

File No. 090947

Committee Item No. _____
Board Item No. 41

COMMITTEE/BOARD OF SUPERVISORS
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Committee: _____

Date _____

Board of Supervisors Meeting

Date July 28, 2009

Cmte Board

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- Introduction Form (for hearings)
- Department/Agency Cover Letter and/or Report
- MOU
- Grant Information Form
- Grant Budget
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- Contract/Agreement
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- Application Public Correspondence

OTHER

- _____
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Completed by: _____

Date _____

Completed by: Debbie Roddy

Date July 23, 2009

An asterisked item represents the cover sheet to a document that exceeds 25 pages. The complete document is in the file.

090

1 [Avoiding new foreign fossil fuel dependence in San Francisco's electricity supply.]

2

3 **Resolution asking Pacific Gas & Electric Corporation to end partnership in the "Pacific**
4 **Connector" pipeline.**

5

6 WHEREAS, The city of San Francisco is committed to reducing greenhouse gas
7 emissions 20 percent below 1990 levels by 2012, and;

8 WHEREAS, The city of San Francisco has prioritized developing local renewable
9 energy, implementing energy efficiency programs, and other environmental programs, and;

10 WHEREAS, Pacific Gas and Electric (PG&E) is the primary provider of electricity to
11 San Francisco, and;

12 WHEREAS, PG&E's corporate headquarters are located in San Francisco; and

13 WHEREAS, PG&E is a partner in the "Pacific Connector," a natural gas pipeline
14 proposed in Oregon that will bring natural gas derived from imported Liquefied Natural Gas
15 (LNG) into California, and;

16 WHEREAS, Natural gas derived from LNG and imported into Northern California will
17 result in a significant net increase of greenhouse gas emissions in PG&E's natural gas
18 portfolio, and;

19 WHEREAS, There is no proven need for the Pacific Connector, given abundant natural
20 gas supplies in North America, and declining natural gas usage in California, and;

21 WHEREAS, Potential supplies to the Pacific Connector are associated with human
22 rights abuses, environmental degradation and political instability in Peru, the Russian Far
23 East, Indonesia, the Middle East, and Australia, and;

24

25

1 WHEREAS, The Jordan Cove LNG import terminal associated with the Pacific
2 Connector poses a safety hazard to approximately 17,000 people living and working in the
3 communities around Coos Bay, Oregon, and;

4 WHEREAS, The Pacific Connector will permanently destroy approximately 2,000 acres
5 of forested area and watersheds in Oregon, including the habitat of the spotted owl, marbled
6 murrelet, and coho salmon, and;

7 WHEREAS, Over 30 environmental, human rights, consumer and fisherman's
8 organizations from California and Oregon have asked PG&E to withdraw from the Pacific
9 Connector, and;

10 WHEREAS, Dependence on foreign Liquefied Natural Gas will result in increased
11 electricity and natural gas rates for San Francisco residents, and; now, therefore, be it

12 RESOLVED, That in the public interest of its residents, in the interest of the global
13 environment, and in the interest of the safety of Southern Oregon residents, the City of San
14 Francisco asks Pacific Gas and Electric Corporation to withdraw its partnership in the Pacific
15 Connector Pipeline, which is largely designed to transport natural gas derived from imported
16 LNG into Northern California.



PG&E's Push for Imported Fossil Fuels



PG&E and Williams Pipeline are partners in a proposed pipeline project that will import liquefied natural gas (LNG) into Northern California. The LNG would be imported from foreign countries to a Canadian controlled import terminal in Coos Bay, Oregon. LNG is natural gas that is super-cooled until it turns into a liquid. Once liquefied, LNG may be transported overseas in specially built tankers, enabling the global trade in natural gas. Currently, there are no LNG import terminals on the West Coast of the U.S.

The project will include an LNG import terminal that will be built on a sandy spit in Coos Bay, on the Southern Oregon Coast. The terminal will link to a new 230 mile gas pipeline, the Pacific Connector, that will move the imported natural gas across the Southern Cascades, and will connect to an existing natural gas pipeline near the Oregon/California border. If built, the Jordan Cove LNG project will increase PG&E's greenhouse gas emissions, endanger 17,000 residents of North Bend, Oregon, thousands of homes, businesses and schools, destroy salmon and spotted owl habitat, and create a new, unnecessary dependence on a foreign fossil fuel.

