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CONTEMPORARY SAFETY STUDY

GAS MIGRATION OPINION

GAS MIGRATION TECHNICAL REVIEW

PROJECT SAFETY

PROJECT SECURITY

SAFETY RECORD STUDY

PRINTER FRIENDLY VERSION

Final Environmental Impact Report

2010

Final EIR Ready for Public Review

The document is available for public review on June 10, 2010

Two Options to Review a copy of the "FEIR"

1 CPUC Web Site: [CLICK HERE](#)

2 SNGS Office:
8031 Fruitridge Road
Suite B,
Sacramento, CA 95820
916-388-2088

YOUR NEIGHBORS SAY IT BEST...

Tony Barajas - *"I went to most, if not all of the AGENA meetings, but while initially opposed, I decided to investigate the project further. After five months of study, I decided that this is a good project with great benefits for the community. I strongly support the project and have become an advocate."*



Norma Clark – *"I really like the idea that SNGS is giving back to the neighborhood with a Foundation that will include Board Members from the neighborhoods."*

Irma Lewis - *"I moved into my home back in 1960. I have already leased my land before for energy purposes, and I can tell you it doesn't cause any problems. Homeowners are being paid more than last time, and Sacramento Natural Gas Storage wants to use some of the profits from the project and put it back into the neighborhood. The main reason I signed my lease is to make things better for the next generation."*



Betty Gonzales - *"Natural gas is cleaner and safer for our air. It seems much safer to store the natural gas below the surface instead of above ground. Storing it locally makes our air cleaner."*

PROJECT HEALTH & SAFETY

Health and Safety

The proposed SNGS project is committed to a high level of safety. City, County, State and Federal regulatory agencies will ensure the safety of the project construction and ongoing operations.

Processed clean natural gas, as it is used by consumers, is much different from the raw natural gas that is brought from underground up to the wellhead. Raw natural gas extracted from oil and gas fields is customarily processed to remove harmful chemicals and byproducts. The gas proposed for storage in the Sacramento Natural Gas Storage project is processed dry, clean natural gas, which poses no significant documented health risk.

SNGS will be a safe and simple operation . . .

- Storing natural gas underground is a long-established practice (since World War II), with hundreds of facilities safely operating all over the country.
- Operations will be similar to when the Florin Gas Field was safely supplying gas in the 1980s.
- SNGS will use cutting-edge technology and proven safety procedures and it will be strictly regulated and monitored by the California Public Utilities Commission.
- The natural depository is located far underground, well below the water table and underneath a thick layer of solid caprock.
- Gas will be stored in a layer of permeable, porous sandstone, somewhat like a sponge—since there is no oxygen present in this layer of sandstone—there is no risk of explosion.
- The geology of the dry underground storage field is seismically stable.

The SNGS project conducted a series of comprehensive safety studies to confirm the scientific and geologic integrity and viability of the storage reservoir and to ensure public safety. In addition, the SNGS project is currently undertaking a comprehensive and thorough Environmental Impact Report (EIR) on the project. Summaries of the safety studies conducted to date are provided below and can be downloaded in their entirety.

Environmental Assessment – Proponent's Environmental Assessment (PEA) Public Health and Safety Section (prepared by EIP Associates, a Division of PBS&I) – The purpose of the PEA is to provide an adequate level of information to the CPUC to assist in determination of impacts that may be of concern and to facilitate preparation of a California Environmental Quality Act (CEQA) document. The analysis conducted for this PEA indicates that no aspect of this project (as proposed with mitigation) would cause a significant and unavoidable impact on the environment.

Numerous regulatory agencies will ensure that the SNGS facility is built and operated safely. Local, State and Federal regulatory agencies will all be closely involved in monitoring project construction and/or ongoing operations, including:

- United States Department of Transportation, Office of Pipeline Safety
- California Public Utilities Commission (CPUC); Division of Oil, Gas & Geothermal Resources (DOGGR); and Office of Emergency Services
- City of Sacramento Planning Department, Fire Department, Police Department, and Building Department



"This project won't move forward unless we can prove it is safe... We're confident that the PUC will find it safe. But we understand we have to prove that, and we intend to."

Jeff Raimundo, Townsend Raimundo
Besler & Usher

Safety Record Study (prepared by International Gas Consulting) –The study examined the safety operating history of all the depleted gas field and water aquifer natural gas storage projects throughout the country that were operating during 1976-2006.

Contemporary Safety History of Natural Gas Storage Facilities (prepared by Sierra Energy and Risk Assessment, Inc.) – The incident data reflected a complete absence of casualties and very modest total property damage over a period of nearly four decades during the period 1970 to present.

Gas Migration Opinion (prepared by Ryder Scott Company Petroleum Consultants) An assessment was made to determine the potential for gas migration in the Florin Field.

Gas Migration Review Comments (prepared by John F. Matthews, Jr. Consulting Petroleum Engineer) – A technical and professional review of migration issues raised in “GAS MIGRATION, Events Preceding Earthquakes”, and applicable relevance to the Sacramento project was performed to identify comparable seismic, geological and associated mathematical models on forecasting natural disasters.

Draft Environmental Impact Report (EIR) – report released April 2009

The California Public Utilities Commission (CPUC) is the state regulatory agency with the primary responsibility for reviewing the proposed project under the California Environmental Quality Act. The CPUC assessed potential impacts for 12 issue areas and 79 specific potential impacts. The CPUC has determined that 76 of the 79 have “no impact” or a “less than significant impact,” including:

- Air Quality
- Biological Resources
- Cultural Resources
- Geology and Soils
- Public Services and Utilities
- Visual Resources
- Land Use
- Agriculture and Recreation
- Noise and Vibration
- Population and Housing
- Transportation and Traffic

Final Environmental Impact Report (EIR) – report released June 2010

The project will be operated safely and in accordance with stringent and continuous regulatory oversight. The CPUC’s own independent study provides strong and convincing evidence confirming that the project can be operated safely.

- ◆ The Final EIR characterizes potential impacts from hazardous materials, pipeline/wellhead operations, and air emissions as “less than significant.”
- ◆ The Final EIR characterizes the possibility of gas migration to the surface from around or through the cap rock as having only “remote potential.” SNGS is committed to comprehensive testing and monitoring, under strict regulatory supervision, to detect and address gas migration in the unlikely event that it does occur.

EIR Access

A copy of the EIR is available for review in the SNGS office. A CD can be provided upon request. Call Diana at (916) 388-2088 for more information. Copies of the EIR can also be obtained at City of Sacramento libraries, and the CPUC. Call CPUC representative, Eric Chiang, at (415) 703-1956 for assistance.

1. Colonial Heights Library (4799 Stockton Boulevard)
2. Sacramento Public Library (828 I Street)
3. Southgate Public Library (6132 66th Avenue)
4. www.cpuc.ca.gov/environment/info/dudek/sngs/sngs_home.htm
5. www.sacnaturalgas.com

SUPPORT FROM LABOR

Patrick Kennedy, National Electrical Contractors Association and the International Brotherhood of Electrical Workers and Plumbers and Pipefitters

“We support this project due to the creation of local jobs and economic-development opportunities during this time of economic depression which is gripping all of our communities and the long-term impacts it will have on energy reliability for this region.”

Matthew Kelly, Executive Director of the Sacramento Sierra Building and Construction Trades Council

“This project will provide both construction jobs, which are in short supply in these trying economic times, not to mention jobs for the continuous operation of this project.”