a Memorandum of Understanding (MOU) in January 2008 that established a long-term partnership to transform the way in which energy efficiency and renewable energy resources are planned and used in the State. The MOU established working groups to address key sectors of the energy economy (e.g., electricity, end-use efficiency, transportation, and fuels), which led to the establishment of the HCEI. The goal of the HCEI is to meet 70% of Hawai'i's energy needs by 2030 through energy efficiency and renewable energy (collectively "clean energy").

To support this goal, in 2009, Hawai'i's legislature established a Renewable Portfolio Standard of 15% by 2015, 25% by 2020, and 40% by 2030. [See Haw. Rev. Stat. Sections 269-91 to 296-95 (2012) and Haw. Rev. Stat. Section 196 (2012).] Hawai'i also has established an Energy Efficiency Portfolio Standard that calls for the

statewide reduction in electricity use of 4,300 gigawatt hours via efficiency measures by 2030. [Haw. Rev. Stat. Section 269–96 (2012).]

Meanwhile, DOE has helped advance Hawai'i's clean energy goals by providing technical research and analysis, direct staff involvement, competitive solicitations, and funding. For example, DOE has provided funding for distributed photovoltaics on O'ahu and Maui; a wind farm on O'ahu; smart grid projects on Maui and Kaua'i; electric vehicle public charging networks; efficient appliance rebates; solar water heating rebates; and low-interest loans. Also, in accordance with Section 355 of the Energy Policy Act of 2005, DOE assessed the economic implications of Hawai'i's dependence on oil as a principal source of energy, including the technical and economic feasibility of increasing the use of renewable energy resources for the generation of electricity on an island-by-island basis. The report concluded that Hawai'i has many opportunities to diversify energy use through greater utilization of renewable energy for electricity and transportation applications.¹

2010 Notice of Intent for the HIREP: Wind PEIS

On December 14, 2010, DOE issued a NOI to prepare a PEIS, with the State of Hawai'i as a joint lead, on the wind phase of the Hawai'i Interisland Renewable Energy Program (75 FR 77859). That NOI referred to the PEIS as the HIREP: Wind PEIS. Scoping meetings were held in Honolulu, Kahului, Kaunakakai, and Lāna'i City in February 2011. Commenters expressed concern that DOE and the State would not analyze energy efficiency measures, distributed renewable energy, or the full range of potential renewable energy technologies. Commenters also expressed concern about the construction of interisland electricity transmission connection(s) and cable(s), the potential disparity of impacts on islands that could host wind development projects versus those that would use the electricity, and potential impacts to cultural resources, among other issues. In light of these comments, as well as regulatory and policy developments since the scoping meetings, DOE consulted with the State and decided to broaden the range of energy efficiency and renewable energy activities and technologies to be

¹U.S. Department of Energy, *Assessment of Dependence of State of Hawaii on Oil* (December 2008); available at http://hawaii-clean-energy-peis.com/wp-content/uploads/2012/07/Hawaii_Oil_Dependency.pdf.

analyzed in the PEIS. In preparing the PEIS, DOE will consider scoping comments already received on the initial NOI, along with comments received in response to this amended NOI.

2. Environmental Review Process

The Hawai'i Clean Energy PEIS will be prepared pursuant to the National Environmental Policy Act (NEPA), as amended, the Council on Environmental Quality (CEQ) NEPA regulations (40 CFR Parts 1500 through 1508), and the DOE NEPA implementing procedures (10 CFR Part 1021). The PEIS also will consider, among other regulatory items, the requirements of the Hawai'i Environmental Policy Act (Hawai'i Revised Statutes [HRS] chapter 343).

DOE invites Federal, State, and local government agencies, Native Hawaiian and other organizations, and members of the public to submit comments and participate in public meetings on the scope of the PEIS—that is, the proposed action, the range of reasonable alternatives, and potential environmental impacts and other issues to be considered. DOE also invites government agencies with jurisdiction by law or special expertise to be cooperating agencies in EIS preparation. The State of Hawai'i and BOEM have agreed to be cooperating agencies.

The PEIS will not eliminate the need for project-specific environmental review of individual projects or activities that may be eligible for funding or other support by DOE. To the extent that DOE proposes to fund or undertake particular projects or activities that may fall within the scope of the PEIS, project-specific NEPA review for such projects and activities is expected to be tiered from the PEIS and to be more effective and efficient because of the PEIS. Moreover, such projects and activities will be subject to compliance with obligations under other environmental laws such as the Endangered Species Act and National Historic Preservation Act.

3. DOE Purpose and Need for Agency Action

DOE's purpose and need for agency action is based on the 2008 MOU with Hawai'i that established a long-term partnership to transform the way in which energy efficiency and renewable energy resources are planned and used in the State. Consistent with this MOU, DOE's purpose and need is to support the State in its efforts to meet 70% of the State's energy needs by 2030 through clean energy.

4. DOE's Proposed Action

DOE's proposed action is to develop guidance that it can use in making decisions about future funding or other actions to support Hawai'i in achieving the goal established in the HCEI to meet 70% of the State's energy needs by 2030 through energy efficiency and renewable energy. For purposes of this PEIS, DOE has divided these potential future actions into five clean energy categories and will analyze, at a programmatic level, the potential environmental impacts of future DOE actions that would fall within these categories and be subject to DOE's proposed guidance.

Energy Efficiency

- Buildings (new construction and retrofits)
- Energy Conservation
- Ground Source Heat Pumps
- Initiatives and Programs (e.g., tax incentives and rebates)
- Sea Water Cooling
- Solar Water Heating

Distributed Renewables

- Biomass (small systems)
- Hydroelectric (small systems)
- Hydrogen Fuel Cells
- Solar Photovoltaic Panels
- Wind (small systems)

Utility-Scale Renewables

Biomass Geothermal

- Hydroelectric
- Municipal Solid Waste (including landfill gas)
- Ocean Energy (wave and tidal)
- Ocean Thermal Energy Conversion
- Solar Photovoltaic Arrays
- Solar Thermal Systems
- Wind (land-based)
- Wind (offshore)

Alternative Transportation Fuels and Modes

- Biofuels
- Electric Vehicles
- Hybrid Electric Vehicles
- Hydrogen
- Liquefied Natural Gas
- Mass Transportation

Electrical Transmission and Distribution

- On Island Transmission
- Land/Sea Cable Transition Sites
- Undersea Cable Corridors
- Smart Grid
- Energy Storage

The PEIS will analyze the potential environmental impacts of only those clean energy activities and technologies that are eligible under Hawai'i's Renewable Portfolio Standard or Energy Efficiency Portfolio Standard. It will analyze these potential impacts, as

appropriate, on an island-by-island basis for the islands of Hawai'i, Kaua'i, Lāna'i, Maui, Moloka'i, and O'ahu. The PEIS will build upon the environmental and technical studies and public comments and outreach conducted to date.

The energy efficiency activities and renewable energy technologies and resources available in Hawai'i, including distributed and utility-scale renewable energy, vary by island and in commercial availability and economic viability. Furthermore, as in all utility systems, Hawai'i's ability to incorporate clean energy into individual island grids can be limited by the capacity of the power transmission system. Thus, DOE will consider several factors in determining the appropriate level of detail for analyzing the potential environmental impacts of each form of clean energy in the PEIS. These factors may include the potential to make a timely contribution to the HCEI goal; stage of technical development; commercial availability; and potential for significant environmental impacts. Similarly, DOE will consider the conditions on an individual island to help determine the appropriate level of detail for analysis of potential impacts on that island. In other words, the PEIS will not assume that each energy efficiency activity or renewable energy technology has the same potential for use on each island or that it would result in the same potential environmental impacts on each island.

The PEIS may identify (a) general geographical areas suitable for development of renewable energy resources, (b) combinations of energy efficiency activities and renewable energy technologies that may be both feasible and efficient in helping Hawai'i meet its HCEI goal, and (c) selection criteria and priorities that DOE could consider when reviewing project-specific proposals. In addition, the PEIS will provide information needed to consider the potential environmental impacts from clean energy activities and technologies. As a result, DOE will have information relevant to prioritizing future funding or other decisions. This could help DOE avoid redundancies and inefficiencies in future project development and decision-making.

The PEIS also will analyze, as connected actions or for cumulative impacts, on-going and reasonably foreseeable actions by other entities that could contribute to meeting Hawai'i's clean energy goals. Such energy efficiency and renewable energy actions could be proposed or undertaken by other federal agencies, state or local government agencies, or private parties.

No-Action Alternative

Under the no-action alternative, DOE would continue to support, through funding and other actions, Hawai'i in meeting the HCEI goal on a case-by-case basis, but without guidance to integrate and prioritize funding decisions and other actions.

5. Preliminary Identification of Environmental Issues

The PEIS will evaluate the full range of potential environmental, including cultural and socioeconomic, impacts associated with implementing clean energy activities and technologies on the islands of Hawai'i, Kaua'i, Lāna'i, Maui, Moloka'i, and O'ahu.

The following environmental resource areas have been tentatively identified for consideration in the EIS:

- Cultural and historical resources.
- Air quality (including climate change and greenhouse gas emissions).
- Water resources.
- Floodplains and wetlands.
- Coastal zone management.
- Geology and soils.
- Land and submerged land use.
- Biological resources (including threatened and endangered species, special status species, and related sensitive resources).
- Land and marine transportation.
- Airspace management.
- Public health and safety.
- Noise.
- Natural hazards.
- Hazardous materials and waste management.
- Accidents and intentional destructive acts.
- Recreational resources.
- Visual resources.
- Socioeconomics.
- Environmental justice (disproportionately high and adverse impacts to minority and low-income populations).
- Utilities and infrastructure.
- Cumulative impacts (past, present, and reasonably foreseeable future actions).
- Irreversible and irretrievable commitments of resources.

6. Public Participation: Scoping, EIS Distribution, Schedule

Public scoping meetings will be conducted at the following times and locations:

- September 11, 2012, 5:00–8:30 p.m. at O'ahu, McKinley High School, 1039 South King Street, Honolulu, HI 96814
- September 12, 2012, 5:30–9:00 p.m. at Kaua'i, Kaua'i War Memorial Convention Hall, 4191 Hardy Street, Lihue, HI 96766

- September 13, 2012, 5–8:30 p.m. at Hawai'i, Kealakehe High School, 74–5000 Puohuluhuli Street, Kailua-Kona, HI 96740
- September 14, 2012, 5–8:30 p.m. at Hawai'i, Hilo High School, 556 Waiianuenue Avenue, Hilo, HI 96720
- September 17, 2012, 5:30–9 p.m. at Maui, Pomaika'i Elementary School, 4650 South Kamehameha Avenue, Kahului, HI 96732
- September 18, 2012, 5–8:30 p.m. at Lāna'i, Lāna'i High & Elementary School, 555 Fraser Avenue, Lanai City, HI 96763
- September 19, 2012, 5:30–9 p.m. at Molokai, Mitchell Pau'ole Community Center, 90 Ainoa Street, Kaunakakai, Molokai, HI 96748
- September 20, 2012, 5–8:30 p.m. at O'ahu, James B. Castle High School, 45–386 Kaneohe Bay Drive, Kaneohe, HI 96744

Each scoping meeting will involve: a presentation that describes the NEPA process and the concept of a Programmatic EIS; a question and answer session; and a formal commenting session, which will be transcribed by a court reporter to ensure that all comments are available to DOE for consideration during preparation of the draft PEIS. The meetings will provide opportunities to view exhibits on potential clean energy approaches, ask questions, and submit comments orally or in writing. Representatives from DOE, Hawai'i, BOEM, and any other involved agencies will be available to answer questions and provide additional information to participants. Individuals who submit comments during the scoping process and provide their contact information will receive copies of the draft PEIS. The format of the draft PEIS provided could be a printed summary and CD of the complete document, a CD of the document, Web site access to the document, or a complete printed document, according to the commenter's format preference. Persons who do not submit comments during scoping, but would like to receive a copy of the draft PEIS when it is issued, should submit a request as provided in the ADDRESSES section and specify their format preference.

