

FOIA MARKER

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Collection/Record Group: Clinton Presidential Records
Subgroup/Office of Origin: Office of Environmental Initiatives
Series/Staff Member: Roger Ballentine
Subseries:

OA/ID Number: 19511
FolderID:

Folder Title:
Climate Change Other Event Ideas

Stack:	Row:	Section:	Shelf:	Position:
S	62	1	1	2

ROUTING SLIP

DATE: 7/2/00
 FROM: Stephanie Street
 Assistant to the President and Director of Presidential Scheduling

File Regret

Comments _____

SUBJECT: Roundtable Discussion w/ energy
Corporation CEO's

Kris Balderston	___	Joe Lockhart	___
Elizabeth Cotham	___	Lisel Loy	___
Samuel Berger	___	Capricia Marshall	___
Sidney Blumenthal	___	Thurgood Marshall Jr.	___
Chuck Brain	___	Minyon Moore	___
Charles Burson	___	Bob Nash	___
Mary Beth Cahill	___	Beth Nolan	___
Maria Echaveste	___	John Podesta	___
Terry Edmonds	___	Steve Ricchetti	___
George Frampton	___	Bruce Reed	___
Sarah Gegenheimer	✓	Rob Rosen	___
Laura Graham	✓	Rozensky/Valentino	___
Nancy Hernreich	___	Kim Tilley	___
Mickey Ibarra	___	Gene Sperling	___
Ben Johnson	___	Carrie Street	✓
Joel Johnson	___	Karen Tramontano	___
Neal Lane	✓	Loretta Ucelli	✓
Mark Lindsay	___	Melanne Verveer	___
Bruce Lindsey	___		

Roger Ballentine ✓

Rosina Bierbaum ✓

ask John >

~~Hold~~

ROUTING SLIP

DATE: 1/11/00
FROM: Stephanie Streett
Assistant to the President and Director of Presidential Scheduling

File: Regret

Comments:

SUBJECT: Roundtable Discussion with energy Corporation CEOs

Kris Balderston

Lisa Berg

Samuel Berger

Sidney Blumenthal

Chuck Brain

Charles Burson

Mary Beth Cahill

Maria Echaveste

Terry Edmonds

George Frampton

Sarah Gegenheimer

Laura Graham

Nancy Hernreich

Mickey Ibarra

Ben Johnson

Joel Johnson

Neal Lane

Ann Lewis

Mark Lindsay

Bruce Lindsey

Joe Lockhart

Sean Maloney

Capricia Marshall

urgood Marshall Jr.

nyon Moore

ob Nash

eth Nolan

John Podesta

Steve Ricchetti

Bruce Reed

Dan Rosenthal

Rozensky/Emrich

Patti Solis-Doyle

Gene Sperling

Carrie Street

Karen Tramontano

Loretta Ucelli

Melanne Verveer

Roger Ballentine ✓
Rosina Bierbaum ✓

June 21, 2000

SCHEDULING PROPOSAL

00 JUN 29 12:16		
☐ Accept	☐ Regret	☐ Pending

TO: Stephanie Street
Assistant to the President and
Director of Presidential Scheduling

REQUESTED BY: Neal Lane
Assistant to the President for Science and Technology
Roger Ballentine
Deputy Assistant to the President for Environmental Initiatives

REQUEST: For the President to lead a roundtable discussion with energy corporation CEOs and others regarding rapidly emerging worldwide clean energy markets and technologies which can profoundly reduce air pollution and help fight global warming. Alternatively, the President would meet with the CEOs and then proceed to the South Lawn to view clean energy technologies and make remarks.

PURPOSE: For the President to highlight his climate change budget request, our overall energy policies and our win-win solutions to fighting global warming. The speech would demonstrate the President's foresight and decisiveness in taking action against global warming while maintaining strong economic growth and draw attention to the strides American industry has made in developing clean technologies for export and domestic markets.

The CEO's would emphasize the importance of clean energy exports to the US economy, describe steps they have taken to promote such exports, stress the critical role of government R&D and export programs in improving the competitive position of U.S. industry, and endorse the approach laid out in the PCAST "Powerful Partnerships" Report. The President would highlight his \$200 million International Clean Energy Initiative and his \$4 billion Climate Change Technology Initiative tax package, announce his Executive Memorandum on promotion of clean energy exports, challenge the federal agencies and private sector to work together to double US clean energy exports by 2005, and challenge other industrial countries and international institutions to establish environmental standards and financial mechanisms for clean energy technologies. If cleared, the President might also propose changes in OECD trade and environment policies and other related announcements in lead up to the G-8.

BACKGROUND: Much of the groundwork for the International Clean Energy Initiative was detailed in June report by the President's Committee of Advisors on Science and Technology (PCAST). The US is now exporting roughly \$5 billion in clean energy technology equipment but has a chance to capture a large portion of the huge new export market now emerging. This initiative would help U.S. firms capture a large portion of the \$10 trillion (2000-2020) global energy supply market as it increasingly focuses on clean energy technologies while assisting developing countries in reducing greenhouse gas emissions.

DATE & TIME: TBD -- July.

DURATION: One hour

LOCATION: East Room or Roosevelt Room and/or South Lawn.

PARTICIPANTS: 8-12 CEO's of major clean energy/advanced technology companies who are exporting US technology to help establish cleaner energy infrastructures worldwide; 1 leading environmental expert on clean energy technology; Dr. John Holdren of Harvard, Chair of the PCAST report committee; 1 expert in developing country energy infrastructures. Possible Cabinet or other (USAID, EX-IM) officials.

REMARKS: Yes

PRESS
PARTICIPATION: Open press

STAFF CONTACT: Roger Ballentine, 6-1782, and
Rosina Bierbaum,
Associate Director for Environment,
Office of Science and Technology Policy, 6-6077

Powerful Partnerships

copied
Ballentine
(sent book)
Podesta

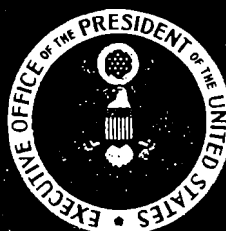
R. Ballentine

~~Let's~~
Let's do as many
good specific things
as possible before we go

THE PRESIDENT ~~AND SEN~~
4-24-00

The Federal Role in International Cooperation on Energy Innovation

A report from the Panel on International
Cooperation in Energy Research, Development,
Demonstration, and Deployment
The President's Committee of Advisors
on Science and Technology



ROUTING SLIP

DATE:	7/17/00
FROM:	Stephanie Streett Assistant to the President and Director of Presidential Scheduling

File Regret

Comments _____

SUBJECT: Mtg. of leading U.S. & Indian energy company CEOs in Roosevelt Room

Kris Balderston	_____	Joe Lockhart	_____
Elizabeth Cotham	_____	Lisel Loy	_____
Samuel Berger	_____	Capricia Marshall	_____
Sidney Blumenthal	_____	Thurgood Marshall Jr.	_____
Chuck Brain	_____	Minyon Moore	_____
Charles Burson	_____	Bob Nash	_____
Mary Beth Cahill	_____	Beth Nolan	_____
Maria Echaveste	_____	John Podesta	_____
Terry Edmonds	_____	Steve Ricchetti	_____
George Frampton	_____	Bruce Reed	_____
Sarah Gegenheimer	✓	Rob Rosen	_____
Laura Graham	✓	Rozensky/Valentino	_____
Nancy Hernreich	_____	Kim Tilley	_____
Mickey Ibarra	_____	Gene Sperling	_____
Ben Johnson	_____	Carrie Street	✓
Joel Johnson	_____	Karen Tramontano	_____
Neal Lane	_____	Loretta Ucelli	✓
Mark Lindsay	_____	Melanne Verveer	_____
Bruce Lindsey	_____	George Frampton	✓
		Roger Ballentine	✓
		Nathan Hurst	✓

September 6, 2000

00 SEP 6 P3:06

SCHEDULING PROPOSAL

_____ Accept _____ Regret _____ Pending

TO: Stephanie Streett
Assistant to the President and
Director of Presidential Scheduling

REQUESTED BY: George T. Frampton, Jr. *MT for*
Chair, Council on Environmental Quality
Roger Ballentine *RB for WS*
Deputy Assistant to the President for Environmental Initiatives

REQUEST: The President and Indian Prime Minister Vajpayee would drop by a meeting of leading U.S. and Indian energy company CEOs in the Roosevelt Room, perhaps being hosted by Secretary Richardson. The drop by could immediately follow the bilateral meeting. The President and Prime Minister would make brief statements in support of this opening session of the Joint Indo-U.S. Private Sector Working Group on Clean Energy and the Environment that grew out of the President's March trip to India. The President would emphasize that rapidly emerging worldwide clean energy markets and technologies can profoundly reduce greenhouse gas emissions and help fight global warming while helping grow stronger economies. But, in order to do so, the U.S. and the rest of the world must invest in key clean energy technologies. Finally, the President will congratulate the CEOs on their joint initiatives and, time permitting, could witness signing of additional new project and bilateral cooperation MOUs.

PURPOSE: To highlight the commitments of the President, the Indian Government and leading energy corporations in both the U.S. and India to clean energy partnerships with developing nations in an effort to reduce global climate change while improving economic growth. India is one of the most significant developing country players in a long-term solution to climate change. To draw attention to the opportunities for American industry in developing clean technologies for export and domestic markets.

BACKGROUND: The meeting of American and Indian CEOs is a direct follow up to the announcement of a range of new cooperative ventures and the signing of a major joint U.S.-Indo clean energy statement at Agra during the President's March trip. In conjunction with that event, the President emphasized the importance of the private sector in meeting clean energy and environmental objectives. The U.S. India-Joint Statement on Cooperation in Energy and Environment, signed by Secretary Albright and FM Singh, builds upon an earlier Richardson-Singh joint statement to emphasize the desire of the two countries to increase cooperation in energy and environment. Since March, we have deepened our bilateral cooperation on these issues, but need to maintain the momentum with India.

Much of the groundwork for this agreement and portions of the President's budget request was detailed in a June report by the President's Council of Advisors on Science and Technology (PCAST). The US is now exporting roughly \$6 billion in clean energy technology and investment but has a chance to capture the huge new export market now emerging. This initiative would help expand US markets share while assisting developing countries in reducing greenhouse gas emissions, and complements the President's budget initiative on clean energy development. The President has repeatedly said how important this issue is to him. John Podesta also hosted a similar meeting with Indian CEOs, organized by CEQ, in the Roosevelt Room last year.

DATE & TIME: September 15, 2000

DURATION: 20 minutes

LOCATION: Roosevelt Room

PARTICIPANTS: The President, George T. Frampton, Jr., Roger Ballentine, Prime Minister Vajpayee of India, Secretary Richardson, 10-20 CEO's of major energy companies from the U.S. and India, representatives of State Department, AID, and NSC.

REMARKS: Yes

PRESS

PARTICIPATION: Limited – Pool or still shots.

STAFF CONTACT: George T. Frampton, Jr., 6-5147
Roger Ballentine, 6-1782
Nathan Hurst, 5-7419

June 21, 2000

SCHEDULING PROPOSAL

____ Accept ____ Regret ____ Pending

TO: **Stephanie Streett**
Assistant to the President and
Director of Presidential Scheduling

REQUESTED BY: Neal Lane 
Assistant to the President for Science and Technology
Roger Ballentine 
Deputy Assistant to the President for Environmental Initiatives

REQUEST: For the President to lead a roundtable discussion with energy corporation CEOs and others regarding rapidly emerging worldwide clean energy markets and technologies which can profoundly reduce air pollution and help fight global warming. Alternatively, the President would meet with the CEOs and then proceed to the South Lawn to view clean energy technologies and make remarks.

