WELCOME

TO SOUTHERN CALIFORNIA EDISON COMPANY’S

MIRA LOMA PEAKER GENERATING UNIT PROJECT

OPEN HOUSE
How is the open house organized?

- This open house is designed to provide you with information related to the Peaker Generating Unit Project and to answer your questions.
- The open house is informal — feel free to move around the room at your own pace and talk with the Peaker Generating Unit project team about any issues or questions you may have.
- Each topic table represents an issue or question that we thought you may want to know more about.
- We welcome your comments and questions. Comment cards are available for your use.
PURPOSE AND NEED

Last summer’s heat storm showed that Southern California needs additional sources of electricity. To meet that need, SCE is proposing to install five electric generating units called “peakers” within its service territory before summer 2007. Each peaker unit will generate enough electricity to serve approximately 30,000 homes. This will increase power supplies to local communities and provide “voltage support” to the local distribution network.

Each proposed peaker unit will be connected to the local distribution grid where it will supply electricity to local homes and businesses. The peakers will also maintain local distribution voltages at normal levels during times of system strain or imbalance. The peakers will operate primarily during periods of high electricity demand (such as on hot summer days); when high-voltage transmission lines are out of service; or when a generator unexpectedly goes offline.
SCE PROPOSED PEAKER SITES

- Mandalay
- Etiwanda
- Mira Loma
- Center
- Barre
PROJECT OVERVIEW

• One of the five peaker units is proposed to be constructed at the Mira Loma Substation in the City of Ontario.

• This unit will be capable of generating approximately 45 megawatts (MW) of electricity. The unit can also be started without outside power from the grid, helping to further improve local reliability since it can be started even when all local power is out.

• This unit will consist of a state-of-the-art General Electric (GE) gas turbine generator coupled with state-of-the-art emission controls. The emission control system will consist of a selective catalytic reduction system (SCR) and an oxidation catalyst, which will reduce stack emission levels below all applicable air quality standards.
Peaker Generating Unit Project

PATH OF ELECTRICITY

Generating Stations

500/220 kV Transmission Substation

Transmission Line (500 kV)

Peaker Unit

220/66 kV Substation

Subtransmission Line (66 kV)

66/12 kV Distribution Substation

Distribution Line (12 kV)

Customers

Transmission Line (220 kV)

Subtransmission Line (66 kV)

66/12 kV Distribution Substation

Distribution Line (12 kV)

Customers
PROJECT SIMULATIONS

Existing view of SCE property from South Milliken Avenue/Hamner Avenue (south of Micro Drive) looking northwest

Simulation of SCE property from South Milliken Avenue/Hamner Avenue (south of Micro Drive) looking northwest
PROJECT SIMULATIONS

Existing view of SCE property from just south of the property line looking north

Simulation of SCE property from just south of the property line looking north
PROJECTED TIMELINE

January 2007  SCE will host an Open House to provide information to the community about the project

Spring 2007  Regulatory review and approval of project

Commence construction upon receipt of required approvals

Summer 2007  Complete project construction; Peaker available for operation
MIRA LOMA PEAKER CONCEPTUAL LAYOUT
CONSTRUCTION ACTIVITIES

Construction of the Peaker Generating Unit Project will proceed as follows:

• Prepare the site for construction.
• Install temporary fences and gates, and set up trailers for construction use.
• The Gas Company will begin to construct the fuel line.
• Grade site, build foundations, and install underground components.
• Receive and place major peaker components.
• Install secondary equipment and utilities, including the power and gas lines.
• Conduct testing and start up activities.
• Pave roads, install final fencing and landscaping.
NATURAL GAS PIPELINE CONSTRUCTION ROUTE

New natural gas pipeline construction route shown in yellow.
Existing gas main shown in red.
Peaker Generating Unit Project

Prepare the site

Receive equipment

Construction activities

Typical facility
HOW DOES SCE MITIGATE CONSTRUCTION IMPACTS?

SCE will work with local officials, residents, and businesses to minimize the impacts of this project. Specifically, SCE will:

- Comply with all applicable local ordinances and regulations;
- Implement dust control, noise abatement and other environmental protection measures;
- Provide prior notification to affected property owners of construction activities or street closures that could temporarily limit access for area residents;
- Provide residents and local businesses with contact information for SCE personnel who are available to answer questions that may arise during construction; and
- Ensure the safety and security of all construction activities. Open holes and potential hazards will be covered and marked.
DOES SCE COMPLY WITH ENVIRONMENTAL LAWS AND REGULATIONS?

SCE has designed this project to comply with all applicable local, county, state, and federal environmental laws including:

– Archaeological Resources Protection Act
– California Environmental Quality Act (CEQA)
– California and Federal Clean Air Acts
– California Fish and Game Code
– California Porter-Cologne Act
– California and Federal Endangered Species Act
– Clean Water Act
– Migratory Bird Treaty Act
– National Historic Preservation Protection Act

An environmental assessment has also been prepared to ensure that all potential impacts have been considered and addressed.
**HOW DOES SCE MITIGATE AIR IMPACTS?**

**Air Quality:** SCE will be using Best Available Control Technologies (BACT) such as a selective catalytic reduction system (SCR) for nitrogen oxide (NOx) control and an oxidation catalyst to reduce volatile organic compounds (VOC) and carbon monoxide emissions. NOx and VOC are smog precursors. All air emissions, including NOx and VOC, will meet or be better than current emission standards.

**Ammonia:** Ammonia is required for the SCR system. SCE will be using a diluted solution of ammonia, called “aqueous” ammonia, mixed in water (approximately 19% ammonia to 81% water). For comparison, household ammonia cleansers typically are 5-10% ammonia. The ammonia storage tank will prevent evaporation during storage and a monitoring system will ensure ammonia emissions from the stack are less than significant when the peaker unit is operating.
HOW DOES SCE MITIGATE CHEMICAL IMPACTS?

Ammonia Storage Tank

- Low (19%) ammonia concentrations will be used
- Permanent structures around the tank and unloading area will contain any spills
- An underground sump will quickly drain spills to minimize evaporation
- Alarms and monitors will notify operators if the tank or pipes are leaking
- A horn and flashing lights will alert people near the tank if ammonia is detected in the air
- An alarm at the central control station will alert an operator to call the Fire Department, if needed.
NOISE SIMULATION GRAPHIC
HOW DOES SCE MITIGATE NOISE IMPACTS?

The proposed unit will generate some noise during start up and while in use. SCE is committed to meeting all applicable noise regulations and will also be insulating the unit, as well as installing sound walls around the equipment, in order to reduce noise impact to local communities.

<table>
<thead>
<tr>
<th>Sound Pressure Level</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>125 dB*</td>
<td>Jet takeoff at 200’</td>
</tr>
<tr>
<td>105 dB</td>
<td>Power mower at 2’</td>
</tr>
<tr>
<td>95 dB</td>
<td>Freight train at 50’</td>
</tr>
<tr>
<td>75 dB</td>
<td>Busy street traffic at 50’</td>
</tr>
<tr>
<td>55 dB</td>
<td>Normal conversation at 5’</td>
</tr>
</tbody>
</table>

* A decibel (dB) is a unit which is used for describing the amplitude of sound.
BEFORE YOU LEAVE

• If you have additional questions or need additional information, please fill out a comment card.

• If you did not receive a project fact sheet in the mail, and would like to receive written project information, please complete the project mailing list section on the comment card.

THANK YOU FOR COMING!