Information on the Hawai'i Clean Energy PEIS is available on the PEIS Web site at <http://www.hawaii-cleanenergy-peis.com>. Materials relating to this PEIS also will be available at the public libraries listed below and several additional public libraries across the State of Hawai'i (for a complete list, see the PEIS Web site):

- Hawai'i State Library, 478 South King Street, Honolulu, HI 96813.

- Lānaʻi Public and School Library, 555 Fraser Ave, Lānaʻi City, HI 96763.
- Wailuku Public Library, 251 High Street, Wailuku, HI 96793.
- Molokaʻi Public Library, 15 Ala Malama, Kaunakakai, HI 96748.
- Hilo Public Library, 300 Waianuenue Ave, Hilo, HI 96720.
- Kailua-Kona Public Library, 75–138 Hualalai Road, Kailua-Kona, HI 96740.
- Lihuʻe Public Library, 4344 Hardy Street, Lihuʻe, HI 96766.

In preparing the draft PEIS, DOE will consider comments received during the scoping period and will consider late comments to the extent practicable. DOE plans to issue the draft PEIS in 2013. The U.S. Environmental Protection Agency (EPA) will publish a Notice of Availability (NOA) of the draft PEIS in the **Federal Register**, which will begin a minimum 45-day public comment period. DOE will announce how to comment on the draft PEIS and will hold public hearings during the public comment period, but no sooner than 15 days after the NOA of the draft PEIS is published.

In preparing the final PEIS, DOE will respond to comments received on the draft PEIS. DOE plans to issue the final PEIS in 2014. No sooner than 30 days after EPA publishes a NOA of the final PEIS, DOE may issue its Record of Decision regarding its actions considered in the PEIS.

Issued in Washington, DC, on August 3, 2012.

Patricia Hoffman,


Assistant Secretary for Electricity Delivery and Energy Reliability.

[FR Doc. 2012–19647 Filed 8–9–12; 8:45 am]

BILLING CODE 6450–01–P

DOE-Hawai'i placed the following advertisement in the *Star-Advertiser* on September 4 and 10, 2012.

U.S. Department of Energy
**HAWAI'I CLEAN ENERGY
PROGRAMMATIC ENVIRONMENTAL
IMPACT STATEMENT (PEIS)**




PUBLIC SCOPING MEETING
Tuesday, September 11, 2012
McKinley High School • 1039 South King Street, Honolulu
5:00 pm – 8:30 pm

The U.S. Department of Energy (DOE) invites public comment on the scope of the Hawai'i Clean Energy PEIS, in which DOE proposes to develop guidance to use in future funding decisions and other actions to support Hawai'i in achieving its goal of 70% clean energy by 2030. The PEIS will analyze, at a programmatic level, the potential environmental impacts of activities in the categories of energy efficiency, distributed renewables, utility-scale renewables, alternative transportation fuels and modes, and electrical transmission and distribution.

Meetings will be held in Kaneohe and on Kaua'i, Moloka'i, Lāna'i, Maui, and Hawai'i Island; please check the website for the specific schedule.


Comments can be submitted through October 9, 2012 via:

- Internet - <http://www.hawaiicleanenergypeis.com>
- Email - hawaiicleanenergypeis@ee.doe.gov
- Fax - (808) 541-2253, Attention: Hawai'i Clean Energy PEIS
- U.S. mail addressed to: Jim Spaeth, U.S. Department of Energy, 300 Ala Moana Blvd., P.O. Box 50247, Honolulu, HI 96850-0247



Hawai'i Powered
Hawai'i Clean Energy Institute

The Amended Notice of Intent and information about the 60-day public scoping period can be found at <http://www.hawaiicleanenergypeis.com>



DOE-Hawai'i placed the following advertisement in *The Garden Island* on September 5, 2012.

U.S. Department of Energy
**HAWAII CLEAN ENERGY
PROGRAMMATIC ENVIRONMENTAL
IMPACT STATEMENT (PEIS)**



PUBLIC SCOPING MEETING

Wednesday, September 12, 2012

Kaua'i War Memorial Convention Hall • 4191 Hardy Street, Lihue
5:00 pm – 8:30 pm

The U.S. Department of Energy (DOE) invites public comment on the scope of the Hawai'i Clean Energy PEIS, in which DOE proposes to develop guidance to use in future funding decisions and other actions to support Hawai'i in achieving its goal of 70% clean energy by 2030. The PEIS will analyze, at a programmatic level, the potential environmental impacts of activities in the categories of energy efficiency, distributed renewables, utility-scale renewables, alternative transportation fuels and modes, and electrical transmission and distribution.

Meetings will be held on O'ahu, Moloka'i, Lāna'i, Maui, and Hawai'i Island; please check the website for the specific schedule.

Comments can be submitted through October 9, 2012 via:

- Internet - <http://www.hawaiiicleanenergypeis.com>
- Email - hawaiiicleanenergypeis@ee.doe.gov
- Fax - (808) 541-2253, Attention: Hawai'i Clean Energy PEIS
- U.S. mail addressed to: Jim Spaeth, U.S. Department of Energy, 300 Ala Moana Blvd., P.O. Box 50247, Honolulu, HI 96850-0247



The Amended Notice of Intent and information about the 60-day public scoping period can be found at <http://www.hawaiiicleanenergypeis.com>



DOE-Hawai'i placed the following advertisement in *The Garden Island* on September 10, 2012.

U.S. Department of Energy
**HAWAII CLEAN ENERGY
PROGRAMMATIC ENVIRONMENTAL
IMPACT STATEMENT (PEIS)**



PUBLIC SCOPING MEETING

Wednesday, September 12, 2012

Kaua'i War Memorial Convention Hall • 4191 Hardy Street, Lihue
5:00 pm – 8:30 pm

The U.S. Department of Energy (DOE) invites public comment on the scope of the Hawai'i Clean Energy PEIS, in which DOE proposes to develop guidance to use in future funding decisions and other actions to support Hawai'i in achieving its goal of 70% clean energy by 2030. The PEIS will analyze, at a programmatic level, the potential environmental impacts of activities in the categories of energy efficiency, distributed renewables, utility-scale renewables, alternative transportation fuels and modes, and electrical transmission and distribution.

Meetings will be held on Moloka'i, Lāna'i, Maui, and Hawai'i Island; please check the website for the specific schedule.

Comments can be submitted through October 9, 2012 via:

- Internet - <http://www.hawaiicleanenergypeis.com>
- Email - hawaiicleanenergypeis@ee.doe.gov
- Fax - (808) 541-2253, Attention: Hawai'i Clean Energy PEIS
- U.S. mail addressed to: Jim Spaeth, U.S. Department of Energy, 300 Ala Moana Blvd., P.O. Box 50247, Honolulu, HI 96850-0247




The Amended Notice of Intent and information about the 60-day public scoping period can be found at <http://www.hawaiicleanenergypeis.com>



DOE-Hawai'i placed the following advertisement in *West Hawai'i Today* on September 6 and 11, 2012.

U.S. Department of Energy
**HAWAI'I CLEAN ENERGY
PROGRAMMATIC ENVIRONMENTAL
IMPACT STATEMENT (PEIS)**




PUBLIC SCOPING MEETING
Thursday, September 13, 2012
Kealakehe High School • 74-5000 Puohuluhuli Street, Kailua-Kona
5:00 pm – 8:30 pm

The U.S. Department of Energy (DOE) invites public comment on the scope of the Hawai'i Clean Energy PEIS, in which DOE proposes to develop guidance to use in future funding decisions and other actions to support Hawai'i in achieving its goal of 70% clean energy by 2030. The PEIS will analyze, at a programmatic level, the potential environmental impacts of activities in the categories of energy efficiency, distributed renewables, utility-scale renewables, alternative transportation fuels and modes, and electrical transmission and distribution.

Meetings will be held in Hilo and on O'ahu, Kaua'i, Moloka'i, Lāna'i, and Maui; please check the website for the specific schedule.


Comments can be submitted through October 9, 2012 via:

- Internet - <http://www.hawaiicleanenergypeis.com>
- Email - hawaiicleanenergypeis@ee.doe.gov
- Fax - (808) 541-2253, Attention: Hawai'i Clean Energy PEIS
- U.S. mail addressed to: Jim Spaeth, U.S. Department of Energy, 300 Ala Moana Blvd., P.O. Box 50247, Honolulu, HI 96850-0247



Hawai'i Powered
Hawai'i Clean Energy Institute

The Amended Notice of Intent and information about the 60-day public scoping period can be found at <http://www.hawaiicleanenergypeis.com>



DOE-Hawai'i placed the following advertisement in *Hawai'i Tribune Herald* on September 7 and 12, 2012.

U.S. Department of Energy
**HAWAI'I CLEAN ENERGY
PROGRAMMATIC ENVIRONMENTAL
IMPACT STATEMENT (PEIS)**



PUBLIC SCOPING MEETING

Friday, September 14, 2012

Hilo High School • 556 Waianuenu Avenue, Hilo
5:00 pm – 8:30 pm

The U.S. Department of Energy (DOE) invites public comment on the scope of the Hawai'i Clean Energy PEIS, in which DOE proposes to develop guidance to use in future funding decisions and other actions to support Hawai'i in achieving its goal of 70% clean energy by 2030. The PEIS will analyze, at a programmatic level, the potential environmental impacts of activities in the categories of energy efficiency, distributed renewables, utility-scale renewables, alternative transportation fuels and modes, and electrical transmission and distribution.

Meetings will be held in Kailua-Kona and on O'ahu, Kaua'i, Moloka'i, Lāna'i, and Maui; please check the website for the specific schedule.

Comments can be submitted through October 9, 2012 via:

- Internet - <http://www.hawaiicleanenergypeis.com>
- Email - hawaiicleanenergypeis@ee.doe.gov
- Fax - (808) 541-2253, Attention: Hawai'i Clean Energy PEIS
- U.S. mail addressed to: Jim Spaeth, U.S. Department of Energy, 300 Ala Moana Blvd., P.O. Box 50247, Honolulu, HI 96850-0247



The Amended Notice of Intent and information about the 60-day public scoping period can be found at <http://www.hawaiicleanenergypeis.com>



DOE-Hawai'i placed the following advertisement in *The Maui News* on September 10, 2012.

U.S. Department of Energy
HAWAI'I CLEAN ENERGY
PROGRAMMATIC ENVIRONMENTAL
IMPACT STATEMENT (PEIS)



PUBLIC SCOPING MEETINGS

Monday, September 17, 2012

Pomaika'i Elementary School • 4650 South Kamehameha Ave, Kahului
5:30 pm – 9:00 pm

Tuesday, September 18, 2012

Lāna'i High & Elementary School • 555 Fraser Ave, Lāna'i City
5:00 pm – 8:30 pm

The U.S. Department of Energy (DOE) invites public comment on the scope of the Hawai'i Clean Energy PEIS, in which DOE proposes to develop guidance to use in future funding decisions and other actions to support Hawai'i in achieving its goal of 70% clean energy by 2030. The PEIS will analyze, at a programmatic level, the potential environmental impacts of activities in the categories of energy efficiency, distributed renewables, utility-scale renewables, alternative transportation fuels and modes, and electrical transmission and distribution.

Meetings will be held on O'ahu, Kaua'i, Moloka'i, and Hawai'i Island; please check the website for the specific schedule.