PURPOSE: For the President to highlight his climate change budget request, our overall energy policies and our win-win solutions to fighting global warming. The speech would demonstrate the President's foresight and decisiveness in taking action against global warming while maintaining strong economic growth and draw attention to the strides American industry has made in developing clean technologies for export and domestic markets.

The CEO's would emphasize the importance of clean energy exports to the US economy, describe steps they have taken to promote such exports, stress the critical role of government R&D and export programs in improving the competitive position of U.S. industry, and endorse the approach laid out in the PCAST "Powerful Partnerships" Report. The President would highlight his \$200 million International Clean Energy Initiative and his \$4 billion Climate Change Technology Initiative tax package, announce his Executive Memorandum on promotion of clean energy exports, challenge the federal agencies and private sector to work together to double US clean energy exports by 2005, and challenge other industrial countries and international institutions to establish environmental standards and financial mechanisms for clean energy technologies. If cleared, the President might also propose changes in OECD trade and environment policies and other related announcements in lead up to the G-8.

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DATE & TIME: TBD -- July.

DURATION: One hour

LOCATION: East Room or Roosevelt Room and/or South Lawn.

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REMARKS: Yes

PRESS
PARTICIPATION: Open press

STAFF CONTACT: Roger Ballentine, 6-1782, and
Rosina Bierbaum,
Associate Director for Environment,
Office of Science and Technology Policy, 6-6077

Powerful Partnerships

copied
Ballentine
(sent book)
Podesta

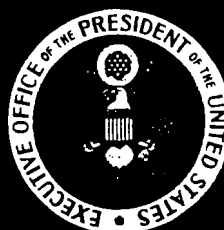
R. Ballentine

~~Let's~~
Let's do as many
good things as
possible before we go

By
THE PRESIDENT AND SEN
4-24-00

The Federal Role in International Cooperation on Energy Innovation

*A report from the Panel on International
Cooperation in Energy Research, Development,
Demonstration, and Deployment
The President's Committee of Advisors
on Science and Technology*



HOOPER OWEN & WINBURN
801 Pennsylvania Avenue NW
Washington, D.C. 20004
PHONE 202.638.7780
FAX 202.638.7787

VIA FACSIMILE

DATE: April 10

FROM: LUCIA WYMAN
(202) 638-7780

TO: John Podesta

FAX #: 452-1121

PAGES (INCLUDING COVER): 6

MESSAGE:

cc: Streett
Frampton

*Sealthwise
Rogers Div*

The "Green Power for a Green LA" program celebrates it's one year anniversary this May. I am faxing you the invitation that we sent to President Clinton late last week. This event would be a cogent way to express the President's message and efforts of this Administration to address global climate change.

Since adopting their "Green Power" program, LA has measurably reduced their city's air pollution and Houston, Texas has replaced LA as the dirtiest air in the U.S. LADW&P has the most successful green power program in the U.S. with over 30,000 customers. LA will be flexible on the date and design of this celebration to fit the President's schedule and agenda.

Please consider incorporating this event into President Clinton's next California trip. LADW&P would be available at any time to brief you further.

IF YOU HAVE TROUBLE RECEIVING THIS FAX, PLEASE CALL EILEEN AT (202) 638-7780

Department of Water and Power



the City of Los Angeles

RICHARD J. RIORDAN
Mayor

Commission
RICK J. CARUSO, President
KENNETH T. LOMBARDO, Vice President
JUDY M. MILLER
DOMINICK W. RUBALCAVA
MARCIA F. VOLPERT
JOHN C. BURMAHLN, Secretary

S. DAVID FREEMAN, General Manager

April 4, 2000

The Honorable William Jefferson Clinton
President of the United States
The White House
1600 Pennsylvania Avenue
Washington, DC 20500

Dear President Clinton:

Climate Change Awareness Day - May 2000

I am honored to invite you to join the Los Angeles Department of Water & Power (DWP) for its Climate Change Awareness Day event, to be held in May 2000, on a date that works with your schedule. DWP is holding this event to celebrate the one year anniversary of its "Green Power for a Green LA" program.

In Los Angeles we are particularly aware of the gradual warming of the earth's atmosphere and are extremely proud of our efforts to mitigate this problem. One year ago, with Secretary of Energy Bill Richardson, DWP launched its landmark clean energy program, "Green Power for a Green LA." We have scheduled Climate Change Awareness Day to bring greater awareness to this global issue and to celebrate the efforts of the more than 30,000 Angelenos who are supporting our program and the development of new "green" energy resources.

Your participation in this important event would be particularly fitting as your administration has devoted tremendous resources to addressing this issue. It would be an honor to host you at this event which will highlight your policy efforts on climate change.

A member of my staff will follow up with your office.

We hope you can join us for this important event.

Dear Mr. President

Sincerely,

*It would be an enormous honor
for me to host you at this event and
help make the world more aware of
global warming and what we can do
locally to contain it. Your admiring friend,
David Freeman*

S. DAVID FREEMAN
General Manager

Water and Power Conservation... a way of life

111 North Hope Street, Los Angeles, California ☐ Mailing address: Box 51111, Los Angeles 90051-0100
Telephone: (213) 367-4211 Cable address: DEWAPOLA FAX: (213) 367-3287

Recyclable and made from recycled waste.



Los Angeles Department of Water & Power's "Green Power for a Green LA" Program Briefing Materials

Program Overview

In May 1999, the Los Angeles Department of Water & Power (DWP) launched its "Green Power for a Green LA" program. This program is the most comprehensive green power program in the country, offering new, clean energy from renewable sources such as the sun, wind and water, combined with energy efficient savings. "Green Power for a Green LA" gives Los Angeles residents, businesses and governmental agencies a stake in helping to preserve and protect our environment by deciding to purchase green power from DWP. The use of green power replaces electricity generated from polluting power plants with sources that are natural, pollution-free and renewable. The slightly higher costs of choosing green power can be offset by energy efficiency products and services provided free of charge by DWP.

DWP created this program because more than 70 percent of Los Angeles' electricity is generated from coal and nuclear power – sources which pollute the environment and contribute to global warming.

Besides offering cleaner air, DWP's green power program will create new jobs, improve system reliability and lower electricity bills. The program includes an economic development component that provides incentives for manufacturers of solar power, wind turbines and other clean air technologies to locate facilities in Los Angeles.

The impact of "Green Power for a Green LA" will benefit generations to come by reducing air pollution and global warming, preserving the earth's limited natural resources, as well as attracting new industry and new jobs to Los Angeles.

Why DWP's Green Power Program is Distinctive

Unlike other green power programs, DWP's "Green Power for a Green LA" program buys electricity only from new renewable generation sources.

How Is Green Power Created?

Solar: The sun's radiation is used directly to produce electricity in two ways: photovoltaic (PV) systems and solar thermal systems. PV systems change sunlight directly into electricity. Solar thermal systems use the sun's energy to heat a fluid that produces steam, which turns a turbine and generator.

Water: Hydroelectric plants produce electricity by guiding water down a chute and over a turbine at high speed. Most hydropower is renewable, although larger plants can affect the environment adversely.

How Is Green Power Created? (continued)

Wind: Turbines produce electricity through the movement of wind. Wind is one of the most popular and powerful renewable energy sources.

Biomass: Organic matter that is burned to produce energy. Some crops are used specifically as biomass matter. Biomass, one of the oldest-known fuels, is converted into a combustible gas, allowing for greater efficiency and cleaner performance.

Geothermal: Geothermal converts hot water from beneath the earth's surface into electricity. A geyser is a form of geothermal energy. It is believed that the earth contains more geothermal energy than gas and oil combined.

Who Supports "Green Power for a Green LA"

DWP is clearing a path for a cleaner environment with the launch of "Green Power for a Green LA." From the very launch, the Los Angeles City Council, Mayor Richard J. Riordan and U.S. Secretary of Energy Bill Richardson endorsed the program. Department of Energy, as well as many consumer advocates and celebrity activists such as Ralph Nader, Robert Redford, Ted Danson, Mike Farrell, LeVar Burton, Ed Begley Jr., Wendie Malick and Beau Bridges strongly endorse the program. And, more than 30,000 DWP customers have signed up for the program.

Program Accomplishments

With the backing of the White House, U.S. Secretary of Energy Bill Richardson helped to launch the "Green Power for a Green LA" program. Los Angeles Mayor Richard J. Riordan, Councilmembers Ruth Galanter and Mike Hernandez also pledged their support on behalf of the City of Los Angeles.

Large customers such as Cedars Sinai Medical Center; Church of Scientology, Western United States; The J. Paul Getty Trust; Kaiser Permanente; The Department of Airports; Occidental College; Park LaBrea; Playa Vista; Robinson's-May Department Stores; United Signature Foods; Zestelle Doheny; University of Southern California; Los Angeles Dodgers; and Friedman Bag Co. are now Green Power businesses.

The City of Los Angeles also has committed to purchase green power for various facilities throughout Los Angeles.

The City of Seattle has negotiated a trade with DWP where they dedicate their existing green power to the Department, in exchange for new green power.

Program Accomplishments (continued)

The Green Power program already is creating jobs and income for some 50 community based organizations (CBOs) throughout Los Angeles and the San Fernando Valley. Some of DWP's CBO partners are FAME Renaissance, CHARO Community Development Corp., Watts Labor Action Committee, and TELACU. Approximately 100 community residents employed by these organizations are bringing the concept of green power to thousands of customers by going door-to-door within their neighborhoods. The goal of the CBO portion of the green power program is to enlist 50 organizations to promote "Green Power for a Green LA."

Because of DWP's aggressive pursuit of green power, renewable energy providers are looking at Los Angeles as a future home to generate new sources of energy. In the words of Ed Begley, Jr., actor and environmentalist, "with the DWP Green Power program, Los Angeles can become the international capital of renewable energy." The emergence of this new industry in the city will bring countless jobs to Los Angeles and create numerous business opportunities to support the industry.

Arco Tower
515 South Flower Street
Los Angeles, California 90071-2200
Tel: 213.629.4974
Fax: 213.629.5269

Josh Gertler
Vice President

MEMORANDUM

TO: Lucia Wyman
FROM: Josh Gertler
RE: DWP's Climate Change Awareness Day
DATE: April 4, 2000

Thanks so much for your assistance with the Los Angeles Department of Water & Power's (DWP) invitation to the President for the upcoming Climate Change Awareness Day.

By way of background, DWP will celebrate the one year anniversary of its "Green Power for a Green LA" program this May. To mark this milestone, DWP conceived of an event to expand awareness in Los Angeles -- and throughout the nation -- of the gradual warming of our earth's climate. This alarming trend led to DWP's development of its revolutionary clean energy program, the largest of its kind in the country and distinctive from other programs in that it supports the development of new green resources such as solar, wind, hydropower and geothermal energy.

We would like to continue shaping this event to mirror the President's policy goals on this issue. We have considered the overall message, event visuals and diversity of participants. Following are more detailed descriptions of each of these areas.

Message

The gradual change in our climate affects the entire world, who looks to the United States to lead the way in addressing the problem. As consumers of electricity we all have a responsibility to ensure that our need for energy does not come at the expense of our earth. Thanks to DWP, we now have a smart choice in energy with "Green Power for a Green LA."

