

NEWS RELEASE

Envision Hawaii!

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DEPARTMENT OF BUSINESS
AND ECONOMIC DEVELOPMENT

90 JUN 14 1990

DEPARTMENT OF LAND
& NATURAL RESOURCES
STATE OF HAWAII

Norman Reyes, 548-3156

June 12, 1990
(01/M1/K1/H1/I1)

EXPERIMENTAL GEOTHERMAL PLANT BEING DISMANTLED

The closing of the state's HGP-A demonstration geothermal electricity plant in Puna will continue this month when the equipment is dismantled, followed by the start of site restoration work including landscaping.

The plant was shut down last December by the Natural Energy Laboratory of Hawaii following a successful 7-year demonstration run. Hawaiian Electric Light Co. had been operating the plant under contract with NELH and purchasing the electricity output of about two megawatts.

The equipment is being purchased by Bechtel Corporation of San Francisco. After the equipment is dismantled Bechtel will use it overseas.

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(Editors: for further information call Clare Hachmuth at NELH, Keahole Point, 329-7341)



Jami

P R E S S R E L E A S E

THE GEOTHERMAL CONTROVERSY

CONTACT: DENNIS SHIPMAN 239-5899
JESSICA LLOYD-ROGERS 847-0672
GRASSROOTS RADIO FAX 924-7617

ON SUNDAY, MARCH 25, HAWAII SAW THE LARGEST CIVIL DISOBEDIENCE RALLY IN ITS HISTORY. OVER 1,000 PROTESTORS CONVERGED AT THE GATE OF RIG #51 -- A TRUE GEOTHERMAL ENERGY COMPANY DRILLING SITE IN THE WAO KELE O PUNA RAINFOREST ON THE BIG ISLAND.

CITIZENS FROM ALL PARTS OF HAWAII CAME TO THE EVENT. ABOUT 40 PEOPLE -- LESS THAN 5% OF THE TOTAL NUMBER OF PROTESTORS -- CAME FROM THE MAINLAND.

NEWS REPORTS SAID 141 PERSONS WERE ARRESTED AT THE SITE -- 139 FOR TREASPASSING (21 JUVENILES) AND TWO FOR OBSTRUCTING JUSTICE.

WHY DO THESE CITIZEN-PROTESTORS WANT THE GEOTHERMAL DEVELOPERS TO PACK UP AND LEAVE THE RAINFOREST? WHAT CAUSES OUR CITIZENS TO USE CIVIL DISOBEDIENCE TO GET THEIR MESSAGE ACROSS? WHY DOES A DISPUTE EXIST OVER WHO OWNS THE LAND? WILL GEOTHERMAL ENERGY PROVE TO BE A BENEFIT TO HAWAII OR AN ECONOMIC SINK HOLE? WHAT ARE THE REAL ISSUES?

(MORE)

GRASSROOTS RADIO REPORTERS DENNIS SHIPMAN AND JESSICA LLOYD-ROGERS HAVE RESEARCHED THIS CONTROVERSY INCLUDING TRAVELING TO THE BIG ISLAND TO COVER THE PROTEST RALLY AND TALK WITH THOSE ON BOTH SIDES OF THE FENCE.

ON APRIL 5, 8-9 P.M., K-108 (AM 1080) -- THEY WILL PRESENT A SPECIAL REPORT, PART ONE OF A TWO PART SERIES ON THIS CONTROVERSY. GUESTS FOR THE PROGRAM WILL REPRESENT PROPONENTS OF GEOTHERMAL EXPLORATION AND DEVELOPMENT.

ON APRIL 12, 8-9 P.M., K-108 (AM 1080) GRASSROOTS RADIO WILL PRESENT PART TWO OF THE SPECIAL REPORT. GUESTS FOR THIS PROGRAM WILL FEATURE OPPONENTS OF GEOTHERMAL EXPLORATION AND DEVELOPMENT.

LISTENERS ARE INVITED TO CALL IN DURING BOTH PROGRAM DATES AND ASK QUESTIONS OF THE GUESTS WHO WILL RESPOND OVER THE AIR. THE CALL-IN TELEPHONE IS 522-5108.