Comments can be submitted through October 9, 2012 via:

- Internet - <http://www.hawaiiicleanenergypeis.com>
- Email - hawaiiicleanenergypeis@ee.doe.gov
- Fax - (808) 541-2253, Attention: Hawai'i Clean Energy PEIS
- U.S. mail addressed to: Jim Spaeth, U.S. Department of Energy, 300 Ala Moana Blvd., P.O. Box 50247, Honolulu, HI 96850-0247



The Amended Notice of Intent and information about the 60-day public scoping period can be found at <http://www.hawaiiicleanenergypeis.com>



DOE-Hawai'i placed the following advertisement in *The Maui News* on September 14, 2012.

U.S. Department of Energy
HAWAI'I CLEAN ENERGY
PROGRAMMATIC ENVIRONMENTAL
IMPACT STATEMENT (PEIS)



PUBLIC SCOPING MEETINGS

Monday, September 17, 2012

Pomaika'i Elementary School • 4650 South Kamehameha Ave, Kahului
5:30 pm – 9:00 pm

Tuesday, September 18, 2012

Lāna'i High & Elementary School • 555 Fraser Ave, Lāna'i City
5:00 pm – 8:30 pm

The U.S. Department of Energy (DOE) invites public comment on the scope of the Hawai'i Clean Energy PEIS, in which DOE proposes to develop guidance to use in future funding decisions and other actions to support Hawai'i in achieving its goal of 70% clean energy by 2030. The PEIS will analyze, at a programmatic level, the potential environmental impacts of activities in the categories of energy efficiency, distributed renewables, utility-scale renewables, alternative transportation fuels and modes, and electrical transmission and distribution.

Meetings will be held on Molokai and in Kaneohe; please check the website for the specific schedule.

Comments can be submitted through October 9, 2012 via:

- Internet - <http://www.hawaiiicleanenergypeis.com>
- Email - hawaiiicleanenergypeis@ee.doe.gov
- Fax - (808) 541-2253, Attention: Hawai'i Clean Energy PEIS
- U.S. mail addressed to: Jim Spaeth, U.S. Department of Energy, 300 Ala Moana Blvd., P.O. Box 50247, Honolulu, HI 96850-0247




The Amended Notice of Intent and information about the 60-day public scoping period can be found at <http://www.hawaiiicleanenergypeis.com>



DOE-Hawai'i placed the following advertisement in *The Moloka'i Dispatch* on September 12, 2012.

U.S. Department of Energy **HAWAI'I CLEAN ENERGY PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT (PEIS)**




PUBLIC SCOPING MEETING
Wednesday, September 19, 2012
Mitchell Pau'ole Community Center • 90 Ainoa Street, Kaunakakai
5:30 pm – 9:00 pm

The U.S. Department of Energy (DOE) invites public comment on the scope of the Hawai'i Clean Energy PEIS, in which DOE proposes to develop guidance to use in future funding decisions and other actions to support Hawai'i in achieving its goal of 70% clean energy by 2030. The PEIS will analyze, at a programmatic level, the potential environmental impacts of activities in the categories of energy efficiency, distributed renewables, utility-scale renewables, alternative transportation fuels and modes, and electrical transmission and distribution.

Meetings will be held on O'ahu, Lāna'i, Maui, and Hawaii Island; please check the website for the specific schedule.


Comments can be submitted through October 9, 2012 via:

- Internet - <http://www.hawaiicleanenergypeis.com>
- Email - hawaiicleanenergypeis@ee.doe.gov
- Fax - (808) 541-2253, Attention: Hawai'i Clean Energy PEIS
- U.S. mail addressed to: Jim Spaeth, U.S. Department of Energy, 300 Ala Moana Blvd., P.O. Box 50247, Honolulu, HI 96850-0247




Hawai'i Powered
Hawai'i Clean Energy Initiative

The Amended Notice of Intent and information about the 60-day public scoping period can be found at <http://www.hawaiicleanenergypeis.com>



DOE-Hawai'i placed the following advertisement in *The Moloka'i Dispatch* on September 19, 2012.

U.S. Department of Energy
**HAWAII CLEAN ENERGY
PROGRAMMATIC ENVIRONMENTAL
IMPACT STATEMENT (PEIS)**




PUBLIC SCOPING MEETING
Wednesday, September 19, 2012
Mitchell Pau'ole Community Center • 90 Ainoa Street, Kaunakakai
5:30 pm – 9:00 pm

The U.S. Department of Energy (DOE) invites public comment on the scope of the Hawai'i Clean Energy PEIS, in which DOE proposes to develop guidance to use in future funding decisions and other actions to support Hawai'i in achieving its goal of 70% clean energy by 2030. The PEIS will analyze, at a programmatic level, the potential environmental impacts of activities in the categories of energy efficiency, distributed renewables, utility-scale renewables, alternative transportation fuels and modes, and electrical transmission and distribution.


Meetings will be held on O'ahu and Lāna'i; please check the website for the specific schedule.

Comments can be submitted through October 9, 2012 via:

- Internet - <http://www.hawaii-clean-energy-peis.com>
- Email - hawaii-clean-energy-peis@ee.doe.gov
- Fax - (808) 541-2253, Attention: Hawai'i Clean Energy PEIS
- U.S. mail addressed to: Jim Spaeth, U.S. Department of Energy, 300 Ala Moana Blvd., P.O. Box 50247, Honolulu, HI 96850-0247



The Amended Notice of Intent and information about the 60-day public scoping period can be found at <http://www.hawaii-clean-energy-peis.com>



DOE-Hawai'i placed the following advertisement in *the Star Advertiser* on September 13, 2012.

U.S. Department of Energy
**HAWAII CLEAN ENERGY
PROGRAMMATIC ENVIRONMENTAL
IMPACT STATEMENT (PEIS)**



PUBLIC SCOPING MEETING

Thursday, September 20, 2012

James B. Castle High School • 45-386 Kaneohe Bay Drive, Kaneohe
5:00 pm – 8:30 pm

The U.S. Department of Energy (DOE) invites public comment on the scope of the Hawai'i Clean Energy PEIS, in which DOE proposes to develop guidance to use in future funding decisions and other actions to support Hawai'i in achieving its goal of 70% clean energy by 2030. The PEIS will analyze, at a programmatic level, the potential environmental impacts of activities in the categories of energy efficiency, distributed renewables, utility-scale renewables, alternative transportation fuels and modes, and electrical transmission and distribution.

Meetings will be held on Maui, Lāna'i, Moloka'i, and Hawai'i Island; please check the website for the specific schedule.

Comments can be submitted through October 9, 2012 via:

- Internet - <http://www.hawaiiicleanenergypeis.com>
- Email - hawaiiicleanenergypeis@ee.doe.gov
- Fax - (808) 541-2253, Attention: Hawai'i Clean Energy PEIS
- U.S. mail addressed to: Jim Spaeth, U.S. Department of Energy, 300 Ala Moana Blvd., P.O. Box 50247, Honolulu, HI 96850-0247



The Amended Notice of Intent and information about the 60-day public scoping period can be found at <http://www.hawaiiicleanenergypeis.com>



DOE-Hawai'i placed the following advertisement in the *Star Advertiser* on September 18, 2012.

U.S. Department of Energy
**HAWAI'I CLEAN ENERGY
PROGRAMMATIC ENVIRONMENTAL
IMPACT STATEMENT (PEIS)**



PUBLIC SCOPING MEETING
Thursday, September 20, 2012

James B. Castle High School • 45-386 Kaneohe Bay Drive, Kaneohe
5:00 pm – 8:30 pm

The U.S. Department of Energy (DOE) invites public comment on the scope of the Hawai'i Clean Energy PEIS, in which DOE proposes to develop guidance to use in future funding decisions and other actions to support Hawai'i in achieving its goal of 70% clean energy by 2030. The PEIS will analyze, at a programmatic level, the potential environmental impacts of activities in the categories of energy efficiency, distributed renewables, utility-scale renewables, alternative transportation fuels and modes, and electrical transmission and distribution.

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- Internet - <http://www.hawaiicleanenergypeis.com>
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- Fax - (808) 541-2253, Attention: Hawai'i Clean Energy PEIS
- U.S. mail addressed to: Jim Spaeth, U.S. Department of Energy, 300 Ala Moana Blvd., P.O. Box 50247, Honolulu, HI 96850-0247




The Amended Notice of Intent and information about the 60-day public scoping period can be found at <http://www.hawaiicleanenergypeis.com>




DOE- Hawai'i mailed the following postcard to the Hawai'i mailing list.

NOTICE OF PUBLIC SCOPING



The U.S. Department of Energy (DOE) and the State of Hawai'i have established a long-term partnership to transform the way in which renewable energy and energy efficiency resources are planned and used in the state. In 2010, DOE announced its intent to prepare a programmatic environmental impact statement (PEIS) with the State as a joint lead for wind energy development under the Hawai'i Interisland Renewable Energy Program (HIREP). In response to public comments, as well as regulatory and policy developments, DOE has broadened the scope of the PEIS to now include energy efficiency, distributed renewables, utility-scale renewables, alternative transportation fuels and modes, and electrical transmission and distribution.



DOE invites public comments on the revised scope of the PEIS, now called the Hawai'i Clean Energy PEIS. The State of Hawai'i and the U.S. Department of the Interior's Bureau of Ocean Energy Management (BOEM) are cooperating agencies in preparing this PEIS. DOE will hold eight public scoping meetings on six islands from September 11–20, 2012. The public is invited to attend and participate in these meetings. Meeting details, information about the PEIS, the Amended Notice of Intent, and instructions for commenting on the PEIS can be found on the following website:

<http://www.hawaiicleanenergypeis.com>

Notice about Past Action

The following Notice of Intent appeared in the *Federal Register* on December 14, 2010.

DEPARTMENT OF ENERGY

Notice of Intent To Prepare a Programmatic Environmental Impact Statement for the Hawai'i Interisland Renewable Energy Program: Wind (DOE/EIS-0459)

AGENCY: Department of Energy (DOE).

ACTION: Notice of intent to prepare a Programmatic Environmental Impact Statement (EIS).

SUMMARY: DOE announces its intention to prepare a Programmatic EIS with the State of Hawai'i as joint lead agencies pursuant to the National Environmental Policy Act (NEPA) of 1969 and the Hawai'i Environmental Policy Act. The Hawai'i Interisland Renewable Energy Program: Wind Programmatic Environmental Impact Statement (hereinafter referred to as the Hawai'i Wind EIS or the EIS) will assess the foreseeable environmental impacts which may arise from wind energy development under the Hawai'i Interisland Renewable Energy Program (HIREP). Hawai'i proposes to facilitate the development of wind-generated electric energy and the required improvements to the existing electric transmission infrastructure in Hawai'i. This EIS is the first phase of a programmatic environmental review of developing and increasing renewable energy technologies in Hawai'i.

DATES: The public scoping period starts with the publication of this Notice in the *Federal Register*. Comments on the

scope of the EIS should be submitted by March 1, 2011. Comments e-mailed or postmarked after that date will be considered to the extent practicable. DOE and Hawai'i will hold public scoping meetings in the first quarter of 2011. Dates will be announced in the *Federal Register*, on the DOE NEPA Web site at <http://www.nepa.energy.gov>, on the EIS Web site at <http://www.hirep-wind.com>, and in local media at least 15 days before each meeting.

ADDRESSES: DOE and Hawai'i will announce locations of scoping meetings as indicated in **DATES**. Send comments on the scope of the Hawai'i Wind EIS or a request to be added to the EIS distribution list:

- By e-mail to comments@hirep-wind.com.
- By submitting electronic comments on the EIS Web page at <http://www.hirep-wind.com>.
- By facsimile (fax) to 808-586-2536, Attention Allen G. Kam.

- By mail to Allen G. Kam, Esq., AICP, HIREP EIS Manager, State of Hawai'i, Department of Business, Economic Development and Tourism, Renewable Energy Branch, State Energy Office, P.O. Box 2359, Honolulu, HI 96804.