ATLANTA
AUSTIN
BEIJING
BELFAST
BOSTON
CHICAGO
CLEVELAND
DALLAS
DUBLIN
EMERYVILLE
FRANKFURT
HONG KONG
HOUSTON
JOHANNESBURG
KANSAS CITY
KUALA LUMPUR
LONDON
LOS ANGELES
MANILA
MEXICO CITY
MIAMI
MILAN
MINNEAPOLIS/
ST. PAUL
MONTREAL
NEW YORK
OTTAWA
PARIS
SACRAMENTO
SAINT LOUIS
SAN ANTONIO
SAN DIEGO
SAN FRANCISCO
SHANGHAI
SINGAPORE
TOKYO
TORONTO
WASHINGTON, DC

DWP's Climate Change Awareness Day
Page 2

Participants

Climate change affects us all. Therefore the panel of participants must be diverse, specifically reflecting the Los Angeles community. We recommend including several local and state elected officials in this event including, Governor Gray Davis, Los Angeles Mayor Richard J. Riordan, Los Angeles-area Congressmembers Javier Becerra Loretta Sanchez and Maxine Waters, and California Senators Barbara Boxer and Dianne Feinstein. In addition, we should extend invitations to the entire Southern California delegation.

Visuals

We envision this event taking place at the downtown Los Angeles headquarters of DWP. The backdrop would be the world's largest solar carport, one of the city's largest renewable energy sites.

For additional background, attached are more extensive briefing materials on DWP's Green Power program.

We look forward to working with you on this terrific event.

Hooper Owen & Winburn

801 Pennsylvania Avenue, NW, Suite 730
Washington, D.C. 20004
Phone: 202.638.7780
Fax: 202.638.7787

Lucia Wyman

E-Mail: wymnan@howdc.com
Phone: 202.756.2402
Fax: 202.638.7787

Department of Water and Power



the City of Los Angeles

RICHARD J. RIORDAN
Mayor

Commission
RICK J. CARUSO, *President*
KENNETH T. LOMBARD, *Vice President*
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A member of my staff will follow up with your office.

We hope you can join us for this important event.

Dear Mr. President

Sincerely,

David

S. DAVID FREEMAN
General Manager

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Water and Power Conservation...a way of life

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Geothermal: Geothermal converts hot water from beneath the earth's surface into electricity. A geyser is a form of geothermal energy. It is believed that the earth contains more geothermal energy than gas and oil combined.

Who Supports "Green Power for a Green LA"

DWP is clearing a path for a cleaner environment with the launch of "Green Power for a Green LA." From the very launch, the Los Angeles City Council, Mayor Richard J. Riordan and U.S. Secretary of Energy Bill Richardson endorsed the program. Department of Energy, as well as many consumer advocates and celebrity activists such as Ralph Nader, Robert Redford, Ted Danson, Mike Farrell, LeVar Burton, Ed Begley Jr., Wendie Malick and Beau Bridges strongly endorse the program. And, more than 30,000 DWP customers have signed up for the program.

Program Accomplishments

With the backing of the White House, U.S. Secretary of Energy Bill Richardson helped to launch the "Green Power for a Green LA" program. Los Angeles Mayor Richard J. Riordan, Councilmembers Ruth Galanter and Mike Hernandez also pledged their support on behalf of the City of Los Angeles.

Large customers such as Cedars Sinai Medical Center; Church of Scientology, Western United States; The J. Paul Getty Trust; Kaiser Permanente; The Department of Airports; Occidental College; Park LaBrea; Playa Vista; Robinson's-May Department Stores; United Signature Foods; Zestelle Doheny; University of Southern California; Los Angeles Dodgers; and Friedman Bag Co. are now Green Power businesses.

The City of Los Angeles also has committed to purchase green power for various facilities throughout Los Angeles.

The City of Seattle has negotiated a trade with DWP where they dedicate their existing green power to the Department, in exchange for new green power.

Program Accomplishments (continued)

The Green Power program already is creating jobs and income for some 50 community based organizations (CBOs) throughout Los Angeles and the San Fernando Valley. Some of DWP's CBO partners are FAME Renaissance, CHARO Community Development Corp., Watts Labor Action Committee, and TELACU. Approximately 100 community residents employed by these organizations are bringing the concept of green power to thousands of customers by going door-to-door within their neighborhoods. The goal of the CBO portion of the green power program is to enlist 50 organizations to promote "Green Power for a Green LA."

Because of DWP's aggressive pursuit of green power, renewable energy providers are looking at Los Angeles as a future home to generate new sources of energy. In the words of Ed Begley, Jr., actor and environmentalist, "with the DWP Green Power program, Los Angeles can become the international capital of renewable energy." The emergence of this new industry in the city will bring countless jobs to Los Angeles and create numerous business opportunities to support the industry.

Arco Tower
515 South Flower Street
Los Angeles, California 90071-2200
Tel: 213.629.4974
Fax: 213.629.5269

Josh Gertler
Vice President

MEMORANDUM

TO: Lucia Wyman
FROM: Josh Gertler
RE: DWP's Climate Change Awareness Day
DATE: April 4, 2000

Thanks so much for your assistance with the Los Angeles Department of Water & Power's (DWP) invitation to the President for the upcoming Climate Change Awareness Day.

By way of background, DWP will celebrate the one year anniversary of its "Green Power for a Green LA" program this May. To mark this milestone, DWP conceived of an event to expand awareness in Los Angeles -- and throughout the nation -- of the gradual warming of our earth's climate. This alarming trend led to DWP's development of its revolutionary clean energy program, the largest of its kind in the country and distinctive from other programs in that it supports the development of new green resources such as solar, wind, hydropower and geothermal energy.

We would like to continue shaping this event to mirror the President's policy goals on this issue. We have considered the overall message, event visuals and diversity of participants. Following are more detailed descriptions of each of these areas.

Message

The gradual change in our climate affects the entire world, who looks to the United States to lead the way in addressing the problem. As consumers of electricity we all have a responsibility to ensure that our need for energy does not come at the expense of our earth. Thanks to DWP, we now have a smart choice in energy with "Green Power for a Green LA."

ATLANTA
AUSTIN
BEIJING
BELFAST
BOSTON
CHICAGO
CLEVELAND
DALLAS
DUBLIN
EMERYVILLE
FRANKFURT
HONG KONG
HOUSTON
JOHANNESBURG
KANSAS CITY
KUALA LUMPUR
LONDON
LOS ANGELES
MANILA
MEXICO CITY
MIAMI
MILAN
MINNEAPOLIS/
ST. PAUL
MONTREAL
NEW YORK
OTTAWA
PARIS
SACRAMENTO
SAINT LOUIS
SAN ANTONIO
SAN DIEGO
SAN FRANCISCO
SHANGHAI
SINGAPORE
TOKYO
TORONTO
WASHINGTON, DC

DWP's Climate Change Awareness Day
Page 2

Participants

Climate change affects us all. Therefore the panel of participants must be diverse, specifically reflecting the Los Angeles community. We recommend including several local and state elected officials in this event including, Governor Gray Davis, Los Angeles Mayor Richard J. Riordan, Los Angeles-area Congressmembers Javier Becerra Loretta Sanchez and Maxine Waters, and California Senators Barbara Boxer and Dianne Feinstein. In addition, we should extend invitations to the entire Southern California delegation.

Visuals

We envision this event taking place at the downtown Los Angeles headquarters of DWP. The backdrop would be the world's largest solar carport, one of the city's largest renewable energy sites.

For additional background, attached are more extensive briefing materials on DWP's Green Power program.

We look forward to working with you on this terrific event.

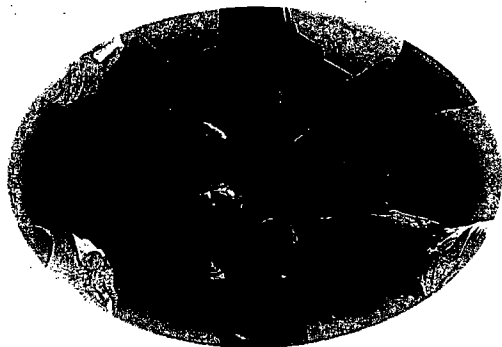
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GreenPower for a Green LA
[Booklet]



We share your concern for the environment.
By signing up for green power you can make a difference and
her we can make LA a more beautiful place for us and for our children.

BUSINESS REPLY MAIL

FIRST CLASS MAIL PERMIT NO 3972 SUN VALLEY CA

POSTAGE WILL BE PAID BY ADDRESSEE

ACCOUNT SERVICES
GREEN POWER FOR A GREEN LA
LA DEPT OF WATER AND POWER
PO BOX 10210
VAN NUYS CA 91499-6006



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Green Power for a Green LA Program
Los Angeles Department of Water and Power
Account Services
PO Box 10210
Van Nuys, CA 91410-0210

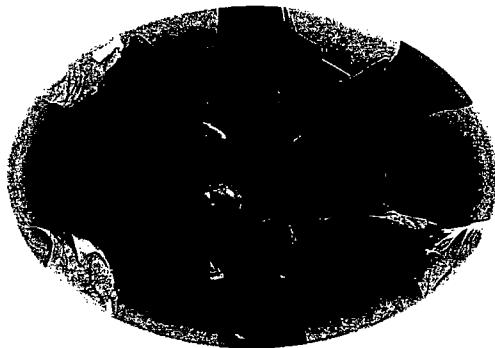
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Green Power for a Green LA

Renewable energy program for cleaner air and a greener Los Angeles

Los Angeles Department of Water and Power





We share your concern for the environment.
By signing up for green power you can make a difference and
together we can make LA a more beautiful place for us and for our children.



Green Power for a Green LA Program
Los Angeles Department of Water and Power
Account Services
PO Box 10210
Van Nuys, CA 91410-0210



Green Power for a Green LA

A renewable energy program for cleaner air and a greener Los Angeles

Los Angeles Department of Water and Power

91410-0210



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Power for a Green LA - our commitment for cleaner air and a greener Los Angeles

Power for a Green LA Program gives our customers the opportunity to help bring new energy resources to Los Angeles. The program replaces electricity from power plants with energy generated from renewable resources, like the sun, wind, and water. Power means cleaner air and a greener Los Angeles for us and for our children.



Power for a Green LA - a commitment to the efficient use of energy



The price for new green power is slightly higher than power generated from conventional sources such as coal and oil. DWP's residential green power program enables you to choose 100% renewable energy with 20% coming from new sources. The extra cost for this package, approximately \$3 a month for the average customer, can be offset by free energy efficiency products and services provided by DWP.

Power for a Green LA - our commitment to the environmental education of our children



Arver Middle School

The Green Power for a Green LA Student Contest is a part of LADWP's continuing effort to raise environmental awareness among young people. Our Cool Schools program has planted thousands of trees in our schools. Trees provide shade, cooler playground temperatures, cleaner air for our kids, and lower energy bills.

QUESTIONS AND ANSWERS

What is Green Power?

Green power is electricity produced in an environmentally-friendly manner. Sources of green power include the sun, wind, and water, which are pollution free and natural.



Why should I sign up for green power?

The use of non-renewable sources of electricity contributes to air and water pollution, which affects all of us. By signing up for green power, you are helping to protect the environment. Green Power means cleaner air and a greener LA for us and our children.

Is green power more expensive than conventional power?

Yes. Environmentally-friendly generation of electricity costs more than using conventional methods of generation. Yet, many conventional sources of energy would not be economically competitive if we were to pay their full costs, including damage to the environment and human health. These costs are not reflected in our energy bills.

