CALIFORNIA ENERGY COMMISSION

STAFF WORKSHOP

REGARDING THE QUAIL BRUSH GENERATION PROJECT

Artist's Depiction of the Quail Brush Generation Project
Viewpoint From Highway 52

Purpose of Today's Workshop

- The proposed Quail Brush Generating Project (11-AFC-3)
  - **100-megawatt natural gas-fired, reciprocating engine power plant**
  - **Proposed to be located on a 21-acre site south of the Sycamore Landfill and north of State Route 52 in the City of San Diego**
- The purpose of the workshop to provide a public forum for staff to discuss with the applicant and other parties, significant issues such as, potential environmental impacts and proposed mitigation.
- You are welcome to provide comments about the proposed project and ask questions of the Energy Commission's technical experts responsible for reviewing the project application.
- You will also be informed of the various ways you can participate in the Energy Commission's power plant licensing process.

Today's Agenda

2:00 p.m.	**Introductions** **(Staff, Public Adviser, Agency, Applicant, Interveners, Elected Officials)**
2:10 p.m.	**Energy Commission's Power Plant Siting Process**
2:30 p.m.	**Fire Protection & Worker Safety**
3:00 p.m.	**Biological Resources**
4:00 p.m.	**Air Quality and Public Health**
5:00 p.m.	**Public Comments and Questions on FP, AQ, PH and Bio**
6:00 p.m.	**Break (30 minutes)**
6:30 p.m.	**Cultural Resources**
7:00 p.m.	**Continue Public Comment**
10:00 p.m.	**Workshop Adjourned** (end time depends on number of comments)

Energy Commission Staff's Respectful Request for Everyone's Cooperation

We Respectfully Request Everyone's Cooperation During Today's Workshop

- Energy Commission staff have received over 500 written, public comments opposing the proposed Quail Brush Generation Project. The written opposition is community based, raises environmental and public health concerns, and expresses a wide range of emotions, including frustration and anger.
- Please allow every presenter and each public speaker an opportunity to be heard without interruption.

Hearing Public Comment and Questions

Public Comments and Questions

- Public comment will be taken in the following order:
  - 1.) The order that "requests to speak" (blue cards) are submitted;
  - 2.) The order that participants are logged into WebEx (raise hand electronically); and
  - 3.) Callers on the phone (alphabetically)
- Depending on the number or requests to speak, I will ask either the Energy Commission staff or the applicant to respond immediately after each speaker finishes or respond periodically as called upon by the workshop facilitator (me). <u>All questions will be answered.</u>
- In lieu of making oral comments, you are welcome to fill out a comment form which we will enter into the docket. Please see the Public Adviser for a blank form.

Energy Commission's Role

- Energy Commission has permitting authority over thermal power plants that are 50 megawatts or greater.
- The Commission is the lead state agency for California Environmental Quality Act (CEQA) review and ongoing compliance. The Commission review, staff assessment, and approval process is carried out under the Commissions certified regulatory program.
- There are five members of the Energy Commission. The Commission has appointed Commissioners Douglas (Presiding Committee Member) and McAllister (Associate Committee Member) to oversee the licensing process for this project.
- Staff produces a Preliminary Staff Assessment (PSA) and Final Staff Assessment (FSA), including recommendations regarding the proposed project.
- The Committee will issue a Presiding Member's Proposed Decision (PMPD) that makes a recommendation to the full Commission to approve, reject, or amend the proposed project.