Information on the HIREP: Wind Phase is available at the EIS Web site at <http://www.hirep-wind.com>. This Notice of Intent, and the draft and final EIS when issued, also will be posted on the DOE NEPA Web site at <http://www.nepa.energy.gov>. These documents and additional materials relating to this EIS will be available at:

- Hawai'i State Library, 478 South King Street, Honolulu HI 96813.
- Lāna'i Public and School Library, 555 Fraser Ave, Lāna'i City, HI 96763.
- Wailuku Public Library, 251 High Street, Wailuku, HI 96793.
- Moloka'i Public Library, 15 Alamalama, Kaunakakai, HI 96748.
- Edwin H. Mo'okini Library, University of Hawai'i—Hilo, 200 West Kāwili Street, Hilo, HI 96720-4091.
- Kailua-Kona Public Library, 75-138 Hualālai Road, Kailua-Kona, HI 96740-1704.
- Lihu'e Public Library, 4344 Hardy Street, Lihu'e, HI 96766.
- DOE Freedom of Information Act Public Reading Room, 1000 Independence Avenue, SW., Washington, DC 20585.

FOR FURTHER INFORMATION CONTACT: For information on DOE's proposed action, contact Anthony J. Como, DOE NEPA Document Manager, Office of Electricity Delivery and Energy Reliability (OE-20), U.S. Department of Energy, 1000 Independence Avenue, SW.,

Washington, DC 20585; or at anthony.como@hq.doe.gov. For general information about the DOE NEPA process, contact Carol Borgstrom, Director, Office of NEPA Policy and Compliance (GC-54), U.S. Department of Energy, 1000 Independence Avenue, SW., Washington, DC 20585; or at 800-472-2756 or askNEPA@hq.doe.gov.

For information on the Hawai'i Interisland Renewable Energy Program, contact Mr. Allen G. Kam, Esq., AICP, HIREP EIS Manager, State of Hawai'i, Department of Business, Economic Development and Tourism, Renewable Energy Branch, State Energy Office, P.O. Box 2359, Honolulu, HI 96804; or at 808-587-9023 or hirep@dbedt.hawaii.gov.

SUPPLEMENTARY INFORMATION:

1. Background

Section 355 of the Energy Policy Act of 2005 (EPA) requires the Secretary of Energy to assess the economic implications of the dependence of the State of Hawai'i on oil as a principal source of energy, including the technical and economic feasibility of increasing the contribution of renewable energy resources for the generation of electricity on an island by island basis. Such an assessment is to include, among other factors, siting and facility configuration, the effects on utility system reliability, and environmental considerations. In furtherance of the provisions of section 355 of EPA, DOE and Hawai'i executed a Memorandum of Understanding (MOU) in January 2008 that established the Hawai'i Clean Energy Initiative (HCEI) and a long-term partnership between DOE and Hawai'i to implement the initiative. HCEI has a goal of providing 70 percent of the state's primary energy from clean energy sources by 2030 by replacing 40 percent of fossil fuel use with renewable energy and reducing energy consumption by 30 percent through energy efficiency measures. Of the alternative renewable energy sources available in Hawai'i—including wind, geothermal, solar, biomass, ocean thermal energy conversion, and wave—wind power has been identified as the most commercially available and economically viable option at the present time. The island of O'ahu, with 80 percent of the state's population, is the island with the greatest energy demand; however, the island does not contain sufficient renewable energy potential to meet the HCEI's goals. The islands of Maui, Lāna'i, and Moloka'i have the most abundant and viable wind resources of those islands closest to O'ahu. The analysis provided in the

O'ahu Wind Integration and Transmission Study (November 2010) (additional information at <http://www.nrel.gov/wind/systemsintegration/owits.html>), prepared by DOE's National Renewable Energy Laboratory, concluded that bringing 400 megawatts (MW) of wind-generated power to O'ahu via undersea cable (*i.e.*, the Hawai'i Interisland Wind Program) is technically feasible and should be considered an important part in reaching the HCEI's goals. Subsequent environmental reviews may address non-wind renewable technologies.

2. Environmental Review Process

The Hawai'i Wind EIS will be prepared pursuant to NEPA, as amended, the Council on Environmental Quality (CEQ) NEPA regulations (40 CFR parts 1500–1508), the DOE NEPA implementing procedures (10 CFR part 1021), and the Hawai'i Environmental Policy Act (Hawai'i Revised Statutes (HRS) chapter 343). The EIS will assess the potential environmental impacts from the development of wind generation facilities, the transmission required to deliver the wind-generated energy to O'ahu, and the required improvements to the existing electric transmission infrastructure on O'ahu. Because the proposed actions and alternatives may involve activities in floodplains and wetlands, the draft EIS may include a floodplain and wetland assessment prepared in accordance with 10 CFR part 1022. Compliance with Floodplain and Wetland Environmental Review Requirements. The proposed actions and alternatives will involve undersea transmission cables that will transect federal Outer Continental Shelf waters, where the Department of the Interior's Bureau of Ocean Energy Management, Regulation and Enforcement (BOEMRE) has exclusive authority over right-of-way grants for undersea renewable energy transmission cables.

DOE and Hawai'i invite agencies, Native Hawaiian and other organizations, and members of the public to participate in developing the scope of the EIS—that is, the proposed actions, the range of reasonable alternatives and environmental impacts and other issues to be considered—by submitting written comments and by participating in public scoping meetings that DOE and Hawai'i will conduct jointly. DOE and Hawai'i also invite those agencies with jurisdiction by law or special expertise to be cooperating agencies in EIS preparation.

3. DOE Purpose and Need for Agency Action and Proposed Action

DOE's purpose and need for agency action is to meet its obligations under section 355 of EPA and the 2008 MOU with Hawai'i to transform the way in which renewable energy and efficiency resources are planned and used in the State. DOE's proposed action is to work with and support Hawai'i in the implementation of the HCEI.

4. Hawai'i's Purpose and Need for State Action and Proposed Action

Hawai'i's purpose and need for action is to determine how to use its wind energy resources to meet the 2030 goals set forth in the HCEI. Hawai'i's proposed action is to facilitate renewable energy development that will be required for the State of Hawai'i to meet the HCEI renewable energy goals, including the development of wind resources on the islands of Maui, Lāna'i, and/or Moloka'i and the required improvements to the existing electric transmission infrastructure, including undersea cables to transmit renewable energy generation to O'ahu.

5. Alternatives

Alternatives to be analyzed in this EIS include the proposed action, which would provide for the implementation of an oversight program to develop up to 400 MW of wind energy on the Maui County islands of Maui, Lāna'i, and/or Moloka'i and transmission of that energy to O'ahu. A range of wind development projects could be pursued under the proposed action, and include varying power capacities and configurations among the islands, undersea cable corridors and routes, and locational criteria for landing sites (see www.hirep-wind.com for additional information including conceptual maps). The EIS will address scenarios under the proposed action that consider a programmatic approach to all wind energy deriving from a single island in Maui County (*i.e.*, Maui, Lāna'i, or Moloka'i) and all wind energy deriving from a combination of generation on two or more islands in Maui County, along with associated programmatic approaches to cable corridors and routes and landing site locations. The EIS will also analyze a no-action alternative.

6. Preliminary Identification of Environmental Issues

The EIS will evaluate the full range of potential environmental, social, cultural, and economic impacts associated with a proposed wind energy program encompassing the islands of Maui, Lāna'i and Moloka'i and use areas on O'ahu. The EIS also will include a

cultural impact assessment prepared in accordance with Hawai'i law, specifically Act 50, SLH 2000.

Impacts will be analyzed across a number of resource areas, including:

- Air quality (including climate change and greenhouse gas emissions).
- Water resources and drainage.
- Coastal zone resources.
- Geography, geology, and soils.
- Land and submerged land use.
- Threatened and endangered

species, special status species, and related sensitive resources such as the Hawaiian Islands Humpback Whale National Marine Sanctuary.

- Land transportation.
- Marine transportation and commerce.
- Airspace utilization.
- Public health and safety.
- Noise.
- Natural hazards.
- Hazardous materials.
- Accidents and intentional destructive acts.
- Cultural and historical resources.
- Recreational resources.
- Visual resources.
- Socioeconomic impacts, community services and infrastructure.
- Environmental justice considerations (disproportionately high and adverse impacts to minority and low income populations).
- Cumulative impacts (past, present, and reasonably foreseeable future actions).
- Irreversible and irretrievable commitments of resources.

The programmatic analysis will identify best management practices, outline regulatory procedures, address mitigation of environmental impacts and support the development of general guidance for major components of an interisland undersea cable energy grid for the transmission of wind energy.

7. Public Participation: Scoping, EIS Distribution, Schedule

As indicated in the **DATES** section, public scoping meetings will be conducted in early 2011. Each scoping meeting will be structured in two parts: first an informal "workshop" discussion period that will not be recorded, then a formal commenting session, which will be transcribed by a court stenographer. The meetings will provide interested parties the opportunity to view exhibits on the HIREP: Wind, ask questions, and submit comments orally or in writing. Representatives from DOE, Hawai'i, and any cooperating agencies will be available to answer questions and provide additional information to participants. Individuals who submit comments during the scoping process

will receive paper or electronic copies of the draft EIS, according to their preference. Persons who do not wish to submit comments or suggestions at this time, but would like to receive a copy of the draft EIS when it is issued should submit a request as provided in the **ADDRESSES** section and include their preference for a paper or electronic copy.

In preparing the draft EIS, DOE and Hawai'i will consider comments received during the scoping period. The agencies plan to issue the draft EIS by October 2011. After the agencies issue the draft EIS, the U.S. Environmental Protection Agency will publish a notice of availability of the draft EIS in the **Federal Register**, which will begin a minimum 45-day public comment period. In addition to and concurrent with this NOI publication in the **Federal Register**, the State of Hawai'i is preparing a state-level environmental review notice. That notice along with this NOI will be published in the State of Hawai'i Environmental Notice consistent with all state requirements.

The agencies will announce how to comment on the draft EIS and will hold public hearings during the public comment period, but no sooner than 15 days after the notice of availability is published. In preparing the final EIS, the agencies will respond to comments received on the draft EIS. The agencies plan to issue the final EIS by April 2012. No sooner than 60 days after the Environmental Protection Agency publishes a Notice of Availability of the final EIS, DOE and Hawai'i will each issue its Record of Decision regarding their actions considered in the EIS.

Issued in Washington, DC, on December 8, 2010.

Patricia A. Hoffman,

Assistant Secretary, Office of Electricity Delivery and Energy Reliability.

[FR Doc. 2010-31310 Filed 12-13-10; 8:45 am]

BILLING CODE 6450-01-P



APPENDIX B

Distribution List

DISTRIBUTION LIST

DOE provided electronic copy (CD-ROM) of this Hawai'i Clean Energy PEIS to Federal, State, and county elected and appointed government officials and agencies as well as libraries throughout the State of Hawai'i and the DOE Freedom of Information Act Reading Room. As it did with the Draft PEIS, DOE sent email notice of availability of the Final PEIS to the same mailing list that received such notice about the Draft PEIS. That is, DOE sent email notice to individuals who had previously signed up to receive a copy of the Draft PEIS, those who had provided an email address at a public scoping meeting held September 2012, requests received through the Hawai'i Clean Energy PEIS online mailing list application, via direct email to the PEIS email address, or through personal communication with a project representative. In addition, DOE sent email notification of availability of the Final PEIS to those individuals who requested and provided an email address at a public hearing held May 2014. For those individuals who requested notification but who provided only a postal mailing address, DOE sent the same notice of available through the U.S. postal service.

DOE will provide copies of the Final PEIS upon request and has made it available online at the Hawai'i Clean Energy PEIS Website (<http://www.hawaiicleanenergyPEIS.com>) and on the DOE NEPA Website (<http://energy.gov/nepa/eis-0459-hawaii-clean-energy-programmatic-environmental-impact-statement>).