How much will signing up for green power cost me?

Signing up for green power will increase your electricity cost by 6%, or \$3 for every \$50 of your electric bill. However, the energy efficiency component of the program is designed to minimize the overall increase of your bill.

Can energy efficiency offset the cost for green power?

Yes. We will start by sending you two free energy efficient light bulbs that alone can save you over \$30 per year. You will also receive a free home energy audit and additional benefits after joining the program.

Does LADWP intend to help develop new green power projects?

Through the Green Power for a Green LA program, LADWP buys electricity only from new renewable generation sources such as solar, wind, biomass and geothermal. Many of these new facilities will be located in the city, creating jobs and improving the environment. In order to justify developing these new generation sources, we are asking our customers to sign up for a minimum of 12 months.

If enough customers sign up, we can enlarge the market for green power and help make it a cost competitive alternative to power generated from fossil fuels such as coal.



As a non-profit, community-owned utility, we are concerned about making LA a better place to live. With your help we can make cleaner air a reality. Together, we have the power to make a difference.

For questions concerning the Green Power for a Green LA program please contact us:



Green Power for a Green LA Program
Los Angeles Department of Water and Power
Account Services
PO Box 10210, Van Nuys, CA 91410-4010



800-GREEN LA (800-473-3652)



www.GREENLA.com

For information and program updates, visit our website at www.GREENLA.com

To sign up for green power, please fill in the card below and mail it back.

Printed on recycled paper.

Yes, sign me up for green power!

NAME _____

ADDRESS _____

CITY _____ ZIP _____

PHONE OR E-MAIL (Optional) _____

☐ I hereby authorize LADWP to sign me up for the Green Power for a Green LA program.

PLEASE INITIAL _____ DATE _____

Residential

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Green Power for a Green LA - our commitment for cleaner air and a greener Los Angeles

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Darlene H., Carver Middle School

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800-GREEN LA (800-473-3652)



www.GREENLA.com

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Yes, sign me up for green power!

NAME _____

ADDRESS _____

CITY _____ ZIP _____

PHONE OR E-MAIL (Optional) _____

☐ I hereby authorize LADWP to sign me up for the Green Power for a Green LA program.

PLEASE INITIAL _____ DATE _____

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DWP Residential Solar
Power Programs
[Brochure]



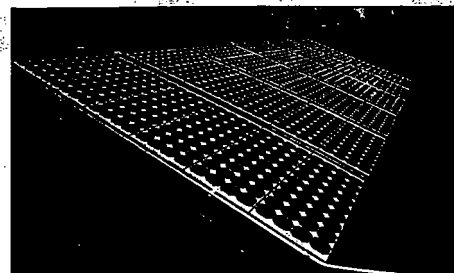
STGC PLN RM 1529
LOS ANGELES DEPARTMENT OF WATER AND POWER
PO BOX 51111
LOS ANGELES CA 90099-5520

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UNITED STATES

Ideal Solar Power homes meet certain conditions



Typical Residential Solar Power System

Roofs should be in good shape. Roofs must be less than ten years old, sloped or flat, composition asphalt shingles or built up roofing. Shake and tile roofs are not eligible for the hosting program.

Roofs need to have at least 300 square feet of unobstructed area facing south or west or both, and have full sunlight without shadows from 10:00 am to 6:00 pm in summer.

Homeowners and Landlords who are Los Angeles Department of Water and Power customers can take advantage of two Solar Power options.....

Concerned about:
Global warming
Air Pollution
Dependence on Foreign Oil
Or
Just want to generate
your own electricity



Contact Information:

If you are interested in Solar Power
please mail in the
attached Information Card
or view our new GreenLA Website,
www.greenla.com

Not a LADWP customer?

Contact the California Energy Commission
(800) 555-7794
www.energy.ca.gov



DWP Residential

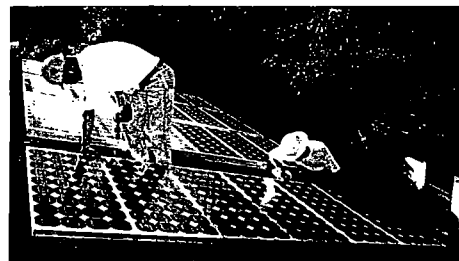
Solar Power

Programs

Solar Power is the power source of the future

Using a technology called Photovoltaics, electricity is produced directly from the sun without burning coal, oil or natural gas.

Every year, a two kilowatt (2kW) Solar Power system on a residential roof in Los



Angeles can eliminate the need to burn 3700 pounds of coal from burning which results in 5,000 pounds of carbon dioxide.

A typical 2kW residential rooftop solar power system produces 3,600 kW hours per year, which would provide about half the annual electricity needs for an average home.

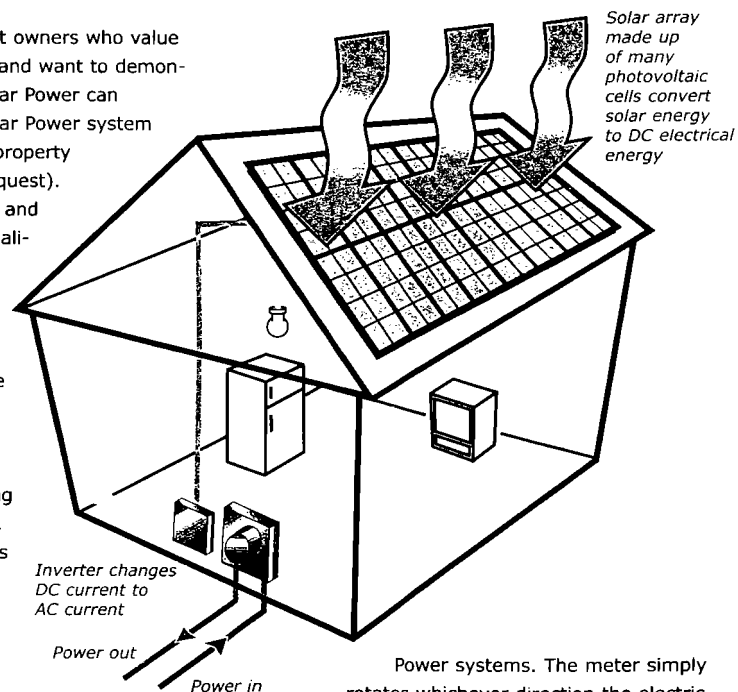
Solar Power Hosting Program

Homeowners and apartment owners who value the environmental benefits and want to demonstrate the practicality of Solar Power can request LADWP install a Solar Power system on their roofs (the deeded property owner must approve the request).

LADWP will install, own and maintain the systems on qualified homes or apartments free of charge.

The electricity produced is fed back into the electricity grid. Participants continue to pay for all electricity used and receive no discount. Hosts benefit from the satisfaction of globally helping the environment from home.

Host Solar Power systems do not provide backup power to the home.



Solar Power Ownership Program

LADWP will provide a buydown subsidy to make grid connected Solar Power systems more affordable to homeowners. This program is designed for homeowners who want to buy a Solar Power system.

The homeowner who purchases a system saves the cost of electricity produced by the solar panels. "Net Metering" is in effect for LADWP customers who own Solar

Power systems. The meter simply rotates whichever direction the electricity is flowing. The customer is billed for net electricity used off the grid (very few customers produce more than they use). In effect, LADWP behaves like a storage battery for Solar Power system owners.

The net installed cost for a 2-kilowatt system is approximately \$10,000.

Ownership systems can be installed on tile roofs and include optional battery backup systems at additional cost. Homeowners can finance the systems as home improvements with various lenders.

Drop this Card in the Mail Today!

Name _____

Address _____

City _____ Zip _____

Home phone number _____

Work phone number _____
(best time to call)

Email _____

Are you an LADWP customer?

Yes ____ No ____

Do you own the property where you live?

Yes ____ No ____

Type of roof: Asphalt shingle _____

Asphalt built-up _____ or Tile _____

Age of roof _____

Existing roof _____ Re-roofing soon _____

Remodeling _____ New construction _____

Slope of roof: Low _____ Medium _____

Steep _____ Flat _____

Does your roof have at least 300 sq. ft. of clear space facing south or west or both?

Yes ____ No ____

Does this space receive full sun from 10:00 am to 6:00 pm in the summer?

Yes ____ No ____

Are you interested in hosting a system?

Yes ____ No ____

Are you interested in owning a system?

Yes ____ No ____

DWP Residential
**Solar
Power**
Program

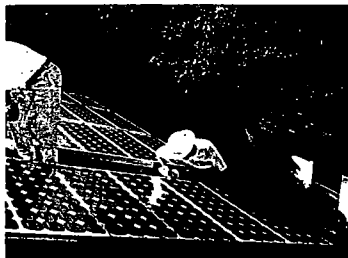
**LA
DWP
SOLAR**



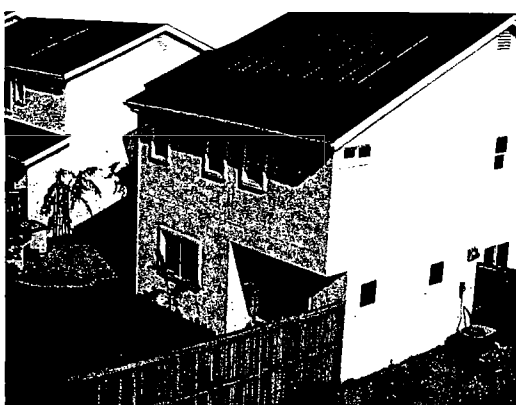
TEAR, FOLD AND SEAL

**Power
Power source
Structure**

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eliminate the need to burn 3700 gal from burning which results in lbs of carbon dioxide. A 2kW residential rooftop solar power produces 3,600 kW hours per year, which is about half the annual electricity of an average home.



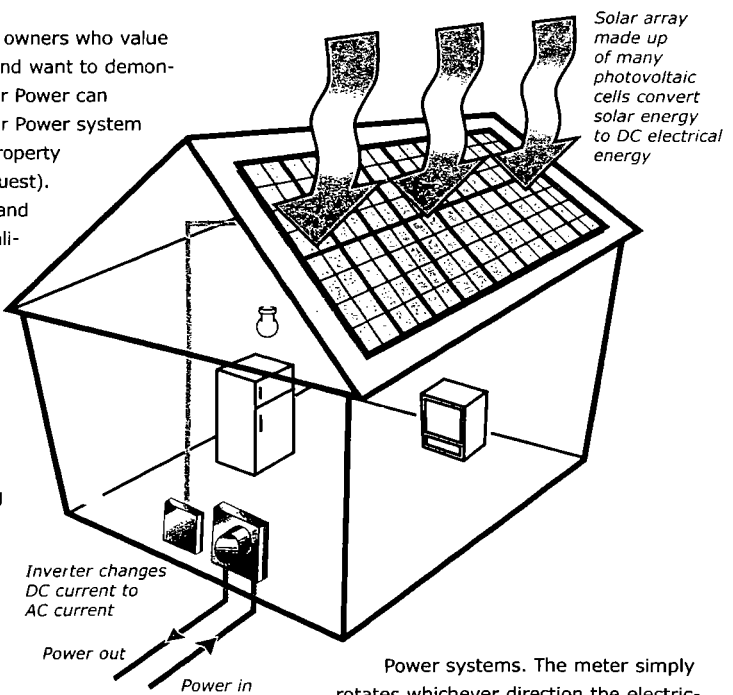
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Yes ____ No ____

Are you interested in owning a system?
Yes ____ No ____

DWP Residential

**Solar
Power**

Programs



TEAR, FOLD AND SEAL

Did you know?