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G R A S S R O O T S
R A D I O

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John Waihee
Governor

NEWS RELEASE

Executive Chambers

Contact:
Carolyn Tanaka
(808) 548-2320

WEDNESDAY, OCTOBER 25, 1989

No. 89-091

Governor John Waihee today called for the shut-down of the State's experimental geothermal generating plant in Puna before the end of the year.

Waihee said he is asking the Natural Energy Laboratory of Hawaii, which has final management authority, to close the geothermal generating plant (HGP-A) by no later than the end of December.

"HGP-A was a valuable experiment, which was never meant to be long term supplier of power," Waihee said. "There is no doubt that it should be retired," the Governor said.

Earlier this year, Waihee told Big Island reporters his commitment was to close HGP-A within the year. "We intend to keep our commitment," Waihee stated.

The HGP-A facility near Pahoehoe has been operating for more than seven years, producing electricity used by the Hawaii Electric Light Company, which operates and maintains the plant for NELH.

Once the well is closed, its wellhead valves will be refurbished, and the well -- not the generating plant -- will be prepared for future re-use. Backup equipment and safety systems which will prevent the venting of any hydrogen sulfide gas from the well have been satisfactorily tested.

Under a proposal from Puna Geothermal Venture, steam from the well and other wells will be used in the future to produce electricity for Big Island use. PGV will employ new technologies designed to eliminate emission of gases and the need for surface disposal ponds for geothermal liquids.

More . . .

News Release No. 89-091
October 25, 1989
Page Two

New geothermal technology is cleaner, more environmentally sensitive and more efficient than the HGP-A plant.

The existing HGP-A generating plant would be permanently closed.

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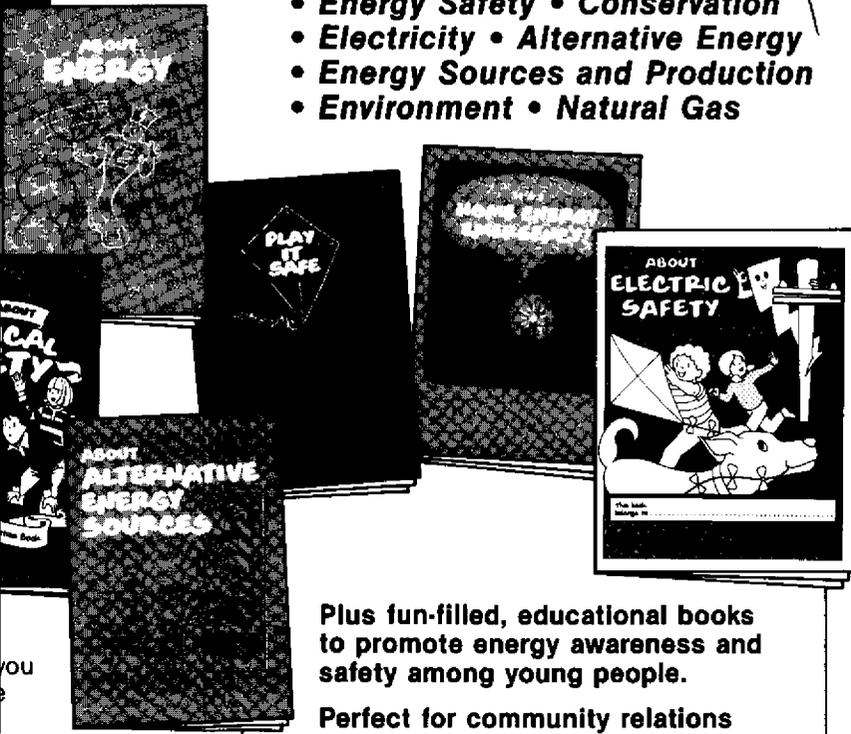


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Energy Education

About Energy (15586). An overview of the essential role energy plays in our lives. Describes various energy sources and urges conservation.