U.S. Senate for the State of Hawai'i

Mazie Hirono
Brian Schatz

U.S. Senate Committees

Thad Cochran, Chairman, Committee on Appropriations
Barbara Mikulski, Vice Chairwoman, Committee on Appropriations
Lisa Murkowski, Chairman, Committee on Energy and Natural Resources
Maria Cantwell, Ranking Member, Committee on Energy and Natural Resources
Jim Inhofe, Chairman, Committee on Environment and Public Works
Barbara Boxer, Ranking Member, Committee on Environment and Public Works, and Ranking Member, Subcommittee on Transportation and Infrastructure, Committee on Environment and Public Works
Mike Rounds, Chairman, Subcommittee on Superfund, Waste Management, and Regulatory Oversight, Committee on Environment and Public Works
Edward Markey, Ranking Member, Subcommittee on Superfund, Waste Management, and Regulatory Oversight, Committee on Environment and Public Works
David Vitter, Chairman, Subcommittee on Transportation and Infrastructure, Committee on Environment and Public Works
Dan Sullivan, Chairman, Subcommittee on Fisheries, Water, and Wildlife, Committee on Environment and Public Works
Sheldon Whitehouse, Ranking Member, Subcommittee on Fisheries, Water, and Wildlife, Committee on Environment and Public Works

U.S. House of Representatives for the State of Hawai'i

Mark Takai
Tulsi Gabbard

U.S. House of Representatives Committees

K. Michael Conaway, Chairman, Committee on Agriculture
Collin C. Peterson, Ranking Member, Committee on Agriculture
Glenn Thompson, Chairman, Subcommittee on Conservation and Forestry, Committee on Agriculture

Michelle Lujan Grisham, Ranking Member, Subcommittee on Conservation and Forestry, Committee on Agriculture
 Hal Rogers, Chairman, Committee on Appropriations
 Nita Lowey, Ranking Member, Committee on Appropriations
 Fred Upton, Chairman, Energy and Commerce Committee
 Marsha Blackburn, Vice Chairman, Energy and Commerce Committee
 John Shimkus, Chairman, Subcommittee on Environment and the Economy, Energy and Commerce Committee
 Paul Tonko, Ranking Member, Subcommittee on Environment and the Economy, Energy and Commerce Committee
 Rob Bishop, Chairman, Committee on Natural Resources
 Raul Grijalva, Ranking Member, Committee on Natural Resources
 Doug Lamborn, Chairman, Subcommittee on Energy and Mineral Resources, Committee on Natural Resources
 Alan Lowenthal, Ranking Member, Subcommittee on Energy and Mineral Resources, Committee on Natural Resources
 Josh Fleming, Chairman, Subcommittee on Water, Power, and Oceans, Committee on Natural Resources
 Jared Huffman, Ranking Member, Subcommittee on Water, Power, and Oceans, Committee on Natural Resources
 Tom McClintock Chairman, Subcommittee on Federal Lands, Committee on Natural Resources
 Niki Tsongas, Ranking Member, Subcommittee on Federal Lands Committee on Natural Resources
 Bill Shuster, Chairman, Committee on Transportation and Infrastructure
 Peter DeFazio, Ranking Member, Committee on Transportation and Infrastructure
 Bob Gibbs, Chairman, Subcommittee on Water Resources and Environment, Committee on Transportation and Infrastructure
 Grace Napolitano, Ranking Member, Subcommittee on Water Resources and Environment, Committee on Transportation and Infrastructure

Federal Agencies

Zach Church, National Park Service, Department of the Interior	Dr. Richard Ferrera, U.S. Geological Survey, Department of the Interior
M. Melia Lane-Kamahele, National Park Service, Department of the Interior	Mark Eckenrode, Bureau of Ocean Energy Management, Department of the Interior
Dr. Cynthia Stiles, Natural Resources Conservation Service, U.S. Department of Agriculture	Dr. Sue Goodfellow, U.S. Marine Corps, Department of Defense
Dr. Gregory Koob, Natural Resources Conservation Service, U.S. Department of Agriculture	Nicole Griffin, U.S. Marine Corps, Department of Defense
Ann McPherson, U.S. Environmental Protection Agency Region 9	Mr. John Muraoka, Department of the Navy, Department of Defense
Scott Sysum, U.S. Environmental Protection Agency Region 9	Ms. Karen Foskey, Department of the Navy, Department of Defense
Colin F. Williams, Ph.D., U.S. Geological Survey, Department of the Interior	David Suomi, Federal Aviation Administration
	Dan Clark, U.S. Fish and Wildlife Service, Department of the Interior

Domingo Cravalho, U.S. Fish and Wildlife Service, Department of the Interior

Patrice Ashfield, U.S. Fish and Wildlife Service, Department of the Interior

Dawn Greenlee, U.S. Fish and Wildlife Service, Department of the Interior

Dan Polhemus, U.S. Fish and Wildlife Service, Department of the Interior

Kevin Foster, U.S. Fish and Wildlife Service, Department of the Interior

Lee Webb, Advisory Council on Historic Preservation

Charlene Vaughn, Advisory Council on Historic Preservation

Mr. Mark Plank, Rural Utilities Service, U.S. Department of Agriculture

Mr. Steve Kokkinakis, National Oceanic and Atmospheric Administration, Department of Commerce

Hawai'i Governor

David Ige

Hawai'i State Senators

Gilbert Kahele, District 1
 Russel E. Ruderman, District 2
 Josh Green, District 3
 Lorraine R. Inouye, District 4
 Gilbert Keith-Agaran District 5
 Rosalyn H. Baker, District 6
 J. Kalani English, District 7
 Ronald D. Kouchi, District 8
 Sam Slom, District 9
 Les Ihara, Jr., District 10
 Brian T. Taniguchi, District 11
 Brickwood Galuteria, District 12
 Suzanne Chun Oakland, District 13
 Donna Mercado Kim, District 14
 Glenn Wakai, District 15
 Breene Harimoto, District 16
 Clarence K. Nishihara, District 17
 Michelle N. Kidani, District 18
 Will Espero, District 19

Mike Gabbard, District 20
 Maile S.L. Shimabukuro, District 21
 Donovan M. Dela Cruz, District 22
 Gil Riviere, District 23
 Jill N. Tokuda, District 24
 Laura H. Thielen, District 25

Hawai'i State Representatives

Mark M. Nakashima, District 1
 Clift, Tsuji, District 2
 Richard H.K. Onishi, District 3
 Joy A. San Buenaventura, District 4
 Richard Creagan, District 5
 Nicole E. Lowen, District 6
 Cindy Evans, District 7
 Joseph M. Souki, District 8
 Justin H. Woodson, District 9
 Angus L.K. McKelvey, District 10
 Kaniela Ing, District 11
 Kyle T. Yamashita, District 12
 Lynn DeCoite, District 13
 Derek S.K. Kawakami, District 14
 James Kunane Tokioka, District 15
 Dee Morikawa, District 16
 Gene Ward, District 17
 Mark J. Hashem, District 18
 Bertrand Kobayashi, District 19
 Calvin K.Y. Say, District 20
 Scott Y. Nishimoto, District 21
 Tom Brower, District 22
 Isaac W. Choy, District 23
 Della Au Belatti, District 24
 Sylvia Luke, District 25
 Scott K. Saiki, District 26
 Takashi Ohno, District 27
 John M. Mizuno, District 28
 Karl Rhoads, District 29
 Romy M. Cachola, District 30
 Aaron Ling Johanson, District 31
 Linda Ichiyama, District 32
 Sam Satoru Kong, District 33
 Gregg Takayama, District 34
 Roy M. Takumi, District 35
 Beth Fukumoto Chang, District 36
 Ryan I. Yamane, District 37
 Henry J.C. Aquino, District 38
 Ty J.K. Cullen, District 39
 Bob McDermott, District 40
 Matthew S. LoPresti, District 41
 Sharon E. Har, District 42
 Andria Tupola, District 43

Jo Jordan, District 44

Lauren Matsumoto, District 45

Marcus R. Oshiro, District 46

Feki Pauha, District 47

Jarrett Keohokalole, District 48

Ken Ito, District 49

Cynthia Thielen, District 50

Chris Lee, District 51

Hawai'i State Agencies

Veronica Rocha, State of Hawai'i, Department of Business, Economic Development and Tourism

Mark Glick, State of Hawai'i, Department of Business, Economic Development and Tourism

Jesse K. Souki, Department of Business, Economic Development and Tourism

Glenn Okimoto, Director, Office of Planning, State of Hawai'i, Department of Transportation

Dr. Kamana'opono Crabbe, Ka Pouhana Chief Executive Officer, Office of Hawaiian Affairs

Samuel J. Lemmo, Administrator, Office of Conservation and Coastal Lands, Department of Land and Natural Resources

Carty Chang, P.E., Chief Engineer, Engineering Division, Department of Land and Natural Resources

Alan Downer, Administrator, State Historic Preservation Division, Department of Land and Natural Resources

Theresa Donham, Archaeology Branch Chief/Deputy State Historic Preservation Office, State Historic Preservation Division, Department of Land and Natural Resources

Frazer McGilvray Administrator, Division of Aquatic Resources, Department of Land and Natural Resources

Ed Underwood, Administrator, Division of Boating and Ocean Recreation, Department of Land and Natural Resources

Lisa Hadway, Administrator, Division of Forestry and Wildlife, Department of Land and Natural Resources

Russell Y. Tsuji, Administrator, Land Division, Department of Land and Natural Resources

Wildlife Program Endangered Species Recovery Committee, Division of Forestry and Wildlife, Department of Land and Natural Resources

Natural Area Reserves Commission, Natural Area Reserves System, Department of Land and Natural Resources

Hawai'i Historic Places Review Board, State Historic Preservation Division, Department of Land and Natural Resources

Island Burial Councils, State Historic Preservation Division, Department of Land and Natural Resources

The Commission on Water Resource Management, President and Chief Executive Officer, Department of Land and Natural Resources

Jobie Masagatani, Chair, Hawaiian Home Lands Commission, Department of Hawaiian Home Lands

Linda M. Rosen, M.D., M.P.H., Director, Hawai'i State Department of Health

Alec Wong, P.E, Chief, Clean Water Branch, Hawai'i State Department of Health

Russell Takata, Branch Manager, Indoor and Radiological Health, Hawai'i State Department of Health

Ted Sakai, Director, Department of Public Safety

Tony Benabese, Manager of Boards and Commissions, State of Hawai‘i Boards and Commissions

Laverne R. Omori, Director, Department of Research and Development, County of Hawai‘i

Genevieve Salmonson, Acting Interim Director, Office of Environmental Quality Control

Anna Foust, Emergency Management Officer, Civil Defense Agency, County of Maui

Mike McCartney, Hawai‘i Tourism Authority

Kyle Ginoza, Director, Environmental Management, County of Maui

Kaho‘olawe Island Reserve Commission

Kalvin K. Kobayashi, Energy Coordinator, Energy Management Program, County of Maui

Public Land Development Corporation

Mayors

Kirk Caldwell, City and County of Honolulu

William Spence, Director, Planning Department, County of Maui

William P. Kenoi, County of Hawai‘i

Alan Arakawa, County of Maui

Bernard P. Carvalho, Jr., County of Kaua‘i

David Goode, Director, Department of Public Works, County of Maui

County Government

Melvin N. Kaku, Director, Department of Emergency Management, City and County of Honolulu

County of Kaua‘i Department of Economic Development

Chris T. Takashige, P.E., Director, Department of Design and Construction, City and County of Honolulu

County of Kaua‘i Department of Planning
County of Kaua‘i Department of Public Works
County of Kaua‘i Civil Defense Agency