Electric vehicles will put Los Angeles on the road to cleaner air.

- The South Coast Air Basin, which includes Los Angeles, is the smoggiest region in the entire nation.
- The 9 million gasoline and diesel-powered vehicles in the basin produce almost two-thirds of that smog.
- Electric vehicles produce no tail pipe emissions, and are 97 percent cleaner than gasoline-powered cars, even accounting for emissions from power plants which generate the electricity to recharge EV batteries.
- Replacing just 1000 gasoline-powered cars with 1000 EVs can remove 135 tons of pollution from the air each year.



Electric vehicles can meet the needs of L.A. commuters, and make owning a car easier.

- L.A. residents drive an average of just over 40 miles per day. A fully charged EV can travel 50–100 miles today before needing a recharge.
- Battery charging will occur primarily at home overnight — which is the most convenient and economical time to charge.

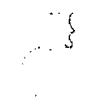
- EVs have far fewer moving parts than gasoline-powered cars. That means no more tune-ups or oil changes, and less time spent on maintenance.
- In addition, EVs are quiet, clean and fun to drive.



The DWP is working to make L.A. an “EV-friendly” city.

- The DWP already offers a discounted EV charging rate to eligible customers. With the discount, it costs about \$1 to charge a vehicle at home overnight. That \$1 is good for 50–100 miles.
- EV charging stations are being installed throughout the city by the DWP to allow for “opportunity” charging during the daytime.
- In conjunction with various agencies in Los Angeles, the DWP is working to develop preferential parking and other incentives for EV users, to dedicate a percentage of spaces at parking lots as EV-ready, to introduce various electric public transit projects, and much more.

There's more



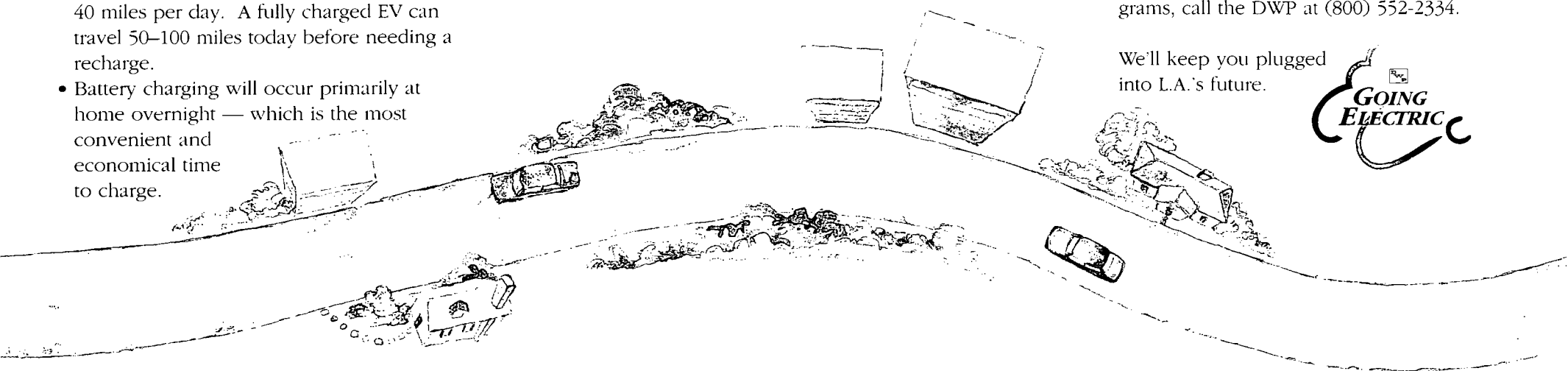
EVs provide a host of other benefits, such as:

- Economic growth. Production of EVs will create the opportunity for thousands of new jobs in manufacturing, distribution and support fields.
- Reduced dependence on foreign oil. Over half of the petroleum currently used in this country goes to the transportation sector.
- Increased efficiency of electric power systems. Since recharging primarily will occur at night, when power demand and costs are lower, EVs will help power companies operate more efficiently and economically, and stabilize electric rates for ALL customers.

You're in a perfect position to help shape the future as we work to steer transportation in a new direction.

Be a part of it. To find out about charging stations for your home or business, or to learn about other electric transportation programs, call the DWP at (800) 552-2334.

We'll keep you plugged into L.A.'s future.





Los Angeles is "charged up" about the future . . . a future with convenient, economical, clean-fueled electric vehicles (EVs).

Before 1996, the number of EVs on the nation's roads totaled about 2300, and most were supplied by converters and small manufacturers. However, that all changed when major automakers announced plans to begin offering consumer and fleet EVs for sale or lease starting as early as the fall of 1996.

Southern California will serve as a key market for initial EV placement by these companies, who eventually must comply with a state regulation which requires that 10 percent of new vehicles offered for sale starting in 2003 produce zero tail pipe emissions. EVs are the only vehicles which currently meet this standard.

Here's what electric vehicles will mean to the city and to you, and what the Los Angeles Department of Water and Power is doing to help make them a part of our everyday lives.

Los Angeles Department
of Water and Power
P.O. Box 111 Room 1514
Los Angeles, California 90051

Electric Transportation
Hotline: (800) 552-2334



Los Angeles  Department of Water and Power

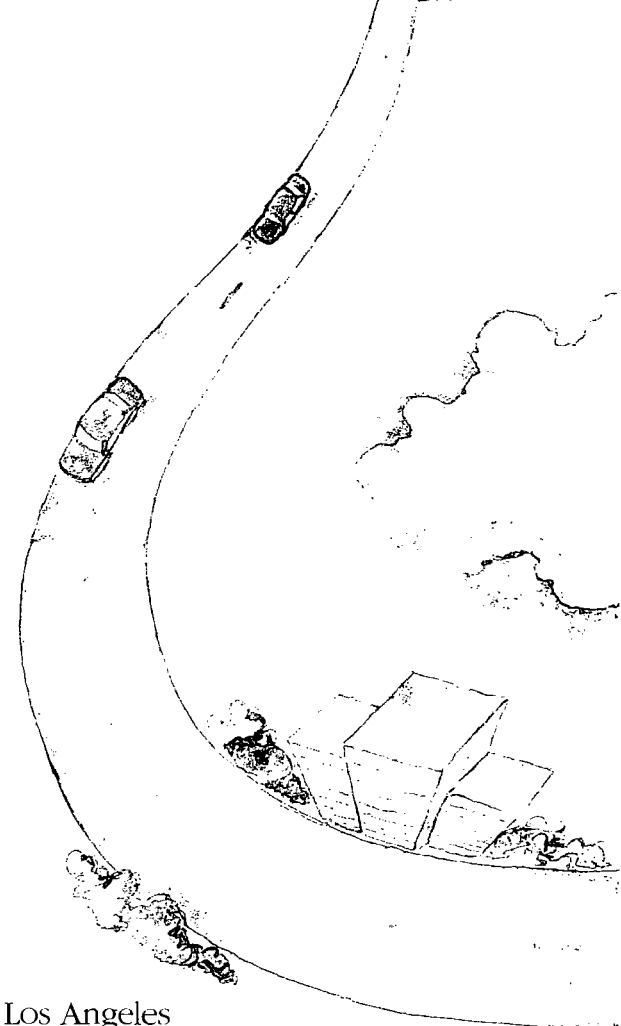
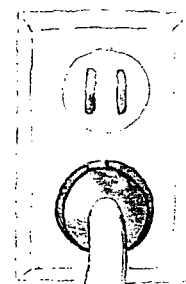


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Electric
Vehicles . . .

Plugging
Into a
Clean-Air
Future



Los Angeles
Department of Water and Power

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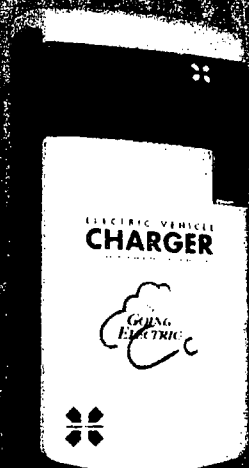
Charging into the



21st Century



Making Electric Vehicle Use
a Reality in Los Angeles



BROUGHT TO YOU BY:

The Quick Charge L.A. Electric Vehicle Infrastructure Program

Los Angeles Environmental Affairs Department • Los Angeles Department of Water and Power
Mobile Source Air Pollution Reduction Review Committee

HOOPER OWEN & WINBURN
801 Pennsylvania Avenue NW
Washington, D.C. 20004
PHONE 202.638.7780
FAX 202.638.7787

VIA FACSIMILE

DATE:

May 2

FROM:

LUCIA WYMAN
(202) 638-7780

TO:

Bryce Ballentine

FAX #:

456-1736

PAGES (INCLUDING COVER): 2

MESSAGE:

IF YOU HAVE TROUBLE RECEIVING THIS FAX, PLEASE CALL EILEEN AT (202) 638-7780

Lappen is no stranger to the law; he used to be a trial attorney before veering into the auto rental biz. He says he dealt with few insurance claims during his time in court, but hopes to deal with plenty of them now.

"I love cars," said Lappen. "After 31 years of messing with people and their legal problems, this is what I want to do."

Mystery Date

Some media-types might have been a little hooked last week by a racy invitation that came via messenger.

The anonymous and suggestive packets included a condom and a hand-written note reading, "Hey Tiger, Meet me by the basketball court on Thursday at 4:30. Don't be late. - D."

Turns out it was an invitation for an event at WBA/Chia/Day to help unveil the agency's ad campaign for dr.drew.com, the Web site offering sex advice, chat rooms and lots of free condoms.

Were any media people around town offended by the racy come-on?

"Nah, I know my people pretty well," said Jeremy Miller, director of public relations at the ad agency who answered the phone at the RSVP number. "They're all intrigued, though."

Indecipherable

Take a look at that scribble of a prescription our doctor wrote and try to read it. Just try.

Cedars-Sinai Medical Center is doing something about it. Next week, Dr. Paul Hackmeyer, chief of the medical staff, will hold an in-house clinic to help signature-impaired doctors.

Among the 50 physicians who signed up for the workshop is kidney specialist Dr. Marshall Fichman, who colleagues say is legendary for his illegible scrawl.

"I do have terrible handwriting. What can I say?" Fichman admitted. "I got straight As in the third grade and a B-plus in penmanship. It has been downhill ever since."

Environment-Friendly Power Proves Popular with Angelenos

By HOWARD FINE
Staff Reporter

Consumers may not want to shell out thousands of dollars to buy electric cars, but it seems they are willing to pay \$10 or \$20 a month more to buy cleaner power.

That's what the city of L.A. Department of Water and Power has found out during the 11 months its green-power program has been up and running. As of April 21, the DWP had signed up 34,000 customers, at a rate nearly twice as fast as the statewide average for power providers. And this has been accomplished with only minimal marketing efforts so far — largely through inserts in DWP bills.

"People are voting with their pocketbooks for cleaner power," said DWP General Manager S. David Freeman. "But the green-power program is only now just leaving the runway. In the next few years, it will really soar as the price of clean power falls."

Surprisingly, the greatest demand for green power has not been from wealthy Westside environmentalists, but from customers in South L.A. and the San Fernando Valley.

"Clean" or "green" power is generated from renewable resources, including wind, the sun, geothermal power, hydropower and even methane gas emitted from landfills.