Save Energy (15347). Explains the critical importance of saving energy, then lists many ways to conserve.

Conserve Energy at Home (15289). Impresses upon readers the urgent need to conserve energy. Focuses on major home appliances and energy systems.

Energy and the Economy (15610). Explains how our economy revolves around energy production, distribution, and consumption. Stresses the need for future energy supplies.

ABC's of Oil (15172). How oil is located, drilled, refined and transported. Shows how the petroleum industry is working to meet demand.

About Coal (15438). Shows how this resource can help meet our energy needs. Presents mining techniques, major uses and environmental effects.

Natural Gas

About Natural Gas (15578). Tells the story of natural gas and the industry that supplies it. Covers the advantages of natural gas and how to use it safely.

Heating Your Home with Natural Gas (15701). Describes the benefits of natural gas — efficiency, dependability, economy, safety and more. Looks at today's efficient gas furnaces, boilers and water heaters; gives tips on economical use.

Energy-Efficient Gas Appliances (15685). Notes benefits of gas ranges, dryers, water heaters, and home heating systems. Also provides tips for safe and efficient use.

Your Gas Company (15727). Introduces the local gas company and discusses its important role in the community. Explains what a public utility is, how it delivers gas, community services it provides.

Electricity

ABC's of Electricity (15073). Defines electricity, how it's produced, and how it serves the public.

About Electricity (15396). A practical guide explaining circuits, fuse boxes, wattage, electric bill, and more. A must for every family.

The Cost of Electricity (15628). Gives a clear picture of the economics of producing electricity. Explains the fees, rates and charges that make up the price of electricity, covers factors that cause rates to change, and more.

Electric Utility Careers (15552). Discusses a variety of opportunities in the electric utility industry. Describes entry-level and college-level jobs, and more. Great for school programs!

Investor-Owned Electric Companies (15313). The facts about public utilities; how they're set up and what they do.

Story Behind the Switch (15305). Shows how utilities work to meet consumer needs. Tells how electricity is made and delivered.

Energy-Efficient Electric Appliances (15719). Looks at the new generation of electric appliances, including dishwashers, refrigerator/freezers, ovens, washer/dryers, air conditioners, heating systems, and more. Explains energy labels.

Electric Power/Atom (05017). Explores nuclear power and its uses; illustrates how a nuclear power plant works. Emphasis on the beneficial aspects.

Heat Pumps (15370). Informative booklet about this new energy-saving way to heat and cool a home.

Your Rural Electric Cooperative (15792). Explains what an electric cooperative is, how it is organized, what services it supplies, and what the responsibilities of an owner/member are. Also answers common questions.

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Energy Safety

Play it Safe (10702). A guidebook for parents and children. Explains the dangers of playing near power lines, substations, guy wires, etc.

Electrical Safety (13706). Helps prevent injury caused by misuse of electricity. Perfect for your public safety programs.

Natural Gas Safety (10272). Commonsense safety precautions when working with or around gas-operated appliances.

On-the-Job Electric Safety (10819). Reminds workers not to take electric safety for granted. Explains electricity dangers, how to protect oneself from contact with electric current and prevent electrical fires.

Home Energy Emergency! (15560). Urges readers to be prepared for situations that leave them without heat or electricity. Tells how to meet essential needs with a backup heat source, food and water supplies, lighting equipment and proper clothing.

About Hypothermia (12872). This booklet makes readers aware of the hazards and symptoms of hypothermia; emphasizes precautions to avoid overexposure to cold. Excellent for outdoor workers!

Outdoor Electrical Safety (15651). Alerts readers to the common risks that are present when working with electrical tools; during recreational activities, thunderstorms, electrical emergencies, and more.

Alternative Energy

Alternative Energy Sources (15487). Describes technologies and pros and cons of hydropower, solar energy, synthetic fuels, and other potential sources.

Solar Energy (15354). Timely information about its use now and in the future. Described in non-technical terms.

About Hydropower (15461). Tells about the uses and environmental considerations of this clean, safe means of producing electricity.