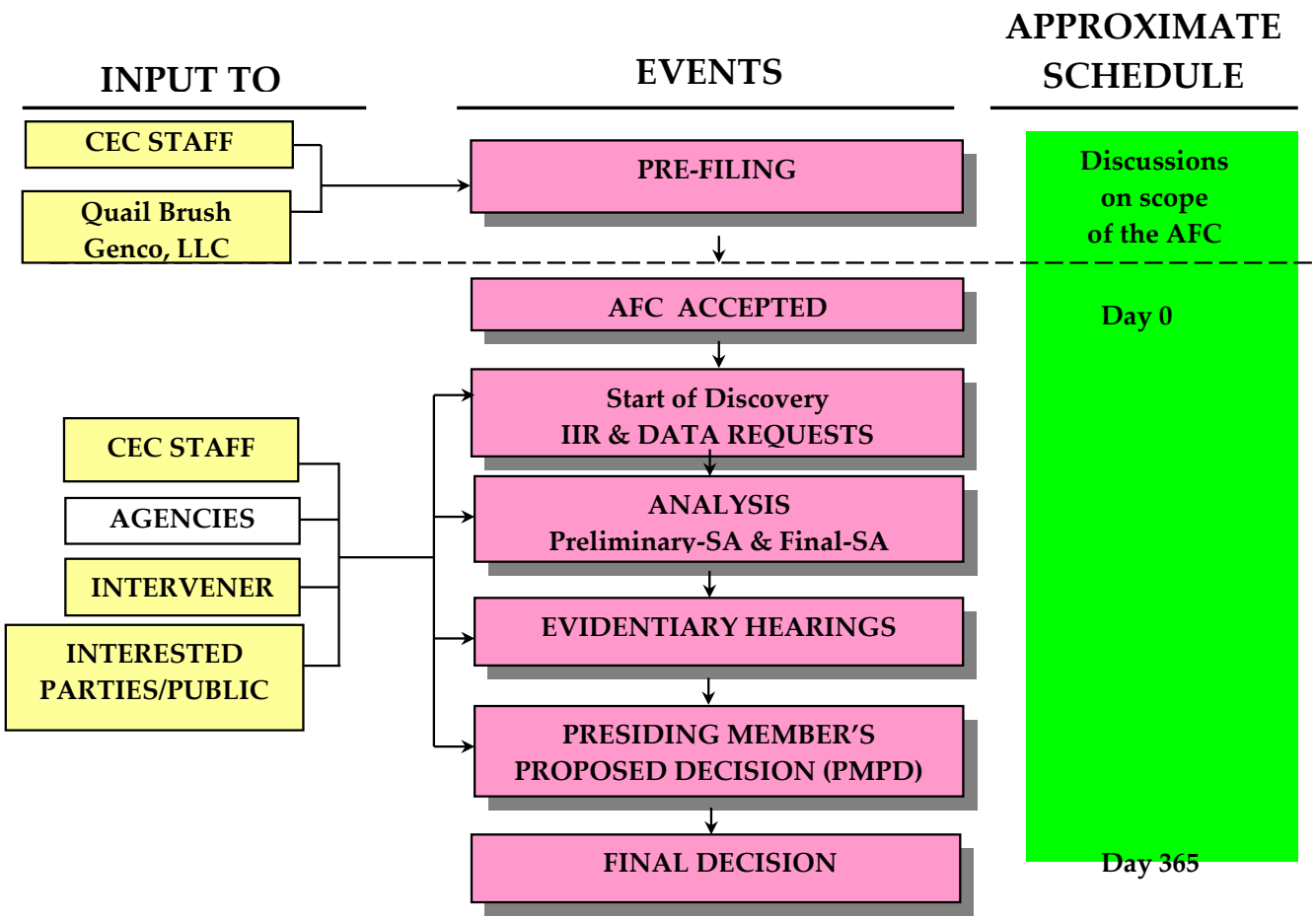
Local, State and Federal Coordination

- Energy Commission staff work closely with local, state and other federal agencies, for example:
  - Local: City of San Diego
  - Regional: San Diego County, San Diego Air Pollution Control District
  - State: Department of Fish and Game, Regional Water Quality Control Board, Office of Historic Preservation, Native American Heritage Commission
  - Federal: Environmental Protection Agency, Fish and Wildlife Service, and National Park Service