The project will increase PG&E's greenhouse gas emissions

PG&E uses very little coal for electricity, and is highly dependent on natural gas from Canada and the U.S. Because LNG must go through an energy intensive process, and then get shipped thousands of miles overseas, it emits up to 25 percent more greenhouse gas emissions than domestic natural gas. Imported LNG will displace domestic natural gas, not coal, and it's estimated this project will be responsible for about the same amount of greenhouse gases as 5 million cars. PG&E is far behind on meeting the 20 percent renewable energy mandate required by state law by 2010. The Jordan Cove LNG project will cost hundreds of millions of dollars, money that could instead be invested in ramped up energy efficiency programs and renewable energy that will reduce our dependence on dirty energy sources.

LNG exports environmental problems and human rights violations.

LNG will come from some of the world's most pristine, and unprotected, ecosystems. For instance, the largest LNG export facility in the world will open on Sakhalin Island, Russia next year. This project has put at risk the critically endangered Western Gray Whale, has destroyed robust salmon habitat, and has undermined the subsistence lifestyles of the indigenous populations. In West Papua, Indonesia, an LNG project has exacerbated a conflict between the West Papuan people and the Indonesian military. And Iran is often threatened with military action by the U.S., due in large part to their fossil-fuel reserves. LNG means further dependence on foreign fossil fuel at a time when most agree that the U.S. should pursue energy independence.



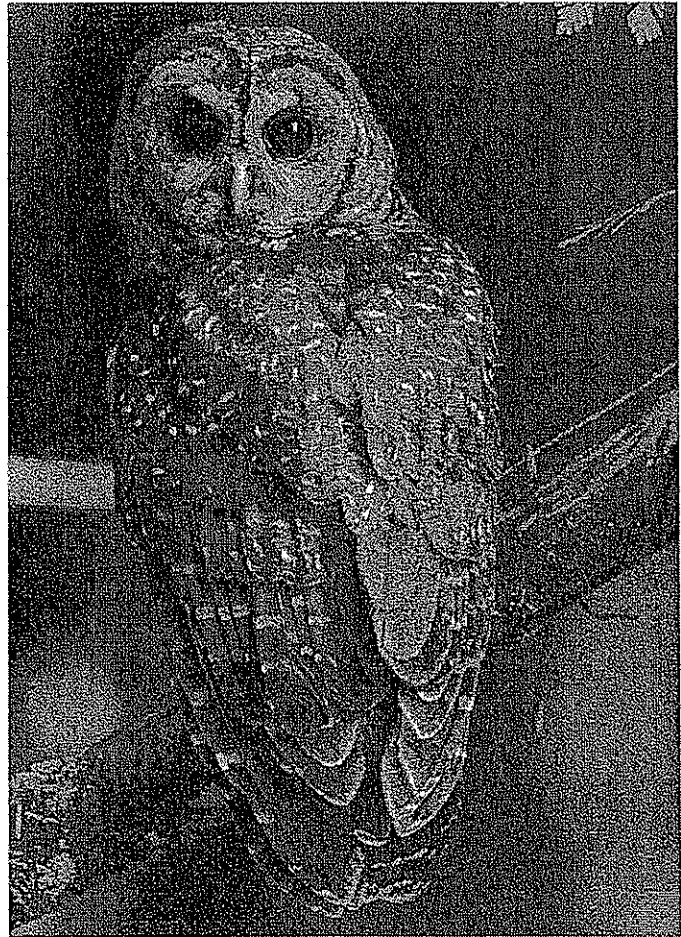
The Rogue River, near a proposed pipeline crossing

The project will endanger wildlife habitat

The 230 mile-long Pacific Connector will create a clear-cut corridor that will be as wide as an 8-lane freeway its entire length. It will destroy thousands of acres of Southern Oregon habitat that is still recovering from decades of runaway logging. It will cross over 100 streams and rivers, putting at risk already endangered salmon such as the Oregon Coast coho. It will raze 420 acres of forestland needed by the endangered Northern Spotted Owl and marbled murrelet.

