

**Gas Pipeline Replacement  
SF Cast Iron Pipe Talking Points  
September 13, 2012**

**Gas Pipeline Replacement Program:**

- At PG&E, our commitment to safe and reliable service includes upgrading our systems for the benefit of our customers.
- As part of this commitment, PG&E continuously looks for ways to reduce risks from earthquakes.
- Through our Gas Pipeline Replacement Project (GPRP), we are replacing older distribution cast iron and steel pipes with state-of-the-art high-strength pipes that will not corrode and are better able to withstand earthquakes.
- These new gas lines are more resistant to earthquakes because the material is strong but flexible; older gas lines are rigid and do not respond as well to the shaking of an earthquake.
  - **In the 1989 Loma Prieta earthquake, PG&E experienced one failure of a high-strength plastic piping system compared to numerous cast iron and steel pipe failures in San Francisco.**
- PG&E has identified a total of 2,367 miles of pipeline for replacement. 2,136 miles have been replaced so far – more than 90% has been completed (old numbers from 2011—need to update).
- So far, we have spent approximately \$1.5 billion on this program (as of end of 2010).
- **San Francisco had the highest concentration of mains at risk of failure due to earthquakes, and we have already replaced more than 527 miles of distribution mains in the City. We are continuing to work to replace the final 36 miles.** (This is slated to be completed by 2014.)
- Consistent with new federal regulations, in 2011 PG&E is moving to a "Distribution Integrity Management Program" or DIMP approach, employing a risk-based system to continuously evaluate distribution pipeline integrity risks and prioritize replacement work.