Overview of Licensing Process

1. **Data Adequacy**
   - Minimum requirements to accept application
2. **Staff Discovery and Analyses**
   - Issues Identification
   - Data requests
   - Public Workshops
   - Preliminary Staff Assessment and public comment
   - Final Staff Assessment
3. **Committee Evidentiary Hearing and Decision**
   - Evidentiary Hearings on FSA and other information
   - Presiding Member's Proposed Decision (PMPD) and public comments
   - PMPD hearing and Commission decision

Flow Chart of Licensing Process



Discovery and Analysis Process

- Determine if the project proposal (AFC) complies with Laws, Ordinances, Regulations, Standards (LORS)
- Conduct engineering and environmental analysis
  - ✓ identify issues;
  - ✓ identify environmental impacts and mitigation measures;
  - ✓ evaluate project alternatives and
  - ✓ recommend conditions of certification.
- Facilitate public and agency participation
- Staff products: Preliminary Staff Assessment (PSA) and Final Staff Assessment (FSA)
- Make recommendations to the Committee

Evidentiary Hearing & Decision Process

- **Committee conducts evidentiary hearings on all information**
- **Issues Presiding Member's Proposed Decision (PMPD). The PMPD contains findings relating to:**
  - Environmental impacts, public health, engineering
  - Project's compliance with LORS
  - Whether or not the facility is required for public convenience and necessity, and whether or not there are no more prudent and feasible means of achieving such public convenience and necessity (Cal. Code Regs. Title 20, §1752(k)) **("override")
  - Recommends conditions of certification
  - Recommends whether or not to approve the project
- **Full Commission issues a Final Decision**
- **Energy Commission monitors compliance with all conditions of certification, for the life of the project and closure**

Public Participation and Sources of Information

- **Open Public Process**
  - ✓ Workshops/Hearings are noticed at least 10 days in advance
  - ✓ Mailing lists
  - ✓ List Server: www.energy.ca.gov/listservers
- **The Application for Certification is available for public review at the following libraries:**
  - ✓ Central Library in San Diego, San Carlos Library, College-Rolando Library, Allied Gardens/Benjamin Library, Tierrasanta Library and the Scripps Miramar Ranch Library.
- **All project documents are available for public review at:**
  - ✓ Energy Commission Web site: http://www.energy.ca.gov/sitingcases/quailbrush/index.html
  - ✓ Dockets Unit at the Energy Commission
    1516 9th Street, MS - 4
    Sacramento, CA 95814-5512

Energy Commission Contacts

- **Committee**
  - Commissioner, Karen Douglas, *Presiding Member*
  - Commissioner, Andrew McAllister, *Associate Member*
- **Hearing Officer**
  - Raoul Renaud, Commission's Hearing Officer
    - (916) 651-2020, e-mail: rrenaud@energy.ca.gov
- **Commission Staff**
  - Eric Solorio, Project Manager
    - (916) 651-0966 e-mail: esolorio@energy.ca.gov
- **Public Adviser's Office**
  - Jennifer Jennings
    - (916) 653-5898 or (800) 822-6228
    - e-mail: PublicAdviser@energy. ca.gov

Worker Safety and Fire Protection

Rick Tyler, Senior Mechanical Engineer

Biological Resources

Andrea Martine, Staff Biologist

Table 4
Habitat Types/Vegetation Communities and Impacts
(Based on Supplement 3.1 Design)

Habitat / Vegetation Community	Existing Acres	Percent (%) of Survey Area	Permanent Impacts	Temporary Impacts
Diegan Coastal Sage Scrub	53.58	12.6	0.41	2.55
Diegan Coastal Sage Scrub/non-native grassland	52.81	12.4	0	0.03
Disturbed Habitat	25.83	6.1	0.97	1.40
Granitic Chamise Chaparral	38.27	9.0	0.00	0
Granitic Chamise Chaparral/non-native grassland	1.00	0.2	0.00	0
Native Grassland	0.76	0.2	0.06	0
Non-Native Grassland	232.77	54.7	6.80	21.81
Non-Vegetated Channel	2.96	0.7	0.00	0
Urban/Developed	17.33	4.1	0.00	0.00
Total	**425.31**	**100**	**8.24**	**25.79**