This project will endanger thousands of Southern Oregon residents

LNG is highly volatile, and if LNG leaks and vaporizes, it can easily ignite. Studies and modeling have shown that an LNG-produced vapor cloud from a tanker spill of 3 million gallons could travel up to 3 miles. Jordan Cove ships will carry up to 39 million gallons of LNG. If these vapors were to ignite, the fire that would occur would incinerate everything in its path and cause many secondary fires. If a pool fire was to develop from a LNG spill, people up to a mile away would have only 30 seconds to flee before receiving 2nd degree burns. A 2004 LNG accident in Algeria killed nearly 30 people and shattered windows 5 miles away from the facility. Within a 3 mile radius of the Jordan Cove LNG facility is a commercial airport, as well as 17,000 residents and thousands of homes, businesses and schools. The project will be located

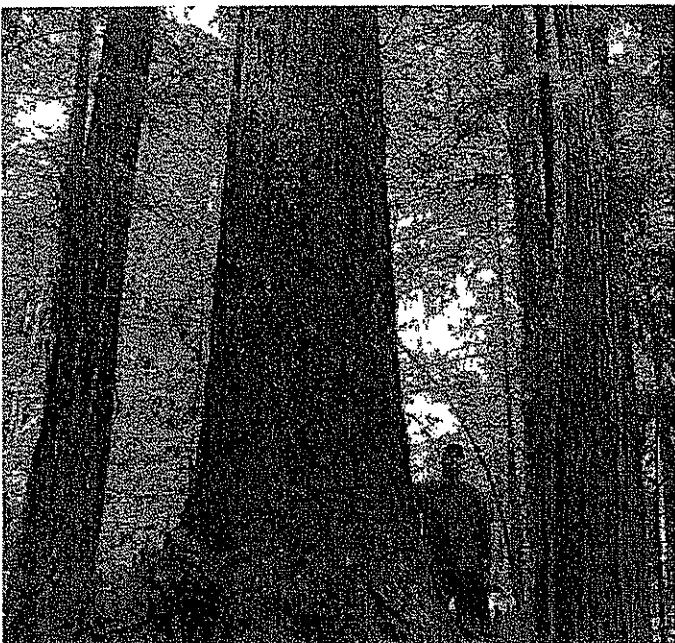


The Pacific Connector threatens critical habitat for the Northern Spotted Owl.

in a red tsunami zone, in an area known for intense storms, and in an area near the Cascadia subduction zone that seismologists say has the potential for a 9.0 earthquake. Airplanes will fly near the LNG storage tanks throughout the day.

LNG is unreliable and costly

The Jordan Cove project has no committed LNG supply contracts. Russia is home to some of the world's largest natural gas fields, and has been known to withhold natural gas deliveries to Europe when they need it most in order to extract higher payments. Iran and the rest of the Middle East also host some of the world's largest gas fields, and dependence on LNG from that region will exacerbate the same international tensions we currently see with our dependence on oil. Currently, the world price for LNG is about 3 times more than the cost for North American natural gas. With LNG, California will be competing for supplies with countries such as Japan and Korea that have few options besides LNG, and are willing to pay top dollar for it.



The Pacific Connector will cross many people's private property. It is likely these trees will be razed to make room for the pipeline.

The project will increase PG&E's greenhouse gas emissions

PG&E uses very little coal for electricity, and is highly dependent on natural gas from Canada and the U.S. Because LNG must go through an energy intensive process, and then get shipped thousands of miles overseas, it emits up to 25 percent more greenhouse gas emissions than domestic natural gas. Imported LNG will displace domestic natural gas, not coal, and it's estimated this project will be responsible for about the same amount of greenhouse gases as 5 million cars. PG&E is far behind on meeting the 20 percent renewable energy mandate required by state law by 2010. The Jordan Cove LNG project will cost hundreds of millions of dollars, money that could instead be invested in ramped up energy efficiency programs and renewable energy that will reduce our dependence on dirty energy sources.

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The Rogue River, near a proposed pipeline crossing

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The following information was obtained from a review of the records of the Department of Social Services, State of New York, for the period from 1/1/70 to 12/31/70. The information is presented in the following table:

