Natural Gas is Part of a Complex Energy System.
Record of Proactive Steps to Manage Reliability

**EXTERNAL EVENTS**

1/2012
San Onofre Nuclear Generating System (SONGS) offline

The Renewables Portfolio Standard (RPS) was established in 2002.

RPS The most recent achieved goal - 2014 at 25%.

**SOCALGAS ACTIONS**

8/2012
Requested approval for four baseload contracts with interstate pipelines - granted authority for three. Help system operator manage the Southern System Minimum Flow Requirements.

11/2013
Requested and was granted authority to enter into contracts with core to ensure Southern System minimum flow requirement.

6/2014
Requested and granted authority to adopt low Operational Flow Order (OFO) and Emergency Flow Order (EFO) to balance supply and demand.

6/2015
SoCalGas seeks an update to 20 year old curtailment rules recognizing gas/electric interdependencies.

3/2016
Propose temporary modification to balancing rules to further enhance system safety and reliability.

3/2016
SoCalGas recommends spearheading a conservation campaign during Aliso moratorium.

**Ongoing**
Physical reliability projects.
Conserve Energy SoCal

The Need To Conserve This Year

With the limited availability of natural gas from the Aliso Canyon storage facility, there's less natural gas locally to produce electricity, particularly during high-usage periods. But that's no reason to feel powerless.

READ MORE
The well inspection process is divided into three distinct phases:

**PHASE 1  INITIAL TESTING**

All 114 wells at the Aliso Canyon Storage Facility are tested for:

- **Temperature:**
  A thermometer is lowered down the well on a weighted wire through the tubing to test for temperature variations. A temperature drop could indicate a leak.

- **Noise:**
  The noise test is conducted as the wire is pulled back to the surface using a sensitive microphone to record and listen for sound frequency changes that might indicate a leak.

Phase 1 approved wells will either move directly to phase 2 testing or be temporarily sealed and isolated from the reservoir until phase 2 can take place. Phase 1 non-approved wells will be temporarily sealed and isolated from the reservoir and scheduled for repairs or permanent abandonment.

**PHASE 2  DIAGNOSTIC TESTS**

**CONFIRMATION**

107 INITIAL TESTS COMPLETED
72 DOGGR APPROVED

Temporarily sealed and isolated from the reservoir wells have a maximum of 12 months to complete phase 2 testing and be brought back in service or permanently abandoned.
Aliso Canyon Well Inspection Process

2. DIAGNOSTIC TESTS

- Phase 2 Tests
- DOGGR Review
- Approved
- Make Ready for Injections/Withdrawal
- Not Approved
- Isolated and Taken Out of Operation
- Repair and Retest

3. CONFIRMATION

The Division of Oil, Gas, and Geothermal Resources (DOGGR) must confirm in writing that all wells in the storage field have either completed and passed the full battery of tests required in the safety review, been taken out of service and isolated from the underground gas reservoir, or been properly plugged and abandoned.