Biological Resources

Andrea Martine, Staff Biologist

Table 6, Supplement 3 (Alternative 1)
Vegetation Community Impacts per Project Element (in Acres)

Impacts	Habitat / Vegetation Community	Diegan Coastal Sage Scrub	Diegan Coastal Sage Scrub/non-native grassland	Developed/ Disturbed Habitat	Native Grassland	Non-Native Grassland	Totals
Permanent	Power Plant (W/ Access Road)	0.17	0	0	0	5.02	5.19
	Gen Tie	0.10	0	0.97	0.06	0.98	2.11
	Switchyard	0.14	0	0	0	0.80	0.94
	Natural Gas Pipeline	0	0	0	0	0	0
Sub Total		0.41	0	0.97	0.06	6.80	8.24
Temporary	Power Plant	1.53	0	0.22	0	19.87	21.62
	Gen Tie	0.39	0	0.05	0	0.84	1.28
	Switchyard	0	0	0	0	0	0
	Natural Gas Pipeline	0.63	0.03	1.13	0	1.10	2.89
Sub Total		2.55	0.03	1.40	0	21.81	25.79
Total		**2.96**	**0.03**	**2.37**	**0.06**	**28.61**	**34.03**

Biological Resources

Andrea Martine, Staff Biologist

- Proposed Mitigation Parcels
  - Refer to applicants figure showing (and any tables) showing proposed mitigation parcels.
  - MHPA Requirements (Tiers)
  - BLA Requirements

Biological Resources

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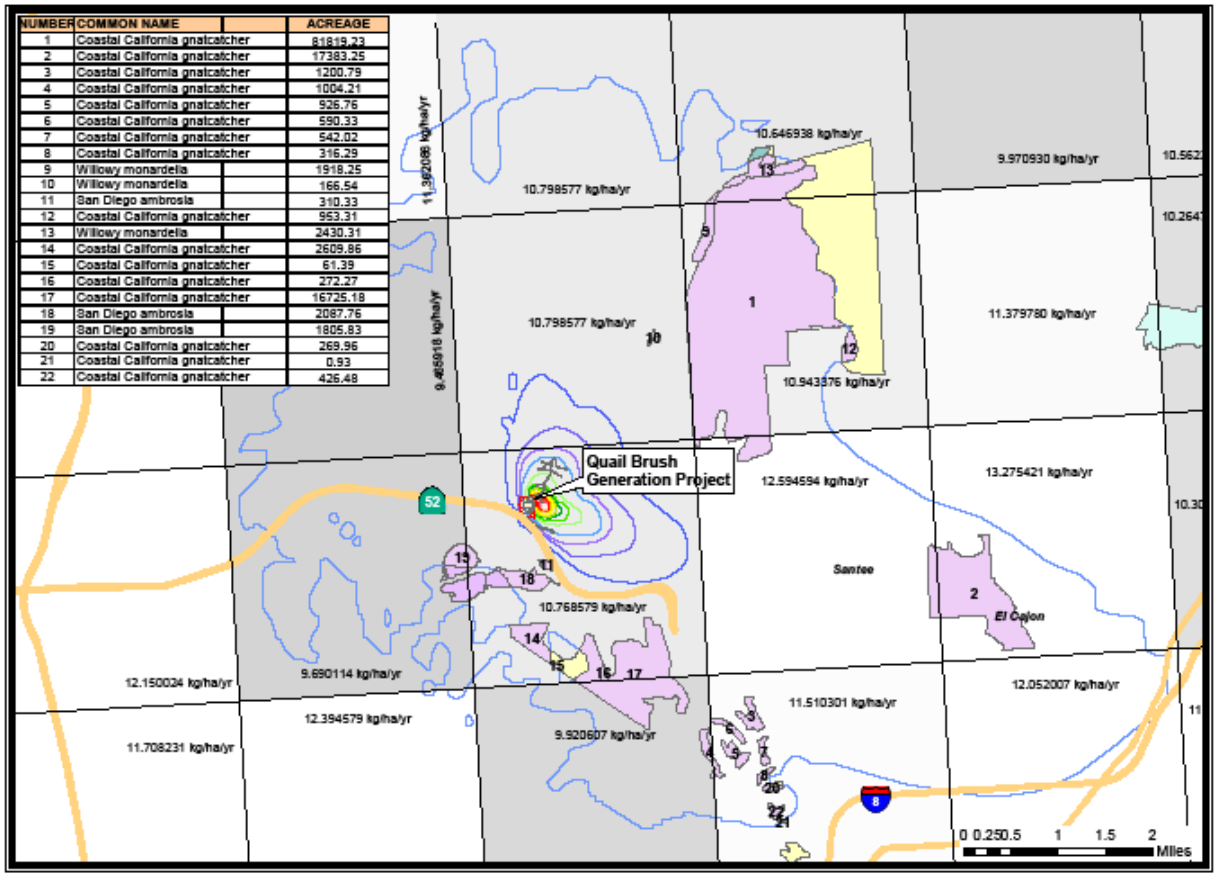
BIOLOGICIAL RESOUCES- FIGURE X

