

STA REQUEST

San Diego Gas and Electric Company ("SDG&E" or "Company"), pursuant to Section 5.61 of the Federal Communications Commission's ("Commission's") rules, respectfully requests special temporary authority ("STA") to operate the experimental license as indicated in the attached application. In support thereof, the following information is provided.

SDG&E is the primary utility providing gas and electric service to a 2,400 square mile territory spanning San Diego County and portions of Imperial and Orange Counties in Southern California. The Company provides service to approximately 1,400,000 electric meters and 800,000 gas meters, of which some ten percent (10%) are commercial/industrial customers, while the rest are residential users.

The San Diego region is growing and so is the need for new supplies of energy. Due to San Diego's geographic position, hemmed in by the Pacific to the west and Mexico to the south, the region sits at the end of the power distribution line in California. No new power lines linking San Diego to the California energy grid have been built in 25 years. As a result, San Diego imports most of its electricity from outside the county. With electricity consumption surging at almost double the rate of population growth, the electricity supplies fall short of the region's requirements, leaving San Diego vulnerable to shortages and severe transmission disruptions, especially during times of emergency, such as frequent wildfires and earthquakes.

To fulfill San Diego's power needs, SDG&E built the Sunrise Powerlink, a 120-mile transmission line that carries renewable energy from the Imperial Valley to San Diego. The Sunrise Powerlink is an electricity superhighway that is intended strengthen San Diego's grid and ensure energy reliability for SDG&E customers. As part of the approval to construct the Sunrise Powerlink, SDG&E has also developed a fire mitigation program. The purpose of the program is to promote compliance with California law, to reduce structure damage from wildfires, and to facilitate fire-fighting efforts to ensure the safety of life and property.

SDG&E has implemented an extensive network of weather stations throughout its service territory in support of its fire mitigation effort. The Company is also working on extensive studies and modeling of atmospheric characteristics that can contribute to the dangerous Santa Ana wind conditions. SDG&E has purchased two RF based wind profilers that produce cross-sectional views of the air columns. This meteorological instrument, a "boundary layer radar wind profiler", comprises the following subsystems: an antenna subsystem consisting of a vertically-looking, high-performance, low-sidelobe antenna, whereby transmissions occur within 25 degrees or less boresight-offset from local vertical; a transmitter subsystem utilizing a solid-state commercial pulsed radar transmitter, frequency controlled by fixed crystal, capable of unmodulated and phase-modulated pulses; a specialized low-noise receiver subsystem having matched filtering capability; a signal processing subsystem performing target parameter extraction and identification, and a data processing/communication subsystem for charting, recording, and long-line transmission of results. The antenna and transmitter subsystems are designed to maximize interoperability among co-located systems.

Record heat, intense drought and powerful and desiccating Santa Ana winds has proven to be quite a combustible combination, producing dangerous wildfires in Southern California nearly all year. The Santa Ana winds blow mostly in autumn and winter, with September 1st typically being the start of fire season in California. In 2014, the winds and other conditions have been present most of 2014, severely exacerbating the wildfire situation in San Diego and the surrounding area.

The prediction and prevention of wildfires is a critical component of any fire mitigation plan that ultimately impacts the protection of life and property. The wind profilers intended to be used as part of this STA will model the winds to indicate the greatest risks for wildfires and where they are located, ensuring that fire-fighting resources will be deployed efficiently to protect public safety.

SDG&E will host various representatives from public safety agencies the first week in September, including the National Weather Service, NOAA, CAL FIRE, and the US Forest Service. These agencies intend to participate in SDG&E's testing of the wind profilers that are the subject of the instant STA. The STA is urgently needed to support SDG&E's efforts to provide fire-fighting and mitigation efforts; it is critical to the public safety fire protection efforts in Southern California, and SDG&E requests that this STA be granted as expeditiously as possible.

Kindly refer any questions or correspondence regarding this matter to Elizabeth R. Sachs, or Katherine Patsas Nevitt of Lukas, Nace, Gutierrez & Sachs at (703) 584-8663/ lsachs@fcclaw.com or (703) 584-8676/ kpatsas@fcclaw.com respectively.