These alternative energy sources — chiefly hydropower — already generated more than 10 percent of the state's power supply before electricity deregulation kicked in two years ago.

But until now, the DWP has not delivered any additional clean power to its customers since launching its "green" program last June. That's because the L.A. City Council required the agency to reach a 20,000-customer thresh-

old before it could sign its first contract with an alternative energy source.

With that threshold now surpassed, the first additional clean power — generated from wind turbines — is set to flow through the DWP's power grid beginning this week.

The DWP is far from alone in signing up more green-power customers than expected. In fact, the green-power market is by far the fastest growing segment of California's electricity marketplace.

But more people have signed up than the CEC expected, largely because of a rebate program set up by the state Legislature to encourage the use of green power. So many people have signed up that the commission earlier this year was forced to scale back the rebate from 1.5 cents per kilowatt hour to 1.25 cents per kilowatt hour, and is now considering cutting the rebate further to 1 cent.

Meanwhile, the DWP is signing up customers even faster than the rest of the state's power providers. In less than a year, it has signed up about 3.5 percent of its total customers; statewide, about 2 percent of power customers have signed up for green power over the course of two years.

When consumers sign up for green power, they don't necessarily receive power generated from alternative sources. Rather, the electricity provider uses the premium paid by such customers to buy additional power from one or more of these renewable sources and put it on the power grid, thereby reducing the overall percentage of power generated from fossil fuels.

Power from alternative sources typically cost anywhere from 5 percent to 30 percent more than fossil-fuel-generated power; much of that additional cost is offset by the California Energy Commission rebates.

Ready for the Revolution?

Internet technology is changing the way companies do business. Radically and forever.

Leaders are using the Internet to reinvent themselves. Creating virtual companies. Putting service ahead of product. Moving toward market-driven pricing.

Emerging Internet technology in turn, more cost-effective service

Assembly Bill 22 stalled in committee.

Stoorza Ziegans & Metzger

Assembly Bill 22 stalled in committee.

Significance of Federal Projects

Fort Carson

Colorado

Hammer Award nomination in recognition of our commitment to the project's success even though project incomplete. Hammer Award salutes outstanding efforts by public/private partnerships in the improvement of government operations and efficiencies.

Hill Air Force Base

Utah

First ever basewide military ESPC – reduction in energy, operating and maintenance costs helped restore economic viability of the base – home of the world's largest sulfur lighting installation which is a DOE pilot project – award winning project – benchmark to use in implementing Federal ESPC's – a truly comprehensive approach to energy management.

Statue of Liberty/Ellis Island

New York Harbor

First ESPC for National Park Service – includes specialty museum lighting – high visibility ESPC site facilitates successful technology transfer efforts across all federal agencies and other institutions with capital renewal needs.

US Army – Fort Stewart

Georgia

Largest Army installation east of the Mississippi River - retrofit of Ft. Stewart's existing propane/air peak shaving facility to upgrade capacity enabled the Army to purchase natural gas at an interruptible rate, thus providing cost savings on the purchase price of fuel.

US Army Depot – Corpus Christi

Texas

First Shared Savings project by the Department of Defense.

FORT CARSON, COLORADO

This basewide project is just underway with 5 Task Orders planned. The total value of the project will be well over \$17.0 million. What's interesting about Fort Carson is the fact that the Garrison Commander will be nominating Sempra Energy Services for The Hammer Award even though the project is incomplete! This award is given out by the Vice-President of the United States for outstanding efforts by public/private partnerships in the improvement of Government operations and efficiencies. While we have only completed Task Order 1, a small portion of the overall project, our efforts, zeal and commitment to the success of the ESPC contract have caught the attention of the Garrison Commander and the Director of Public Works.

Task Order 1 – Replaced one 1200 Ton High Temp Hot Water Absorption chiller with a 1200 Ton electric chiller. Installation is complete, however, due to some cooling tower problems which are now resolved, we have not been able to operate the system since the cooling season is over. Startup will be Spring 2000. Installation cost is \$646,000 with projected annual savings of \$140,139.

Task Order 1a – Involves replacement of a second chiller as above plus a basewide lighting retrofit and and energy management control system for the Cooling Plant.

Task Order 2 – Will actually be a MEDCOM proposal for work at Evans Army Hospital and other medical activities at Fort Carson. Work to include lighting, energy management systems upgrades and relocation of a high temp hot water plant. Estimate value is \$5.0 million.

Task Order 3 – Basewide lighting and other mechanical work. Size to be determined.

Task Order 4 – Conversion of irrigation systems from potable to non-potable water. Involves installation of approximately 5.0 miles of new piping, controls and negotiation of a new rate from Colorado Springs Utilities.

Task Order 5 – Central Heating Plant Modernization. Involves design and installation of new high temp hot water piping distribution system (about 50 miles of supply and return piping). Estimated value \$10-\$12 million with \$7.0 million buydown by the Army.

HILL AIR FORCE BASE (TASK ORDERS 1-7)

LOCATION:
Ogden, Utah



Size/description: 1,400 buildings; 12.5 million square feet; Work separated into 7 "Task Orders" with savings paying for costs in each Task Order; Estimated eventual total construction contract value is \$20 million in total.

Tentatively scheduled to be phased out by the Air Force, Hill AFB helped to restore its own economic viability by contracting with SES to reduce energy, operating and maintenance costs while modernizing capital equipment. Work is accomplished by multiple "Task Orders" that are each built around the replacement or upgrade of a major item or system of energy-consuming equipment, such as retrofitting CFC-charged chillers. SES packages these expensive capital items with other Energy Conservation Measures (ECMs) that have quicker paybacks and higher levels of savings in relation to their initial cost. Each Task Order is expanded to include enough additional ECMs and buildings to cost-justify the entire Task Order, including the more expensive major equipment items.

Project Cost: \$20,544,983 Total

Project Start/End Dates: July 1994 – July 2013

Client Contact: Mr. Steve Hutton, Contract Administrator 801.777.0196
Mr. Kent Nomura, Energy Manager 801.777.5419

Type/Term of Contract: 20-year Basewide Federal Energy Savings Performance Contract; guaranteed paid from savings; with Demand Side Management Incentives from the regional electric utility.

Financing

Type: Taxable Lease Purchase

Terms: 20 Year Term, 5 year build out, 15 year performance period

Contact at Financial: Jon Ahlberg

Organization: Dana Commercial Credit 419.997.7566

SES's Role: Developer, General Contractor, Energy Auditing, Design Engineering, Financing, Project Manager, Lighting and EMCS installation

ECMs Implemented: ECMs installed in various Task Orders to date have included:

- Installed new chillers
- Installed cooling towers
- Installed variable speed drives on pumps and air handling units
- Installed Energy Management and Control Systems
- Installed Economizer Controls
- Comprehensive lighting retrofits, including sulfur fusion lighting in high-bay hangars as U.S. Department of Energy pilot project
- Steam trap repairs,
- Valve replacement

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 **Sempra Energy**
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Member CES/WAY

- Insulation of steam lines
- Installed computerized control of exterior irrigation systems

Annual Energy Savings

Task Order 1

Projected: \$444,259
Achieved: To Be Determined

Task Order 2

Projected: \$799,941
Achieved: To Be Determined

Task Order 4

Projected: \$695,404
Achieved: To Be Determined

Task Order 5

Projected: \$406,904
Achieved: To Be Determined

Task Order 6

Projected: \$395,096
Achieved: To Be Determined

Task Order 7

Projected: \$252,005
Achieved: To Be Determined

Major Subcontractors:

Mechanical – CCI Mechanical
Lighting – SES
Controls – SES (Andover)
Electrical – Casche Valley Electric

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 **Sempra Energy**
SERVICES
A COMPANY OF CELGROW

SUMMARY OF CANDIDATE'S QUALIFICATIONS

Use this area to detail reasons your candidate should receive an AEE Award. If nominating a candidate in more than one category, be sure you list the candidate's particular qualifications for the specific award checked. Blank form may be copied before submitting more than one entry. Please type.

Deadline for entries is March 1, 1999.

Hill AFB
Although the federal government has completed several isolated energy savings projects elsewhere, Hill AFB near Salt Lake City, Utah is the first base-wide, fence-to-fence capital retrofit of energy-consuming equipment and one of the most comprehensive projects yet undertaken.

Hill AFB has over 15,000 employees and represents the largest employer in the state of Utah. The base's total utility bill is approximately \$14,000,000 per year, making Hill the second largest utility consumer in the state of Utah.

Activated in 1939, Hill built up rapidly during the war. It now serves as a home base for two F-16 fighter wings and is one of five Air Force Logistics Centers which have significant industrial or manufacturing/repair activities. They are known as Air Force Materiel Command Centers. The base serves as a key repair/remanufacturing site for landing gear, air frames, avionics and guidance systems for other Air Force bases around the world, and, therefore, requires significant energy utilization for process needs as well as HVAC equipment.

Tentatively scheduled to be phased out by the Air Force, Hill helped to restore its own economic viability by contracting with CES/Way to reduce energy, operating and maintenance costs while modernizing capital equipment with an 18-year base-wide Energy Savings Performance Contract.

Having been selected by Hill's electrical utility, Utah Power & Light Company, to perform DSM services throughout its service territory, CES/Way is providing Hill AFB some \$2.3 million in DSM incentives to assist with the retrofit.

Hill is spread over 12,500,000 square feet in 1400 buildings. Because of the sheer size of the project, the energy conservation work at Hill is subdivided into 7-10 Task Orders to be implemented over a five-year period, with savings paying for costs in each Task Order. Estimated eventual total construction value of the Hill AFB project is \$20-\$25 million.

Task Order 1 was completed in August 1995 with a retrofit of 13,218 lighting fixtures in 30 buildings and mechanical and energy management system upgrades in 1 of those buildings. Task Order 1's installation cost was \$2.3 million.

Task Order 2, completed September 1995, consists of a lighting retrofit and major mechanical work within the hospital central plant at a cost of \$3.5 million.

Task Order 4 consists of base-wide steam system repairs, mechanical retrofits in 2 buildings and lighting retrofits in 49 buildings at a cost of \$2,385,418.

Task Order 5, completed in 1998, includes the largest sulfur lighting installation in the world. Sulfur lighting is the first lighting technology breakthrough since the advent of fluorescent lighting in the 1930's. This new lighting technology was applied by CES/Way in a Hill maintenance hangar for C-130's and F-16's as a pilot project for the government and the U.S. Department of Energy. Measurement and verification of savings is in process.

Task Order 6 is under construction and is comprised of a complete lighting retrofit in 131 buildings plus additional sulfur lighting in high and low bay areas. Installed cost of Task Order 6 is estimated at \$4.5 million with a \$395,096 savings projection.

Task Order 7, also under construction, includes lighting and a basewide automated irrigation control system. Estimated cost is \$3.0 million with \$252,005 annual savings projected.

This performance contract differs from many performance contracts in that the ECMs which provide short payback periods are used to finance a significant number of ECMs that address operational problems, but do not pay back on their own merits within usual time constraints. The large scale and long term of the overall project provides the basis for fundamentally sound energy conservation opportunities which otherwise would be ignored.

Because this is a base-wide project, tasking is being used to systematically package and implement all ECMs. Each task's energy savings covers the debt service for the construction. CES/Way is also addressing Hill's energy conservation needs through changes in operating procedures. In a truly comprehensive approach to energy management, CES/Way has analyzed the procedures and scheduling used for various Base operations and proposed changes that will reduce their demand for energy. These include "batching" parts to be repaired or serviced so that the related equipment runs only when needed, implementing computerized scheduling and tracking of parts, and scheduling the use of high-energy-consumption facilities such as machine shops for off-peak hours when electricity demand charges are lower.