Quail Brush Generation Project - Annual Nitrogen Decompostion (kg/ha/yr) with Critical Habitat

NUMBER	COMMON NAME	ACREAGE
1	Coastal California gnatcatcher	81819.23
2	Coastal California gnatcatcher	17383.25
3	Coastal California gnatcatcher	1200.79
4	Coastal California gnatcatcher	1004.21
5	Coastal California gnatcatcher	926.76
6	Coastal California gnatcatcher	590.33
7	Coastal California gnatcatcher	542.02
8	Coastal California gnatcatcher	316.29
9	Willowy monardella	1918.25
10	Willowy monardella	166.54
11	San Diego ambrosia	310.33
12	Coastal California gnatcatcher	953.31
13	Willowy monardella	2430.31
14	Coastal California gnatcatcher	2609.86
15	Coastal California gnatcatcher	61.39
16	Coastal California gnatcatcher	272.27
17	Coastal California gnatcatcher	16725.18
18	San Diego ambrosia	2087.76
19	San Diego ambrosia	1805.83
20	Coastal California gnatcatcher	269.96
21	Coastal California gnatcatcher	0.93
22	Coastal California gnatcatcher	426.48



BIOLOGICAL RESOUCES

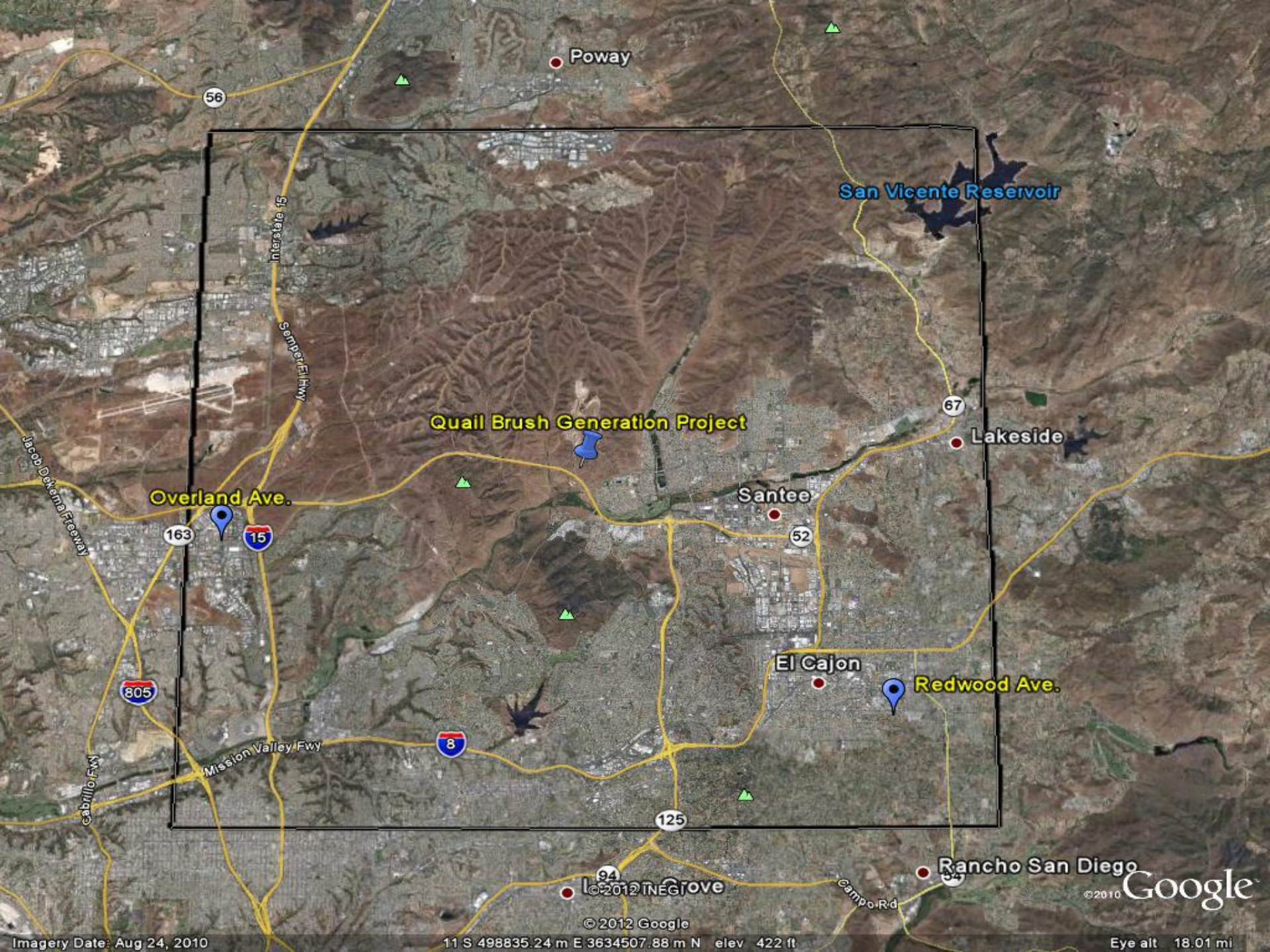
CALIFORNIA ENERGY COMMISSION, SITING, TRANSMISSION AND ENVIRONMENTAL PROTECTION DIVISION

SOURCE:Tetra Tech EC, Inc. & State of California, Department Of Conservation - Farmland Mapping and Monitoring Program, 2008, University of California - Riverside.

Air Quality

Joseph Hughes, Air Quality Engineer

- **Outstanding Items**
  - Emission Reduction Credits for non-attainment pollutants
  - Mitigation Package for non-attainment precursor pollutants
  - Cumulative modeling Files
- **Resolution Items**
  - NO2 Modeling for Compliance with NAAQS
  - NO2/NOx Ratio


