

EL SEGUNDO REPOWERING PROJECT

Powering California with NRG

February 2008 ISSUE 1



Meeting California's Energy Needs with Environmental Responsibility



Environmental and Community Benefits

Modernization of the El Segundo Generating Station will improve the availability, supply and reliability of electric power for the greater South Bay area while maintaining its tradition of being a good neighbor to the surrounding coastal communities. Plant modernization will improve the visual aesthetics of the plant site and include new enhancements that will benefit the community.

The modernized plant will produce substantially more power (up to 560 megawatts [MW]) and use advanced control technology to reduce air emissions as compared to the plant it will replace. The use of reclaimed water for most in-plant water processes will reduce demand on precious drinking or potable water supplies. The new units will be air cooled eliminating the need for ocean water cooling, which protects marine life. ■



▲ Before

▼ After



The repowering project entails replacing the two oldest units with a state-of-the-art, combined cycle power plant. To improve the visual appearance of the plant, two large oil storage tanks will be removed. Native landscaping, benches and a new sea wall will enhance the coastal bike path's overall look.

Environmentally Responsible

NRG elected to amend its power plant design in 2007, utilizing new state-of-the art, rapid response combined cycle ("R2C2") technology with substantially greater environmental benefits. When complete, the modernized plant will:

- ✔ Employ highly efficient generating units that produce significantly lower emissions and burn 30% less natural gas than the original generating units – supports California's effort to address global warming
- ✔ Utilize rapid starting units - 10-minute starts versus several hours – that will provide critical backstop for wind generation during peak demand periods
- ✔ Replace ocean water cooling system with air cooling to protect marine life
- ✔ Reduce use of drinking/potable water for plant operations through substantial use of reclaimed water

"NRG is proving that you can protect the environment and still make a competitive profit. We think they have set a standard for the entire industry."



– Joe Geever, California Coordinator for Surfrider Foundation

Fulfilling A Real Need

"Thousands in Southland lose power as temperatures climb."

**Los Angeles Times
September 3, 2007**

Everyone recalls the recent hot summer days and surge in energy demands. The California Energy Commission has estimated that the State needs to build 19 new power plants to meet California's growing energy needs.

El Segundo and the South Bay have an edge in local reliability with NRG West's repowering project. The new, cutting edge technology will feature extremely fast – 10 minute startups versus the traditional 6 to 12 hour startup times – providing a reliable backup power source to California's renewable resources, like wind or solar generation, which may

not be available during peak electrical demand times.

As our region and California as a whole continue to experience dramatic energy demand

growth, NRG West is implementing environmentally superior energy production solutions that also meet El Segundo and the South Bay's future vision. ■

Community Focused

TREES TO THE SEA

Members of the El Segundo Generating Station team spent the day planting trees on a highway median near LAX, as part of an annual "Trees to the Sea" campaign. The El Segundo team will help care for the sponsored trees.



BEAUTY & THE BEACH

Some 200 employees, friends and relatives of the El Segundo Generating Station and the El Segundo Kiwanis Club joined together to clear debris from a two mile stretch of beach and waterway in front of the El Segundo facility for the annual Beauty & the Beach Cleanup.



Community Activism is NRG Employee's Passion

An El Segundo resident for more than seven years, Steve Odabashian, NRG's Environmental/Community Relations Manager, is incredibly active in the community. He has worked closely with the Board of Directors of the El Segundo Chamber of Commerce and is the Past Chairman of the Manhattan Beach Chamber. Steve is also a Board member of the South Bay Youth Projects (SBYP) and the Chairman of their recent Castle of Friends event. The SBYP is an organization dedicated to assisting youth experiencing difficulties at home, school, or in the community.

Among all of Steve's community involvement, his most memorable experience has been to participate in a Career Mentoring Program

where he taught high school physics at El Segundo High School as part of an effort to show students how science classes translate to the life around us. Reflecting on the class he taught, Steve said, "It was an enlightening experience to be with the students and watch them learn something completely new. The students got something and so did I."

Steve is also involved with the El Segundo Kiwanis, the El Segundo Education Foundation and the Eagles American Youth Football League, and he's supported efforts to improve our schools, such as facilitating a contribution from NRG West to upgrade a middle school science lab. ■



Steve Odabashian with his daughters Sheena, Jessa and Heather at a recent Tree Musketeers' event.



Meeting the region's need for reliable, efficient power.

"The El Segundo repowering project is an important step in the future of our generating station. The project helps meet the region's need for reliable, efficient power. We look forward to working with the California Energy Commission and community leaders in El Segundo and the South Bay to implement this important energy project."
— Steve Hoffmann, NRG West Regional President

Units 1 & 2 Stack Removal

Overview

We continue removing Units 1 and 2 stacks at the El Segundo Generating Station. This project entails a "top down" removal of the two northernmost stacks. The work is being conducted during normal business hours (Monday through Friday 7:30 AM to 6 PM). The daily work force will utilize on-site parking. This project is scheduled to be complete by March 2008.

Information Updates

Register to receive email updates by sending an email to info@nrgenergy.com with the words "register for email updates" in the subject line.

Noise Notification

We're maintaining a 24-hour "hotline" for the public to ask questions or express noise-related concerns that may arise during the El Segundo repowering project. Callers will be asked to leave a voicemail message which will be immediately transferred to the project's Noise Monitoring Officer to address the concern or comment. Callers may also press "0" to be directed to an operator who will collect information about the concern and direct it to the Noise Monitoring Officer.

Noise Comment Hotline
1-888-312-0881

Environmental Stewardship

Completing its third year in the voluntary California Climate Action Registry program, NRG is recognized as a Climate Action Leader and is supportive of California's goal to reduce the state's contribution of greenhouse gas emissions.

This initiative is part of NRG's **ecōnrg** program.



NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

BUSINESS REPLY MAIL
FIRST-CLASS MAIL PERMIT NO. 78011 CARLSBAD CA

POSTAGE WILL BE PAID BY ADDRESSEE

EL SEGUNDO POWER / NRG WEST
C/O ROY E CRAFT
301 VISTA DEL MAR
EL SEGUNDO CA 90245-3650





Presorted Std
US Postage
PAID
Victory Mail

El Segundo Power
c/o Roy E. Craft
NRG West
301 Vista Del Mar
El Segundo, CA 90245

For information on our plans please go to:
www.elsegundorepowering.com

*Please fill out the attached card and
mail today! Postage is already paid!*

We want to hear from you!

Enter to win a \$500 Energy Savings kit.

Name: _____

Address: _____

City, State, Zip: _____

Phone: _____

E-mail: _____

- Enter me to win an Energy Savings Kit.
- Please contact me. I would like additional information about El Segundo Power.
- YES, I support this project.