Lori M. K. Kahikina, P.E., Director, Department of Environmental Services, City and County of Honolulu

Other Organizations

Western Interstate Energy Board
American Bird Conservancy
Gas Technology Institute
Institute for Energy and Environmental Research
The Minnesota Project
Renewable Fuels Association
Union of Concerned Scientists
Western Resource Advocates
I Aloha Molokai (IAM)
Hawai‘i Natural Energy Institute
Aha Kiole
American Academy of Environmental Medicine
American Bird Conservancy
Apex Wind Energy
Babes Against Biotech
Castle & Cooke Hawai‘i
Denizen
Friends of Lana‘i
Greenpeace
Hawaiian Electric
Hawai‘i’s Thousand Friends
Hui Ho‘omalauika ‘Aina
Indigenous Consultants

Toni P. Robinson, Director, Department of Parks and Recreation, City and County of Honolulu

George I. Atta, FAICP, LEED AP, CEI, Director, Department of Planning and Permitting, City and County of Honolulu

Michael D. Formby, Director, Department of Transportation Services, City and County of Honolulu

B.J. Leithead Todd, Director, Department of Environmental Management, County of Hawai‘i

Warren H. W. Lee, P.E., Director, Department of Public Works, County of Hawai‘i

Innovations Development Group (IDG)
 Island Naturals Markets
 IslandBreath.org
 Ke Nani Kai Home Owners Assoc.
 Kūpaʻa no Lānaʻi
 Lānaʻi Aina
 Life of the Land
 Maui Economic Development Board
 Maui Electric
 Maui Nui Seabird Recovery Program
 Maui Tomorrow Foundation, Inc.
 Molokai Sustainable Farm Project
 Native Hawaiian Legal Corp
 NextEra Energy Resources, LLC
 Pacific Light & Power, Inc.
 Pele Defense Fund
 Polestar Gardens
 Puna Pono Alliance
 Sierra Club Hawaiʻi chapter
 The Environmental Caucus of the Democratic
 Party of Hawaiʻi
 The Permaculture Foundation of Hawaiʻi
 The WisdomWay Center
 ThinkTech Hawaiʻi
 West Molokai Association (WMA)
 Women Occupy
 www.WeAreOne.cc

Individuals

Aaron Delbex Smith
 Aaron Manuel
 Acloph Helm
 Adley Deutsch
 Adrh Mep
 Adria Marin
 Adriana Naranjo
 Alan Lennard
 Alan S. Lloyd
 Alan Miller
 Alberta de Jetley
 Alden Jackson
 Aldric Ulep
 Alex Karp
 Alison Rieser
 Alofa Olomua
 Alyssa Persau
 Ami Sanchez
 Amy Kimun
 Amy Mortier
 Andrea Rosanoff
 Andrew Wessels

Anita Hallard
 Anita Taederas
 Anne Yamamt
 Anne Crilly
 Anuhea Fengan-Bush
 Arley Deutsch
 Artice Swingle
 Asa Hew
 Ashley Kierkiewicz
 Asia Yeary
 Aurora Martinovich
 Aurora Winslade
 Aydee Zielke
 Barbara Dalton
 Barbara Kahn-Langer
 Barbara Natale
 Barbara Tofte
 Barney Elders
 Barry Mark
 Ben Shafer
 Ben Sullivan
 Benjamin Baron-Taltre
 Bettye Williams
 Beverly Ferguson
 Beverly Zigmond
 Beverly Frederick
 Bill Collins
 Bill Smith
 Bill Steiner
 Bob Ernst
 Bonnie Coffman
 Brad Kurokawa
 Brenda Edin
 Brenda Ford
 Brian Tucker
 Bridget A Moniat
 BronsonSilva
 Bruce Carey
 Bruce Harvey
 Bryan Law
 Bryan Sarasia
 Bryan Etrata
 Butch Gima
 C. Conda
 C. Vankeeken
 Calvin Sandker
 Camen Hookano
 Capp Caparida
 Carleton Ching
 Carley Fonville
 Carl Caliboso

Appendix B

Carlton Saito	Deborah Ward
Carol Ahtoog	Deborah de la Cruz
Carol Bain	Debra Thiel
Carol Desha Truman	Debra Greene
Carole Kaapu	Dena Smith Givens
Caroline Carl	Denise Snyder
Catherine Cluett	Denise Fernandez
Chama Cascade	Dennis Tasaka
Chanel	Derec Kanananee
Chanterrelle Chantara	Deseree Hughes
Charley Ice	Diana Shaw
Charlotte Menze	Diane Preza
Chavis Cabanting	Dick Mayer
Cheryl Corbiell	Dixie Kaetsu
Chester Koga	Doddie Loo
Chris Richardson	Dominic Marks H.P.V.
Chris Kaiser	Dominique Pagay
Chris Mentzel	Dominique Pajot
Christian Etreta	Don Petty
Christian Reynolds	Donald Thomas
Christine Costales	Donald H. Pelekai, Jr
Christopher Biltoft	Donald Wessels
Cindy McMillan	Donna Fischer
Cindy Heberton	Donna Willoughby
Clark Robinson	Donna Mizuba
Clay Rumbaoa	Doran Vaughan
Colette Y. Machado	Doug Ortow
Connie Clausen	Doug McLeod
Connie Chow	Doug Rogers
Cory Harden	Douglas Lorn
D. Kaliko Santos	Duane Likens
Dan Dantin	Dylan Johnson
Daniel Cunningham	Earlee Gouvein
Daniel Cooper	Ed Coll
Daniele Spirandeu	Eileen Bartley
Danielle Foster	Elaine Callinan
Danny Hashimoto	Elaine Dunbar
Danny Li	Elaine Munro
Daria Shaw	Eleanor Behahlea
Darlene Heil	Emillia Noordhoek
Darlene Toth	Emma Velasco
Davianna McGregor	Erike Espaniola
David Anderson	Erin Mukai
David Bettencourt	Erin Wallin
David Jung	Erin Wooldridge
David Kangas	Erryel Tolentino
David Leonard	Everett Pierce
David Mattice	F. Buckley Lofton
David Raatz	Fairfax Reilly
David Tarnas	Faye Hanohano
Dean Av	Flora Jumawan

Appendix B

Fran & Glen Calvert	Imuu Mawae
Francis Ebding	Ingoar Larssan
Frank De Rego, Jr.	Irene Kaahanili
Frankie Stapleton	Isaac Belez
G. Francis & Janice Dauw	Isaac Hall
Gaby Bapsotti	Ivy Young
Gail Cupples	Jacob Bero
Gail Frita	Jacob Kamhis
Gail Lloyd	Jacob Spencer
Gale Perez	Jahnava Baldassarre
Gary Lani Marteau	James Brown
Gary Sazala	James Espaniola
Gary Zamber	James Feldman
Gaudharsa Mahiuer Hou Ross	James Grazziu
Gayliau Kaho'ohalahala Jr.	James Hedgecock
Geoff Last	James Hkata
Geoff Shaw	James Macey
George Neitr	James Melcher
George K.	James Nakama
Gerald Sumida	Jane Whitefield
Gesa Geissler	Janeel Hew
Gil Riviere	Janet Murray
Glenn Pinho	Janet Taylor
Glenn Sato	Janice Hill
George & Pat Benda	Jason Arnold
Graham Ellis	Jason Bero, Sr.
Gregory Kahn	Jay Ryan Ballesteros
Greg Smith	Jean Olson
Gundi	Jeanne Skog
Guy Kailukulaui	Jecktopher Renze
Gwen Hiraga	Jeff LaFrancz
Hailey Johnson	Jeff Merz
Halda Zsoltima	Jeff Ono
Hanalei Fergerstrom	Jeffrey Dickinson
Harry Devera	Jennifer Barrett
Haunani Pacheco	Jennifer Chirico
Hawaiiloa Mowat	Jennifer Wu
Heather Barone	Jennifer Zane
Henry Palma	Jeremy Lutes
Henry Horton	Jeremy Horan
Henry & Rachel Kaholokula	Jerome Simons
Henry Curtis	Jerome Yasuhara
Henry Koja	Jerry Wright
Henry Palma	Jesse Souki
Herbert Pierce	Jessica Myers
Hershel Hood	Jessica Dozier
Hugh Baker	Jestonie Rocina
Ian Angelo P. Ruaburo	Jill Mulholland
Ibacka Hussey	Jill Sims
Ike Payne	Jim Albertini
Iman Nasser	Jim Kelly

Appendix B

Jim McRae	Kalaniua Ritte
Jim Wood	Kalei Ropa
Jimmy Davauchelle	Kaliko Santos
Joana Varawa	Kanakani Palolo
JoAnn Inamasu	Kanea K. Haaka
Joann Tool	Kanoe Davis
Joann Yukimura	Kanohawailuiw
Jody Allione	Kanoho Helm
Joe Breman	Kapua Lavifi
Joe Smith	The Kaopuki Family
John Buckstead	Karen Joao
John Duey	Karla Mae Calso
John de la Cruz	Kasey Sabir
John Floyd	Kat Brady
John Garcia	Katarina Culina
John Goese	Kathie Flynn
John Harrison	Kathleen Viernes
John Jones	Kathy Brindo
John Kelly	Kathy Carroll
John Luuwai	Katty Spitalsky
John Ornellas	Kay Fukunaga
John Ota	Kay Okamoto
John Schaumburg	Kayleen Kamela
John Strom	Keala Kaopuiki-Santos
John Stubbart	Kealii Pang
John Wordin	Kealoha Kahananui
Johnathan McGarry	Keani Acasie
Jolie Signore	Keau Ross
Jon Crowell	Keith Aoki
Jon Itomura	Kekoa Kaluhiwa
Jon Olson	Kelli Gima
Jon David McPherson	Kelly King
Jon Woodhouse	Kelly O'Brien
Jonathan Kissida	Kelson Poepoe
Jonathan Mitchell	Ken Bare
Jonathan Staff	Ken Hunt
Jorge Molina	Ken Taylor
Joseph Kalipi	Kenneth Yamamura
Josephine Keliipio	Kepaj Araora Maly
Joy Jacobs	Keri Clark
Joyce Foley	Kerri Marks
Joyce Kainoa	Kevin B. Brown
Juanita Hulu	Kevin B. Patterson
Juce Kamaicana	Kiani Yasak
Judith Mura	Kim Haueisen
Judy Caparida	Kimo McPherson
Julia Graham	Kimo Sutton
Julie-Ann Cachola	Koichi Hiraoka
Justin Cabanting	Kolen Faye Taal
Kahina Keauiana	Kristen O'Guin
Kaiulani Sodaro	Kristin Stahl-Johnson

Appendix B

Kurt Fonoimoana	Malt Richards
Kwaloha Hooper	Marc Pader
L.V. Kelly	Marcus Helm
Lamberto Carlos	Margaret Dalzell
Lana Williams	Margaret Furze
Lance Anderson	Maria Steele
Lance Duncan	Marilyn Teague
Lance Holter	Marilyn Axtell
Lani Johnson	Marilyn Burke
Larry Gering	Marilyn Teague
Larry Sellers	Marj Dente
Larry Tool	Marjorie Lewis
Larry Weick	Mark Enomoto
Laura Travis	Markus Koep
Laurel Brier	Marni Herkus
Lauren Tonokawa	Martha Evans
Lehua Kauhane	Martin Blackwell
Leialoha Kaleihini	Mary Fleming
Leimaha Ritte-Camera	Mary A. Guinger
Leimana Peltoh	Mary Miller
Leimomi Detillion	Mary Porter
Leinani Zablan	Matt Kawasaki
Les Wiley	Matthew Mano
Leslie Kahihikolo	Matthew Yarberry
Lester Wond	Max Caro
Liana Brunnest	Max Quinney
Liko Wallace	Mayor Billy Kono
Lillian Fiaker	Mealani Adler
Linda Lyerly	Melanie Stephous
Linda Sherman	Melissa Thayer
Ling Ong	Melvin Catiel
Lisa Bail	Micah Fisher
Lisa Galloway	Micah Peyron
Lisa Hilduik	Michael Fry
Lisa Hiraoka	Michael Hollinger
Lisa Mitchell	Michael Hyson
Lorraine Akiba	Michael Jones
Lorry Cornish	Michael Angelo Leone
Lowell Chun	Michael Snyder
Lucy Gaceta	Mikayla Tergan
Luella Crutcher	Mike Bond
Luigi Manera	Mike Champley
Luwella Leonardi	Mike DeWeert
Lynn Duggan	Mike Kaleikini
Lynn McCrory	Mike Shaw
Mahina Martin	Mike Tahmoush
Maia Wolf	Mike Thomas
Maka'ala Ka'aumoana	Moankeala Akaka
Makaua	Molly McLaughlin
Makoto Smith	Momi G. Suzuki
Malcolm Mackly	Monica Cockett