Poway
56
San Vicente Reservoir
Interstate 15
Semper Fi Hwy
Quail Brush Generation Project
67
Lakeside
Jacob Dekema Freeway
Overland Ave.
Santee
163
15
52
El Cajon
Redwood Ave.
805
Mission Valley Fwy
8
Cabrillo Fwy
125
94
Rancho San Diego
Campo Rd
©2012 INEGI
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© 2012 Google
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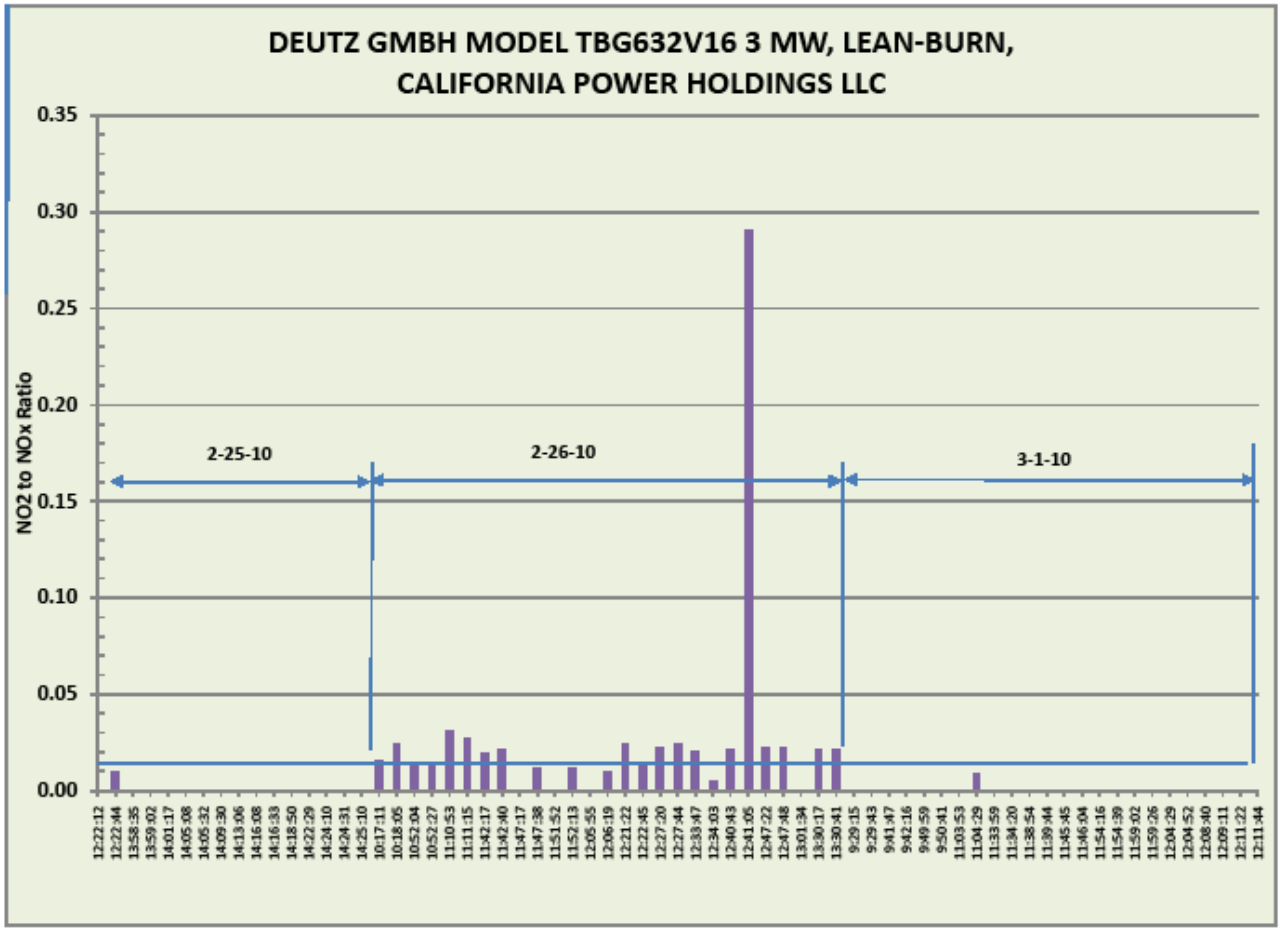
Air Quality

Joseph Hughes, Air Quality Engineer



Public Questions and Comments

- Take a short break and collect blue cards.

Dinner Break

Cultural Resources

Public Questions and Comments

- Take a short break and collect blue cards.