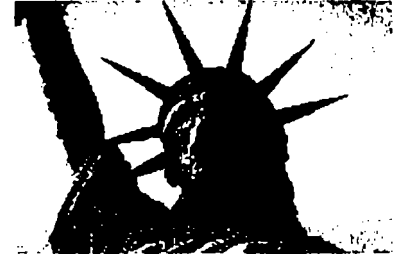
The Hill AFB project captured a U. S. Environmental Protection Agency Green Lights award in October 1996 for their efforts to convert to more energy-efficient lighting systems. The sulfur lighting installation of Task Order 5 at Hill also garnered recognition from *Energy User News* in 1998.

Hill AFB not only helped restore its own economic viability by contracting with CES/Way to reduce energy, operational and maintenance costs, but they also receive the benefits of modernized, upgraded capital equipment. The jobs of the largest employer in the area are retained and Utah Power & Light helps its second largest user save thousands of megawatt-hours of electricity that can be sold to other customers.

For the Department of Energy and its Federal Energy Management Program (FEMP), Hill is a benchmark to use in implementing Energy Savings Performance Contracting throughout the federal government as the way to do business.

STATUE OF LIBERTY/ELLIS ISLAND NATIONAL MONUMENT**LOCATION**

Ellis Island, New York



Size/description: 350,000 square feet/National Monument

Project Cost: \$1,000,652

Project Start/End Dates: July 1995 – July 2010

Client Contact: Mr. Richard Wells 212.363.4482

Type/Term of Contract: 15 Year Federal Energy Savings Performance Contract; Guaranteed Paid from Savings; with Demand Side Management Utility Company Incentives

Financing

Type: Taxable on-balance sheet secured by SES

Organization: Dana Commercial Credit

SES's Role: Energy Auditing, Financing, Project Management, and monitoring

ECMs Implemented:

- Specialty museum lighting which limits the ultra-violet (UV) lamp emissions that can damage the precious national artifacts displayed in the monuments but still maintains stringent standards for illuminating the display areas
- Installation of variable speed drives on air handling units and pumps
- Installation of Energy Management Control System for the Statue of Liberty

Annual Energy Savings

Projected: \$155,000

Achieved: \$172,000

DSM Incentive \$50,000/yr.

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 **Sempra Energy**
Services
Partners in CES/WAY

NOMINATION FORM ADDENDUM

STATUE OF LIBERTY AND ELLIS ISLAND NATIONAL MONUMENT New York Harbor

1. Briefly describe the project you are nominating:

With the Energy Policy Act of 1992, the federal government has a mandate to lower costs any way their agencies can. So, during a visit the Liberty and Ellis Island Monument by Department of Energy (DOE) officials, the Superintendent of the Monument mentioned their desire to reduce the site's high utility bills. The National Park Service (NPS), which manages the site, also needed to replace aging systems at both Ellis and Liberty. They answered both situations by issuing a request for proposals.

The result was an Energy Savings Performance Contract (ESPC) offered by CES/Way International, Inc. which upgrades the two historic landmarks and reduces their approximate \$1,000,000 annual energy cost by about 17%. The project addresses improvements to the infrastructure at no expense to taxpayers but, rather, out of annual savings the Park Service is guaranteed to achieve.

Since ESPC's are a relatively new form of contracting for the federal government, in general, and for the National Park Service in particular, it required adapting to a new way of doing things. The DOE's National Renewable Energy Laboratory assisted the NPS staff with many aspects of the project and played a pivotal role by providing their ESPC model solicitation.

The NPS was looking for comprehensive energy management as opposed to simple bulb replacement for its first ever ESPC.

CES/Way put variable speed drives on pumping and air handling units, performed a lighting retrofit on both the Statue and Ellis Island and installed a new energy management system at the Statue to match the existing one at Ellis Island. Additionally, the energy management system at the Statue is designed to set back temperatures at certain times and open and control outside air dampers to use "free cooling". CES/Way will also assist in monitoring and servicing operations for continued efficiency over the 15-year contract.

Because a lot of the exhibits were perishable, the project had to be carefully engineered and handled.

The 75- and 150-watt incandescent bulbs in museum track lights were replaced with 45- and 60-watt halogen floods. Open area office lighting was retrofitted from 40-watt T12 fluorescent lamps and magnetic ballasts to 32-watt T8 lamps and electronic ballasts. Incandescent globe and wall-sconce fixtures were made more efficient with 13-watt compact fluorescent lamps (CFLs). Over 4000 fixtures were upgraded, with neither lighting quality nor historic preservation considerations being compromised.

The majority of HVAC savings occurred at Ellis Island and focused on installing variable-speed drives (VSDs) on each of four 25,000-cubic-feet-per-minute (cfm) air handling units and chilled water pumps. The air handling systems originally were sized for summer peak conditions, which occur only about 100 hours per year. Chilled water systems at Ellis operate

year-round. The pumps now constantly operate at 50 to 60 percent of their speed during winter months and energy is reduced to less than 1/4 of what previously was used.

Besides lighting at the Statue of Liberty, efforts focused on installation of an energy management system (EMS). Rather than having lighting and air handling systems operate 24 hours, which was the case, they are now on a time schedule. Systems automatically turn on at 6:30 a.m. when staff members arrive and turn off at 10:30 p.m. when cleaning crews leave. More precise control of interior temperatures also results because systems no longer are operated manually.

Monthly energy reports are sent to a third-party monitor that verifies projected savings are met. The system also allows engineers to tap into operations periodically, thereby troubleshooting or correcting problems should savings fall.

As a result of the success already seen, the NPS has been able to renovate two additional buildings at Ellis Island with similar efficiency measures and plans to continue implementing efficiency measures in the works for the immediate future and the long term.

Since this is such a high visibility site for an ESPC, it facilitates successful technology transfer efforts across all federal agencies and other institutions with capital renewal needs. Inquiries have been received about the upgrades at the site, and the improvements are pointed out to official visitors.

3. Describe any particularly innovative aspects of the project

Criteria for both historic preservation and improved energy efficiency were met in this project.

For instance, new specialty museum lighting which limits the ultra-violet (UV) lamp emissions that can damage the precious national artifacts displayed in the monuments was installed while still maintaining stringent standards for illuminating the display areas.

And between 5 and 10 percent of the HVAC savings at Ellis Island is attributable directly to lower cooling requirements resulting from the lighting upgrade.

**9, 11 and 17 footnote:*

The Statue of Liberty and Ellis Island project began in July 1995. By October 1995, savings could begin to accumulate as different tasks began to come on line. Therefore, we can show actual savings figures for all of 1996 even though the project was not complete until August 1996.

For instance, actual annual dollar savings January through December 1996 is \$172,793.00 which is more than our projected amount. Actual kWh savings for same period is 2,069,761.

18. List products installed

Halogen floods	Phillips, Sylvania
T8 fluorescents	GE Lighting
Compact fluorescents lamps	GE Lighting
Electronic ballasts	Motorola, Magnetek
Variable speed drives	ABB Industrial Systems, Tulimieri Associates
Direct digital controls	Computrols
Energy management system	Computrols

21. List other parties who played major roles in the project:

Lighting Subcontractor

Prompt Maintenance New York City

EMS Subcontractor

Computrols New York City

VSD Subcontractor

Prompt Maintenance New York City

Consultants

George Sexton Associates

Washington DC

Museum lighting specialists

National Renewable Energy Laboratory

Doug Dahle

Golden, CO

Original contract negotiation, overview of Maintenance & Verification and installation sign-off

STATUE OF LIBERTY

Nomination Form

1. Briefly describe the project you are nominating. Include the motivation for the efficiency improvement, project goals and constraints; design and aesthetic considerations; other issues of economic concern to the building owner:

SEE ATTACHED

2. Project was (check one): ☐ New Construction ☐ Total Rehab/Renovation ☒ Retrofit

3. Describe any particularly innovative aspects of the project (e.g., design solutions, use of new technology, utility rate strategies):

SEE ATTACHED

4. Energy project cost or, in new construction, incremental cost of higher efficiency equipment: \$1.06 MILLION

5. Project payback in years (project or incremental cost divided by annual cost savings): 6.8 PROJECTED

6. Were rebates, grants, or other first-cost-reducing incentives paid toward the cost of this project? How much and by whom?

PUBLIC SERVICE ELECTRIC & GAS \$800,000 DSM Program subsidy

7. How was the project financed? (lump sum payment, loan for X years at Y percent, shared savings) Shared Savings

8. Who paid the initial cost? (user, owner, third party, utility) CES/way, the ESCO

9. Actual or expected annual dollar savings: Projected Annual \$155,000 Actuals 1996-12/96 \$12,600 *See attached

10. In retrofits: cost percentage saved compared with the expense of performing the same task (e.g., lighting, heating) previously; OR, in new installations: percent saved compared with expected annual costs with conventional equipment.

Annual savings 1.7% based on \$1,000,000 in original energy costs

11. Annual units of energy saved (kilowatt hours of electricity, million Btu of natural gas, gallons of fuel oil) 26,700 kWh *See attached

12. In retrofits: percent reduction in units of energy used compared to previous equipment; OR, in new installations, percent reduction in energy use compared to expected annual consumption of conventional equipment.

Annual 44% reduction of kWh based on 1,316,912 kWh baseline

13. Expected product life: EMS 15 yrs. Lighting 5 yrs. HVAC 25 yrs.

14. Describe any ancillary financial benefits or energy savings achieved because of the installation (maintenance, environmental compliance, building occupancy): The National Park Service will see approximately a \$78,865 annual cash flow improvement as a result of this project. Also, they have \$10-12,000 annual replacement bulb cost provided by CES/way, who is maintaining this inventory for the length of the contract.

15. Describe any benefits to the user (e.g., environmental, facility management, employee productivity) in addition to cost savings gained as a result of the installation: Reduction in pollutants of: Carbon dioxide

2.3 million lbs/yr., the emission of which is implicated in global warming; Sulfur dioxide 15,577 lbs/yr. and Nitrogen oxide 5933 lbs/yr. - both causing acid rain.

16. Describe the facility where the project took place:

Facility name: Statue of Liberty and Ellis Island National Monument

Address: New York Harbor

Use (e.g., hospital, office building, paper mill): National Park Service Museum

Owner: Federal government

User is: (check one)

☒ Owner

☐ Tenant

Number of buildings involved: 4

Number of square feet covered by project: 350,000

17. Date project entered service (must be no earlier than 5/1/96): August 1996 *See attached

18. List products installed (use additional sheet if necessary): [example: 14 2-lamp TEB electronic ballasts by Thomas Industries, \$30 each]

Number:

Type of Device:

Manufacturer:

Price:

SEE ATTACHED

19. Facility/energy manager:

Name:

Richard Wells

Title:

Chief of Professional Services

Company:

National Park Service (Dept. of Interior)

Address:

Ellis Island New York, NY 10004

Phone:

212-363-4480

20. Alternate user contact:

Name:

Delores Thompson-Gad

Title:

Contracting Officer

Company:

U.S. Dept. of Interior National Park Service

Phone:

212-363-7778

21. List other parties who played major roles in the project (designer, vendor rep, consulting engineer, contractor/installer).
Use additional sheet if necessary.