Appendix B

Mouni Melcher	Prasad
Myron Akuragawa	Priscilla Ligh
Nader "Nanao" Parsia	Pua Brown
Nadine Robertson	Punena Ahn
Nadiz Linda	Rachel Kaho'ohalahala
Nancy Ravello	RafaSelvasje
Nancy Hudak	Rafa Selvas
Nancy McPherson	Regina Gregory
Nanea Kalani	Reza Morin-Dayani
Nanette Dancil	Richard Bidleman
Napualani Young	Richard Ha
Nara Jirik	Richard Mealey
Nataan Kanakahi	Richard Ellerbertsen
Neal Chantara	Richard Bidleman
Nicole Ferguson	Richard Holder
Nicole Walter	Rick Yarde
Noelani Kalipi	Rita Woods
Nola Bash	Robert Harris
Nomi Carmona	Robert Patricci
Nonie Toledo	Robert Ray
Nyle Wolf	Robin Worley
Nyssa Kushi	Robin Kaye
Ohua Movando	Rodney Ryugo
Ole'	Roger Welch
Oliver Yauhg	Ron Schranz
Orrin Kupau	Ron McOmber
Pace Kaneshige	Ronald Hagman
Page Else	Ronald Fujiyoshi
Pamela Miller	Ronald Negauo (Mr. & Mrs.)
Paris Latka	Rory Frampton
Pat Gegen	Roselani Kaho'ohalahala
Pat Reilly	Roselle Kamaile
Patricia Crandall	Rosemary Robbins
Patricia Spinoza	Rosemary Slarauolt
Patrick Jones	Ross Wilson
Paul Fischer	Ross Anmetta
Paul Komara, Jr.	Row McOmber
Paul Mullin	Roxanne Catiel
Paul Kuykendall	Roxanne Sarone
Paul Luersen	Roxanne Surmelka
Pauline Benanua	Ruckeo Kelato
Peggy Lucas Bond	Russ Robinson
Peter Sanzenbacher	Russell Jones
PF Bentley	Russell Ruderman
Phil Barnes	Ruth Aspen
Phillip Kissinger	Ryan Auyoung
Phillip Sowers	S Manley
Pierce Myers	Sally Kaye
Piikea Hanaoka	Sam Dimaya
Polli Oliver	Sam Hulu
Pono Shim	Sandi Rabaca

Appendix B

Sandra Carolan	Todd Tolkinen
Sara Steiner	Tom Travis
Sarah Wavereh	Tony Knowles
Scott Higa	Tor Chantara
Scott Peterson	Travis Schnon
Scott Sysum	Trevor Sarme
Seair L. Ellis	Trina Meinsen
Sean Cash	Tulsey
Sean Lester	Udella Myers
Shahin Ansari	Ulrich Bonne
Sharah Myers	Victor Reyes
Sharca Marley	Vincent Calemme
Sherilyn Wee	Waipot Purdy
Sherri Mora	Walter Barnes
Sherri Mora	Walter Enomoo
Shirley Alapa	Walter Ritte, Jr.
Shosanah Chantara	Warren Osako
Sol Kahooalahala	Wendy Wiltse
Sophie Cooke	Wes Wada
Stacie Koanuinefalar	Will Rolston
Staggart14 (email address)	William Georg
Stamati Stamatoo	William Brater
Stan Ruidas	William Vogt
Stephen Yo	William Davis
Stephen Tomlanovich	William & Mary Fioventino
Steve Bohlert	William Denham
Steve Burns	William Higa
Steve Campbell	Wilma Koep
Steve Holmes	Wilton Ching
Steve Sparks	Winifred Basques
Steven Bradshaw	Wynnie Hee
Steven Fly	Yasuhito Shioiza
Steven Jacquier	Yvette Taylor
Sue Hollins	Zane de la Cruz
Susan Carstenn	Zendo Kern
Susan Osako	
Susan Wells Fischer	
Suzanna Dyerly	
Suzanne Wakelin	
T. Laloe	
Tamara Dorman	
Tanya & Mark Donohoo	
Tanya Johnson	
Taryn Waros	
Terry Kamen	
Thanachir Khofakklang	
Thom Randle	
Thomas Pascual	
Tiana Merino	
Tim Brunnert	
Toby Hazel	

Public Reading Room and Libraries

Ms. Diana P. Ngo
U.S. Department of Energy
Freedom of Information Act Reading Room
1000 Independence Avenue, SW
Washington, D.C. 20585-0001
(202) 586-5955

Hawai'i State Library
478 S. King Street
Honolulu, HI 96813

Hilo Public Library
300 Waianuenue Avenue
Hilo, HI 96720

Kailua-Kona Public Library
75-138 Hualalai Road
Kailua-Kona, HI 96740

Kāne'ōhe Public Library
45-829 Kamehameha Highway
Kāne'ōhe, HI 96744

Lāna'i Public and School Library
555 Fraser Avenue
Lāna'i City, HI 96763

Lihu'e Public Library
4344 Hardy Street
Lihu'e, HI 96766

Molokai Public Library
15 Ala Malama Avenue
Kaunakakai, HI 96748

Wailuku Public Library
251 High Street
Wailuku, HI 96793



APPENDIX C

List of Preparers

LIST OF PREPARERS

This appendix lists the individuals and organizations that filled primary roles in the preparation of this *Hawai‘i Clean Energy Programmatic Environmental Impact Statement* (DOE/EIS-0459; Hawai‘i Clean Energy PEIS). Dr. Jane Summerson of the U.S. Department of Energy (DOE) was the federal National Environmental Policy Act (NEPA) Document Manager and directed the preparation of this document. The Hawai‘i Clean Energy PEIS contractor team was led by New West Technologies LLC through contracts with DOE and the State of Hawai‘i. New West was assisted by JAD Environmental LLC and Rivers Consulting (for the Final PEIS), which provided project management, public participation, and technical assistance support. The PEIS contractor team was led by Joe Rivers of Rivers Consulting.

DOE provided direction to the PEIS contractor team, which was responsible for developing the analytical methodology and alternatives, coordinating the work tasks, collecting the required data, performing the impact analyses, and producing the document. DOE was responsible for data quality, the scope and content of the PEIS, and issue resolution.

Pursuant to the Council on Environmental Quality (CEQ) regulations that implement NEPA, DOE invited agencies that could have jurisdiction by law or special expertise with respect to any environmental issue to be addressed in the PEIS (40 CFR 1501.6) to be involved with its preparation as cooperating agencies. Eight of those agencies agreed to participate as cooperating agencies: State of Hawai‘i, Department of Business, Economic Development, and Tourism; two bureaus within the Department of the Interior (Bureau of Ocean Energy Management and National Park Service); U.S. Department of Agriculture, Natural Resources Conservation Service; U.S. Department of Transportation, Federal Aviation Administration, Western-Pacific Region; two bureaus within the Department of Defense (U.S. Marine Corps and Navy); and U.S. Environment Protection Agency, Region 9.

As the lead agency, DOE used the analyses and proposals of the cooperating agencies to the maximum extent possible consistent with its responsibility. Accordingly, cooperating agencies accepted obligations to contribute staff to the PEIS team, developed and reviewed analyses for which they have particular expertise, and funded their own participation. Ultimately, DOE retained the responsibility for determining the appropriateness and adequacy of incorporating any data, analyses, and results of other work by these organizations for this PEIS. The PEIS contractor team was responsible for integrating such work in the document.

As required by Federal regulations [40 CFR 1506.5(c)], New West, JAD Environmental, and Rivers Consulting signed NEPA Disclosure Statements in relation to the work they performed on this PEIS. These statements are included at the end of the table.

List of Preparers

Name	Education	Experience	Project Responsibilities
U.S. Department of Energy			
Jane Summerson DOE	<ul style="list-style-type: none"> • Ph.D., Geology • M.S., Geobiology • M.A., Anthropology • B.A, Anthropology 	<ul style="list-style-type: none"> • 14 years of experience as a DOE NEPA Compliance Office and NEPA Document Manager • 20 years of DOE project management experience 	NEPA Document Manager
Contractor Team Management			
Faith Klareich New West	<ul style="list-style-type: none"> • Graduate Studies, Energy and Technology Management • B.A., International Affairs 	<ul style="list-style-type: none"> • Over 25 years of experience in the management of environmental and clean energy programs. 	New West Contract Executive
Laura Fabeny New West	<ul style="list-style-type: none"> • PMP Certification, 2010 • M.B.A., Business Administration, 2007 • B.B.A., Marketing, 1998 	<ul style="list-style-type: none"> • 14 years of project management experience including NEPA environmental assessments and impact statements 	Administrative Project Manager
Joe Rivers Rivers Consulting	<ul style="list-style-type: none"> • B.S., Mechanical Engineering, 1982 • Engineering Science and Mechanics post-graduate work 	<ul style="list-style-type: none"> • 30 years of experience in commercial and DOE nuclear projects, NEPA and regulatory compliance, systems engineering, and safety analysis 	Document Project Manager
Ernie Harr JAD Environmental	<ul style="list-style-type: none"> • B.S., Zoology, 1977 	<ul style="list-style-type: none"> • 30 years of experience successfully managing DOE NEPA evaluations • Successfully managed numerous large multi-corporate teams using the virtual office concept 	Deputy Project Manager Energy Conservation Photovoltaic Health and Safety
Ben Henderson New West	<ul style="list-style-type: none"> • Post-graduate Research in Geography, 2010 • Master of Urban and Regional Planning, 2005 • B.S., Biology, 2001 	<ul style="list-style-type: none"> • 10 years of environmental planning experience, including NEPA 	Technical Coordinator (Final PEIS) Comment Response Document
Joanne Stover New West	<ul style="list-style-type: none"> • B.S., Business Administration, 1997 	<ul style="list-style-type: none"> • 23 years of experience in the cradle-to-grave production of technical reports • 8 years of experience editing and producing NEPA documents, including preparing administrative records 	Technical Editor Document Production/ Records Management

