



## Southern California Edison Backgrounder

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### Southern California Edison Environmental Safeguards Transporting New San Onofre Steam Generators

Safeguards During Transport From Long Beach to Camp Pendleton

The barge that transported San Onofre's new steam generators down the coast from the Port of Long Beach to the Camp Pendleton boat basin was accompanied by SCE marine biologists and an SCE environmental projects vessel. SCE personnel helped the tug boat crews watch for, and avoid, marine mammals such as migratory grey whales, sea lions and dolphins.

Safeguards at the Boat Basin

The boat basin required dredging prior to the arrival of the steam generator barge to accommodate its draft. In advance of the dredging, SCE marine biologists surveyed the basin floor to assess the potential environmental impact. The survey identified approximately 100 square meters of eelgrass that provides essential fish habitat. SCE marine biologists then located basin areas suitable for transplanting the eelgrass and, after receiving related approvals, successfully relocated approximately 150 grass bundles. The new fish habitat is 20 percent larger than the original area and will be monitored by SCE biologists for five years to ensure success.

As the barge arrived and the new steam generators were unloaded, SCE marine biologists monitored the boat basin to ensure the protection of wildlife, marine life and sensitive vegetation. Utility biological monitors have the authority to interrupt a project, if necessary, to prevent or resolve an environmental concern.



Safeguards Selecting the Land Route

The route selected primarily makes use of land already approved for military training including heavy vehicles. That land has undergone extensive environmental reviews for this type of use.



Safeguards during Land Transport

The transport of San Onofre's new steam generators up the coast is being timed to avoid the mating season of sensitive wildlife living along the route. Transport will occur only under accepted conditions. SCE will transport the generators across Camp Pendleton beach property using a "Crawler" vehicle. This allows the use of an environmentally preferable route below the high-tide line. The Crawler will be escorted by a team of SCE personnel and Camp Pendleton biologists continuously monitoring for environmental impacts. All contract and SCE personnel accompanying the transport have received special environmental training on identifying, avoiding and mitigating any impact on wildlife, marine life and sensitive vegetation.

Safeguards from Multiple Permitting Processes  
The route SCE will use was subject to:

- Approval of a California Public Utilities Commission Environmental Impact Report
- Obtaining a U.S. Dept. of the Navy Real Estate License that involved approval from the U.S. Fish and Wildlife Service and Camp Pendleton, requiring a federal environmental assessment.
- Completion of a U.S. Fish and Wildlife Service assessment
- Obtaining a San Diego Regional Water Quality Control Board 401 Certification
- Obtaining approval from the California State Water Resources Board of the Storm Water Pollution Prevention Plan
- Obtaining U.S. Army Corps of Engineers 404 Nationwide Permit authorization
- Obtaining a California Coastal Commission Coastal Development Permit
- Obtaining multiple Caltrans and California Highway Patrol transporter inspection permits

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