Name:

See attached

Title:

Company:

Address:

Phone:

Relation to project:

22. What utility or fuel supplier serves this project?

Company Name:

Public Service Electric & Gas

Project contact:

Joe Prusik

Title:

Dsm Service Consultant

Address:

80 Park Plaza Newark NJ 07101

Phone:

201-430-5314

23. This nomination made by:

Name:

Michael D. Leach

Title:

President/CEO

Company:

CES/Way International, Inc.

Address:

5308 Ashbrook Houston TX 77081

Phone:

713-666-3541

Relation to project:

ESCO

IMPORTANT:

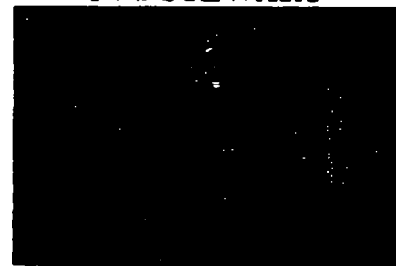
This form must be completed in full! Incomplete forms will be disqualified.

Return completed nomination form with \$150 entry fee by July 1, 1997, to:

ENERGY USER NEWS
Attn: Awards Department
201 King of Prussia Rd.
Radnor, PA 19089

U.S. ARMY – FORT STEWART**LOCATION**

Fort Stewart, Georgia



Size/description: Propane-air mixing plant provides propane/air mixture in periods of natural gas curtailment; Fort Stewart is the largest Army installation east of the Mississippi River. It covers 279,270 acres, which include parts of Liberty, Long, Bryan, Evans and Tattnall Counties. The reservation is about 39 miles across from east to west, and 19 miles from north to south.

Project Cost: \$921,570

Project Start/End Dates April 1992 – April 2007

Client Contact: Mr. Plyler McManus, Contracting Officer 205.955.1709

Type/Term of Contract: 15 Year Shared Energy Savings Plan with 5 year Renewal Option

Financing Type: SES used its local bank, Compass Bank, to finance this project on a taxable basis 15 year amortization of the invested capital.

Terms: 15 year shared savings with a five year renewal option

Contact at Financial: Charles De Lacey, Sr. Vice President

Organization: Compass Bank 713-968-8264

SES's Role: Developer, General Contractor, Energy Auditing, Design Engineering, Financing, Project Management

ECMs Implemented:

- Retrofitted an existing propane-air peak shaving facility to upgrade the capacity from 50M Mbtu/Hr. to 143.5M Mbtu/hr.
- The new propane-air mixing plant included a state-of-art, blend-air mixing systems, a Ranarax specific gravity control center and an Andover EMCS to act as the SCADA system for the process plant
- The facility allows the Army to purchase natural gas at an interruptible rate, thus providing cost savings on the purchase price of fuel.

Annual Energy Savings

Projected:	\$350,000
Achieved:	\$361,451

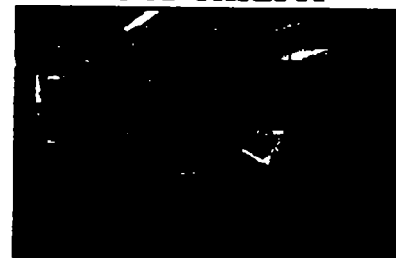
Major Subcontractors: Floyd Mechanical did installation

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 **Sempra Energy**
Services
Utilities

U.S. ARMY DEPOT – CORPUS CHRISTI**LOCATION**

Corpus Christi, Texas



Size/description: Army Depot/Chiller Plant, Bldg. 1808

Project Cost: \$842,396

Project Start/End Dates July 1989 – August 2014

Client Contact: Mr. Plyler McManus, Contracting Officer 205.955.1709

Type/Term of Contract: 25 Year Shared Energy Savings Plan

Financing

Type: Taxable Loan

Organization: Compass Bank

SES's Role: Energy Auditing, Financing, Project Management, and Monitoring

ECMs Implemented:

- Replacement a 925-ton absorption chiller with two (2) high efficiency Electric York Centrifugal chillers
- The lead chiller contains a York turbomodulator frequency inverter
- Installed natural gas fired caterpillar electric generator set to drive the lag chiller.
- SES will maintain the chillers, pumps, cooling tower, and piping over the life of the contract.

Annual Energy Savings

Projected: \$298,501

Achieved: \$583,466 (includes a maintenance payment adjustment and an increase in load by the base)

Attention California Customers: Sempra Energy Services Company is not the same company as SDG&E/SoCalGas, the Utilities. Sempra Energy Services Company is not regulated by the California Public Utilities Commission, and you do not have to buy Sempra Energy Services Company's products or services to continue to receive quality regulated service from the Utilities.



**UNITED
TECHNOLOGIES**

ENVIRONMENTAL GOVERNMENT AFFAIRS

1401 Eye Street, NW, Suite 600, Washington, DC 20005-6523

TO: **Roger Ballentine**
456-1736

*copy to
Elliot*

FROM:
COMPANY:

JUDITH BAYER
UNITED TECHNOLOGIES

PHONE:

202-336-7436

FAX:

202-336-7447

E-MAIL:

bayerj@corpdc.utc.com

DATE:

9/17/99

TOTAL # OF PAGES:

3

If there are problems with this transmission, please call Nora McDonald at 202-336-7423.

Comments:

1401 Eye Street, N.W.
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E-mail: BAYERJ@corpdc.utc.com

Judith Ann Bayer
Director
Environmental Government Affairs



September 17, 1999

Mr. Roger Ballentine
Deputy Assistant to the President for
Environmental Initiatives
115 Old Executive Office Building
Washington, DC 20502

Dear Roger:

You mentioned during our meeting earlier this week that there might be some White House interest in participating in appropriate climate change events in the coming weeks. As you review the possible opportunities available, I thought you might be interested in a few suggestions from United Technologies.

UTC's ONSI division produces the world's only commercial fuel cell power plants. We currently have more than 200 PC25™ 200 kW units installed in 15 countries and 25 states with close to 3 million hours of operation. We have several recent and upcoming PC 25™ installations that might provide an excellent platform to talk about US technological leadership in addressing climate change and the benefits of fuel cells including reduced emissions and reliability. Each fuel cell saves more than 40,000 pounds of pollution and 1,100 tons of CO₂ emissions per year.

The potential options include staging a media event with remarks by the Vice President at the following PC25™ installations:

- ◆ Regional school district in Syracuse, New York area with intensive computer activities. The fuel cell will be used to provide power as well as be part of the curriculum in teaching the benefits of energy efficiency. Our Carrier division is also a part of this program funded by the NY State Assembly and designed to address energy savings. The unit is scheduled for delivery next week and will be operational in October.

- ◆ Two waste water treatment facilities in the Los Angeles area where the fuel cells will use the methane that is normally flared to produce clean power. This project received financing from the State of California renewable energy fund. The units became operational earlier this summer.
- ◆ Non-profit community hospital in Rhode Island that will use the fuel cell to ensure the smooth operation of hospital activities in the event utility service is interrupted. Installation of the unit will be completed in the next two weeks.

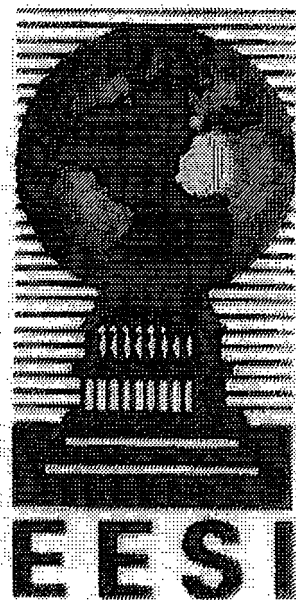
I would be happy to provide further details on any of these opportunities. If you are interested in pursuing this, give me a call at 202-336-7436.

Sincerely,



Judith Bayer

Cc: Kevin Fay



Carol Werner
Executive Director

Environmental and Energy Study Institute
122 C Street, NW, Suite 700
Washington, DC 20001
202-628-1400 (tel)
202-628-1825 (fax)

Briefing Notice

Addressee1 : Roger Ballentine

Recipient Co. Name : WHITE HOUSE CLIMATE CHANG

Recipient FaxNo : 2024561736

Time Sent : Friday, Sep 17, 1999 04:23PM

Totl. Pages : 3



ENVIRONMENTAL AND ENERGY STUDY INSTITUTE

NOTICE

CAROL WERNER, EXECUTIVE DIRECTOR

122 C STREET, N.W., SUITE 700 ■ WASHINGTON, D.C., 20001 ■ (202) 628-1400

ENERGY SMART SCHOOLS: Opportunities to Save Money, Save Energy and Improve Student Performance

Thursday, September 23, 1999**3:30 p.m. – 5:30 p.m., 2318 Rayburn House Office Building**

The Environmental and Energy Study Institute invites you to a Congressional briefing, chaired by U.S. Representative Mark Udall of Colorado, concerning improved school design and construction which can provide enormous opportunities to reduce energy costs – thereby freeing up funds for educational purposes as well as improving the overall teaching and learning environment. This topic should be of particular interest to Congress and other policy makers because of the tremendous amount of funds which are being spent for school renovation and new school construction. It is estimated that 6,000 new schools will be built by 2007.

Schools in the United States currently spend more than \$6 billion per year on energy, which exceeds the cost of supplies and books and is second only to salary expenses. These unusually high energy costs in American schools can be attributed to their old age and inefficiency. According to a 1995 General Accounting Office report, 73 percent of schools were built before 1960 (the average age of buildings being 42 years); nearly 28,000 schools have inadequate heating, ventilation and air conditioning systems; and 21,000 have faulty roofs.

The “energy smart school” approach involves the design of the whole building, taking advantage of advanced energy efficiency technologies, daylighting and renewable energy. This approach offers many sound benefits to school districts. The U.S. Department of Energy projects that schools can reduce annual energy use by one-fourth, which would save \$1.5 billion per year – enough to hire 30,000 new teachers or buy 40 million books annually. Furthermore, the construction costs for energy smart schools are lower than traditional schools when the cost of energy is taken into consideration.

By providing improved lighting and temperature control as well as better indoor air quality and reduced noise, renewable and efficient energy technologies incorporated into the whole building design can improve student performance. Such schools also can become important learning laboratories for students, faculty and their communities. Cutting energy use also benefits the environment as less fossil fuel is burned, resulting in less particulate matter and pollution emissions into the air and water.

(page 1 of 2)

The "energy smart school" approach has already been demonstrated in a number of schools around the country, and will be discussed by a panel of national experts at the briefing. The panel, chaired by Rep. Mark Udall, features:

- **Gary Bailey, American Institute of Architects, principal, Innovative Design, Raleigh, North Carolina.** Mr. Bailey is a nationally recognized architect for his work on sustainable school design. He has been a lead designer and adviser for several school districts, including Clark County, Nevada; McKinney, Texas; and Wake County, North Carolina.

- **Jeffrey A. Lackney, Ph.D., director, Environmental Design Institute, Mississippi State University.** Dr. Lackney is a registered architect and has done extensive research on the relationship of the school's physical setting on teaching and learning. The Educational Design Institute is a collaborative initiative between the College of Education and the School of Architecture.

- **Frederick H. Morse, Ph.D., president, Morse Associates, Inc., Washington, D.C.** Dr. Morse is also chairman of the Policy Committee for the Sustainable Buildings Industries Council.

The briefing is open to the public. Reservations are not required. For more information, contact Beth Bleil of EESI at (202) 662-1886 or Jennifer Barrett with Rep. Mark Udall's office at (202) 225-2161.