About Wind Power (15537). Talks about the present and future of this clean energy source. Tells how wind machines work, and helps readers evaluate the practicality of wind power for their own homes.

About Geothermal Energy (15529). Explains the current uses and potential of this underground heat energy. Describes the advantages and challenges involved in harnessing it most effectively.

About Biomass (15602). Gives an overview of the processes which make energy from biomass possible. Also cites the benefits of using biomass, and issues that need to be resolved.

Environment

Water Conservation (16642). Tells how to conserve water at home by repairing leaks, using water-saving devices and economizing.

Water — Our Most Valuable Resource (16881). Encourages everyone to protect clean water supplies. Shows how pollutants can enter water supplies, how treatment plants work. Provides water-saving tips.

Fight Pollution (16295). Encourages attitudes and actions that can help alleviate America's pollution problems.

Electrical Power and the Environment (15669). Focuses on the need for a balance between affordable energy and a clean environment. Explains how electric utilities are working to provide both.

Coloring Books

8½" x 11"



16-PAGE
COLORING
BOOKS

For children ages 6-9
Sixteen pages, 8½" x 11".
See separate price list on the order form.

Let's Learn About Electricity! (54197). This outstanding book covers the role of electricity in daily life, and how utilities provide us with electric service.

About Electric Safety: A Coloring & Activities Book (54148). Here's a creative way to stress safety around power lines, appliances, and electric wires. Kids will get the picture . . . about electric safety!

About Energy: A Coloring & Activities Book (54155). Introduces children to energy sources, how they're used, conservation, and more. Combines facts with fun!

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For children ages 6-9
Eight pages, 8½" x 11".
Use price list for Standard Booklets on the order form.

Natural Gas Safety Coloring and Activities Book (54296). Contains activities that teach children about natural gas and its safe use. Lessons include: where natural gas comes from, how it gets to our homes, what it's used for, how to stay safe around gas appliances and what to do if one smells gas.

Let's Learn About Natural Gas Coloring and Activities Book (54403). Helps children understand what natural gas is, where it comes from, and how it gets to our homes. Shows how natural gas serves people in many ways every day!

Water Conservation: A Coloring & Activities Book (54239). A lively book that teaches youngsters where water comes from and how they can help save it. Includes pictures to color, a space to draw their own, a maze, and more.

"My Book About"

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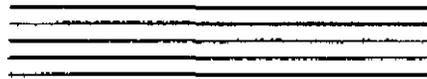
Let's Talk About Information and thorough look at how can pose dangers, and avoid hazards, and much, much more.

Let's Explore Natural Gas and Activities natural gas is recovered. Profiles utility employees.



Hawaiian Elect Company

NEWS • RELEASE



CONTACT: Scott Shirai - (808) 543-5602

FOR IMMEDIATE RELEASE

August 8, 1989

Six geothermal developers have indicated to Hawaiian Electric Company (HECO) that they intend to submit proposals for the development and transmittal of 500 megawatts of geothermal power from the Big Island to Oahu.

The six are ABB Energy Ventures, Inc., Fluor Daniel, Inc., Mission Energy Company, Mission Power Engineering Company, PG&E-Bechtel Generating Company, and C. Itoh & Co.-(America), Inc.

"We are greatly encouraged by this initial response," said HECO President Harwood D. Williamson, "and we look forward to a thorough review of the detailed particulars later this year."

In May, HECO issued a Request for Proposals on this project which, if completed as scheduled in 1995, would move Hawaii many steps forward in achieving the State goal of energy self-sufficiency.

Technical proposals indicating how the geothermal developers expect to realize this task are due by November 1 of this year. The developers have until December 1, 1989 to submit commercial proposals for a Purchase Power Agreement with HECO, along with plans of how they intend to finance the project. HECO hopes to consummate a draft contract with the successful geothermal developer by October 1, 1990.

Oahu accounts for about 80 percent of Hawaii's electrical consumption and the successful implementation of this project would displace some 7.3 million barrels of imported fuel oil.

* * * * *