Name	Address	City	State	Date of Birth	Sex	Race	Religion	Education	Occupation	Income	Assets	Liabilities	Other Information
John Doe	123 Main St	New York	NY	01/01/1945	M	W	C	HS	Teacher	\$15,000	\$20,000	\$5,000	
Jane Smith	456 Elm St	New York	NY	03/15/1938	F	W	C	HS	Nurse	\$12,000	\$15,000	\$3,000	
Robert Johnson	789 Oak St	New York	NY	07/22/1952	M	W	C	HS	Student	\$5,000	\$10,000	\$5,000	
Elizabeth Brown	101 Pine St	New York	NY	09/10/1960	F	W	C	HS	Homemaker	\$8,000	\$12,000	\$4,000	
Michael Davis	234 Cedar St	New York	NY	11/05/1948	M	W	C	HS	Unemployed	\$3,000	\$8,000	\$5,000	
Sarah Miller	567 Birch St	New York	NY	04/20/1955	F	W	C	HS	Unemployed	\$2,000	\$6,000	\$4,000	
William Wilson	890 Spruce St	New York	NY	06/12/1940	M	W	C	HS	Unemployed	\$1,000	\$4,000	\$3,000	
Patricia Moore	1122 Fir St	New York	NY	08/08/1958	F	W	C	HS	Unemployed	\$1,500	\$5,000	\$3,500	
James Taylor	1345 Ash St	New York	NY	10/03/1965	M	W	C	HS	Unemployed	\$1,200	\$4,000	\$2,800	
Barbara Anderson	1567 Hickory St	New York	NY	12/18/1972	F	W	C	HS	Unemployed	\$1,000	\$3,000	\$2,000	
Richard White	1789 Walnut St	New York	NY	02/25/1968	M	W	C	HS	Unemployed	\$1,500	\$4,000	\$2,500	
Michelle Green	1901 Maple St	New York	NY	05/14/1975	F	W	C	HS	Unemployed	\$1,200	\$3,000	\$1,800	
Kevin Black	2123 Sycamore St	New York	NY	07/01/1980	M	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Stephanie Gray	2345 Chestnut St	New York	NY	09/20/1985	F	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Brandon King	2567 Poplar St	New York	NY	11/10/1990	M	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Olivia Lee	2789 Willow St	New York	NY	01/05/1995	F	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Lucas Hall	2901 Dogwood St	New York	NY	03/15/2000	M	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Isabella Young	3123 Magnolia St	New York	NY	05/20/2005	F	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Benjamin King	3345 Redwood St	New York	NY	07/25/2010	M	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Charlotte Scott	3567 Cypress St	New York	NY	09/30/2015	F	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Leo Adams	3789 Juniper St	New York	NY	11/05/2020	M	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Amelia Baker	3901 Laurel St	New York	NY	01/10/2025	F	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Oliver Carter	4123 Fir St	New York	NY	03/15/2030	M	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Harper Evans	4345 Birch St	New York	NY	05/20/2035	F	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Lincoln Foster	4567 Spruce St	New York	NY	07/25/2040	M	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Penelope Grant	4789 Cedar St	New York	NY	09/30/2045	F	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Wyatt Hill	4901 Pine St	New York	NY	11/05/2050	M	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Scarlett King	5123 Oak St	New York	NY	01/10/2055	F	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Julian Lee	5345 Elm St	New York	NY	03/15/2060	M	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Chloe Miller	5567 Main St	New York	NY	05/20/2065	F	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Grayson Moore	5789 Central St	New York	NY	07/25/2070	M	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Madelyn Taylor	5901 East St	New York	NY	09/30/2075	F	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Easton White	6123 South St	New York	NY	11/05/2080	M	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Stella Young	6345 West St	New York	NY	01/10/2085	F	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Julian King	6567 North St	New York	NY	03/15/2090	M	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Madelyn Lee	6789 South St	New York	NY	05/20/2095	F	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Easton White	6901 East St	New York	NY	07/25/2100	M	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Stella Young	7123 West St	New York	NY	09/30/2105	F	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Julian King	7345 North St	New York	NY	11/05/2110	M	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Madelyn Lee	7567 South St	New York	NY	01/10/2115	F	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Easton White	7789 East St	New York	NY	03/15/2120	M	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Stella Young	7901 West St	New York	NY	05/20/2125	F	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Julian King	8123 North St	New York	NY	07/25/2130	M	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Madelyn Lee	8345 South St	New York	NY	09/30/2135	F	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Easton White	8567 East St	New York	NY	11/05/2140	M	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Stella Young	8789 West St	New York	NY	01/10/2145	F	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Julian King	8901 North St	New York	NY	03/15/2150	M	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Madelyn Lee	9123 South St	New York	NY	05/20/2155	F	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Easton White	9345 East St	New York	NY	07/25/2160	M	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Stella Young	9567 West St	New York	NY	09/30/2165	F	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Julian King	9789 North St	New York	NY	11/05/2170	M	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	
Madelyn Lee	9901 South St	New York	NY	01/10/2175	F	W	C	HS	Unemployed	\$1,000	\$2,500	\$1,500	