Name	Education	Experience	Project Responsibilities
Amanda Tyrrell New West	<ul style="list-style-type: none"> • M.S. Environmental Sciences and Policy, 2008 • B.S. Integrated Science and Technology, Environment Concentration, 2000 	<ul style="list-style-type: none"> • 14 years of NEPA experience • Supported environmental planning decisions on behalf of DOE, NOAA, FAA, NSF, and DoD 	Technical Coordinator (Draft PEIS) Ground Source Heat Pumps Ocean Thermal Energy Conversion Undersea Cables Noise and Vibration
Contractor Team			
Tonya Bartels JAD Environmental	<ul style="list-style-type: none"> • M.S., Analytical Chemistry, 1994 • B.S., Chemistry, 1991 	<ul style="list-style-type: none"> • More than 15 years of NEPA experience for DOE, U.S. Department of Defense, and U.S. Army Corps of Engineers projects 	Recreational Resources Scenic and Visual
Ailene Batoon New West	<ul style="list-style-type: none"> • M.S., Environmental Sciences and Policy, 2013 • B.A., Geography, Specialization in Environmental Studies, 2005 	<ul style="list-style-type: none"> • More than 9 years of experience of Federal (NEPA), State (CEQA, etc.), and local environmental planning and impact assessment • More than 4 years of combined experience supporting the DOE Federal Energy Management Program, the DOE State and Alternative Fuel Provider Transportation Program, and the DOE Vehicle Technologies Office 	Energy Efficient Buildings Biofuels Hydrogen CNG, LNG, and LPG Hazardous Materials and Waste Management
Pixie Baxter JAD Environmental	<ul style="list-style-type: none"> • M.B.A., Management and Economics • B.A., Art History 	<ul style="list-style-type: none"> • More than 25 years of professional experience in multidisciplinary economic and business area applications in planning and research capacities and regulatory analysis 	Socioeconomics Environmental Justice
Dawn Chang Ku'iwalu	<ul style="list-style-type: none"> • J.D., Richardson School of Law • Masters, Social Work • B.A. Sociology 	<ul style="list-style-type: none"> • Expert on land issues and regulatory requirements. • 14 years as the Deputy Attorney General in Hawaii and counsel to various state boards and Commissions. 	Facilitator at Public Scoping Meetings

Name	Education	Experience	Project Responsibilities
Bill Craig JAD Environmental	<ul style="list-style-type: none"> • BS in Forestry and Natural Resource Management, University of Tennessee • MS in Planning, University of Tennessee 	<ul style="list-style-type: none"> • More than 30 years' experience with utility management and NEPA compliance • Experience in federal TVA utility management in power plant siting, NEPA compliance, and nuclear fuel planning and analysis • Project manager for 5 DOE EISs and 25 EAs • Senior consultant to DOE's Office of NEPA Compliance 	Municipal Solid Waste Solar Thermal Land and Submerged Land Use
Keith Davis New West	<ul style="list-style-type: none"> • M.S., Civil and Environmental Engineering, 1976 • B.S., Civil Engineering, 1973 	<ul style="list-style-type: none"> • More than 30 years of diverse environmental experience • Extensive experience with Federal and numerous state environmental regulations • Registered Professional Engineer (Civil) in Idaho, Arizona, and Utah 	Wind Geothermal Water Resources Geology and Soils
Greg Fasano New West	<ul style="list-style-type: none"> • M.B.A., Business Administration, 1988 • B.S., Geology, 1982 	<ul style="list-style-type: none"> • 28 years of extensive environmental experience • Experienced in Federal environmental compliance and NEPA programs 	Initiatives and Programs Cultural and Historic Resources
Ron Green New West	<ul style="list-style-type: none"> • Ph.D., Zoology, Colorado State University • M.S., Wildlife Biology, Colorado State University • B.S., Wildlife Biology, Colorado State University 	<ul style="list-style-type: none"> • Experienced wildlife biologist with over 20 years of DOE experience • NEPA consultation experience for Endangered Species Act 	Biomass Coastal Zone Management Biological Resources Land and Marine Transportation Airspace Management
Michelle Hank New West	<ul style="list-style-type: none"> • Ph.D., Business Administration • M.S., General Administration • B.S., Legal Studies 	<ul style="list-style-type: none"> • over 20 years of experience organizational administration including a comprehensive background in social, legal, and business environments 	Document Production
Steve Hauser New West	<ul style="list-style-type: none"> • M.S., Chemical Engineering • B.S., Engineering Physics 	<ul style="list-style-type: none"> • A leader in clean energy and smart grid technology development for more than 30 years. • Recognized expert on transforming the power sector to meet future needs. 	Smart Grid

Appendix C

Name	Education	Experience	Project Responsibilities
Richard Holder New West	<ul style="list-style-type: none"> • M.B.A., Business Administration, 1986 • M.S., Electrical Engineering, 1970 • B.S., Electrical Engineering, 1966 	<ul style="list-style-type: none"> • 40 years of experience in team and line management for nuclear, utility, industrial, and overseas projects 	<p>On Island Electrical Transmission</p> <p>Utilities and Infrastructure</p>
Annmarie Mulholland New West	<ul style="list-style-type: none"> • M.Ed., Curriculum and Instruction • B.A., English 	<ul style="list-style-type: none"> • Experienced technical writer who has contributed to multiple DOE, and other federal agency reports. 	<p>Technical Editing Support</p>
Russ Owens, P.E. New West	<ul style="list-style-type: none"> • M.S., Mechanical Engineering, 2002 • B.S., Mechanical Engineering, 1996 	<ul style="list-style-type: none"> • 6 years of research and development experience with electric- and hybrid-electric vehicle testing and development • Over 10 years of experience of technical and field evaluations for transportation propulsion system, fuels, vehicle emissions, cost/performance evaluations, and fleet transition analysis 	<p>Electric Vehicles</p> <p>Hybrid-Electric Vehicles</p> <p>Multi-modal Transportation</p>
Julie Perez New West	<ul style="list-style-type: none"> • M.B.A., Business Administration, 2010 • M.S., Mechanical Engineering, 1999 • B.S., Aerospace Engineering, 1996 	<ul style="list-style-type: none"> • More than 18 years of diverse engineering experience • Extensive experience with power plant development, R&D energy and materials programs • Project Management Professional 	<p>Energy Storage</p>
Kristina Rivenbark New West	<ul style="list-style-type: none"> • BA in Anthropology (Candidate), University of North Carolina at Wilmington • Print and Broadcast Journalism graduate, Defense Information School, 1992 	<ul style="list-style-type: none"> • 17 years of experience in creating print and web projects from conceptual development to finished product. • Proficient with Adobe Photoshop, Adobe Illustrator, Adobe InDesign, Adobe Dreamweaver, Microsoft Office, Adobe Acrobat, Mac OS 	<p>Document Production/Graphics</p>
Robert Schaller New West	<ul style="list-style-type: none"> • B.A., Sociology 	<ul style="list-style-type: none"> • Technical Writer and Opposition Researcher 	<p>Research Analyst</p>
Leroy Shaser JAD Environmental	<ul style="list-style-type: none"> • M.S., Geology, 1978 • B.S., Geology, 1976 	<ul style="list-style-type: none"> • 16 years of experience in NEPA analysis, including air quality, health and safety, and utilities and infrastructure • GIS and computer mapping proficiency 	<p>Hydrogen Fuel Cells</p> <p>Climate and Air Quality</p>

Appendix C

Name	Education	Experience	Project Responsibilities
Natan Simhai New West	<ul style="list-style-type: none"> • B.S., Bioengineering, 2011 	<ul style="list-style-type: none"> • 2 years of experience as DOE contractor, including NEPA writing and environmental review 	Research Analyst
Raphael Tisch New West	<ul style="list-style-type: none"> • M.P.A. Environmental Science and Policy, 2008 • B.A. Environmental Studies (Earth Systems Dynamics), 2005 	<ul style="list-style-type: none"> • 5 years supporting environmental impact and technical project management for the DOE's Wind and Water Power Technologies Office • 3+ years renewable energy consulting 	Solar Water Heating Sea Water Air Conditioning Hydroelectric Marine Hydrokinetic Energy
Richard M. Todaro New West	<ul style="list-style-type: none"> • M.P.P., Public Policy 2009 • M.A. Journalism, 2001 • M.S. Meteorology, 1997 • B.S. Physical Science (mathematics and physics), 1994 	<ul style="list-style-type: none"> • 10 years of experience as technical writer and editor in earth, atmospheric, and space sciences • Over 4 years of experience providing cross-programmatic technical and analytical support to DOE EERE 	Document Production References Glossary Introduction

**NEPA DISCLOSURE STATEMENT FOR PREPARATION OF THE
HAWAII CLEAN ENERGY
PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT**

The Council on Environmental Quality regulations (CEQ) at Title 40 of the *Code of Federal Regulations* (CFR) Section 1506.5(c), which have been adopted by the U.S. Department of Energy (10 CFR Part 1021), require contractors and subcontractors who will prepare an environmental impact statement to execute a disclosure statement specifying that they have no financial or other interest in the outcome of the project.

“Financial or other interest in the outcome of the project” is defined as any direct financial benefit such as a promise of future construction or design work in the project, as well as indirect financial benefits the contractor is aware of (e.g., if the project would aid proposals sponsored by the firm’s other clients).

In accordance with these requirements, Spike Bighorn, on behalf of the company and its employees, hereby certifies as follows, to the best of its knowledge as of the date set forth below:

(a) New West Technologies has no financial or other interest in the outcome of the project.

(b) _____ has the following financial or other interest in the outcome of the project and hereby agrees to divest itself of such interest prior to aware of this contract, or agrees to the attached plan to mitigate, neutralize or avoid any such conflict of interest.

Financial or Other Interests

- 1.
- 2.
- 3.

Certified by

Spike Bighorn, COO (Spike Bighorn)
Name, Title

New West Technologies LLC
Company

March 15, 2012
Date

**NEPA DISCLOSURE STATEMENT FOR PREPARATION OF THE
HAWAII CLEAN ENERGY
PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT**

The Council on Environmental Quality regulations (CEQ) at Title 40 of the *Code of Federal Regulations* (CFR) Section 1506.5(c), which have been adopted by the U.S. Department of Energy (10 CFR Part 1021), require contractors and subcontractors who will prepare an environmental impact statement to execute a disclosure statement specifying that they have no financial or other interest in the outcome of the project.

“Financial or other interest in the outcome of the project” is defined as any direct financial benefit such as a promise of future construction or design work in the project, as well as indirect financial benefits the contractor is aware of (e.g., if the project would aid proposals sponsored by the firm’s other clients).

In accordance with these requirements, **David Hoberg**, on behalf of the company and its employees, hereby certifies as follows, to the best of its knowledge as of the date set forth below:

(a) **JAD Environmental, LLC** has no financial or other interest in the outcome of the project.

(b) _____ has the following financial or other interest in the outcome of the project and hereby agrees to divest itself of such interest prior to aware of this contract, or agrees to the attached plan to mitigate, neutralize or avoid any such conflict of interest.

Financial or Other Interests

- 1.
- 2.
- 3.

Certified by:



David Hoberg, Contracts Lead

JAD Environmental, LLC
Company

March 21, 2012
Date

**NEPA DISCLOSURE STATEMENT FOR
PREPARATION OF THE HAWAII CLEAN ENERGY PROGRAMMATIC ENVIRONMENTAL
IMPACT STATEMENT (DOE/EIS-0459)**

**Prime Contract No. Z10003265
Subcontract No. HNE1213_SUB01**

Council on Environmental Quality regulations at 40 CFR 1506.5(c), which have been adopted by DOE (10 CFR Part 1021), require contractors who will prepare an EIS to execute a disclosure specifying that they have no financial or other interest in the outcome of the project. The term "financial interest or other interest in the outcome of the project" for purpose of this disclosure is defined in the March 23, 1981, guidance "Forty Most Asked Questions Concerning CEQ's National Environmental Policy Act Regulations" (46 FR 18026, Question 17a and b).

"Financial or other interest in the outcome of the project" includes "any financial benefit such as a promise of future construction or design work in the project, as well as indirect benefits the contractor is aware of (e.g., if the project would aid proposals sponsored by the firm's other clients)" (see 46 FR 18026).

In accordance with these requirements, Rivers Consulting, Inc. hereby certifies to the best of its knowledge and belief, it has no financial or other interest in the outcome of the project.

Certified by:

Signature 

Joseph W Rivers, Jr.
Name (printed)

President
Title

Rivers Consulting, Inc.
Company

7/18/15
Date