

**PACIFIC GAS AND ELECTRIC COMPANY
San Bruno GT Line Rupture Investigation
Data Response**

PG&E Data Request No.:	CPUC_213-05		
PG&E File Name:	SanBrunoGT-LineRuptureInvestigation_DR_CPUC_213-Q05		
Request Date:	October 14, 2011	Requester DR No.:	
Date Sent:	October 21, 2011	Requesting Party:	CPUC (CPSD)
		Requester:	Sunil Shori

QUESTION 5

Please explain the transition differences at the Colma Creek Crossing and why only the north transition is included on the graph in Figure 2.

ANSWER 5

The report covers two pipeline configurations. There is a generalized liquefaction case which covers straight pipe in the liquefaction zone. Additionally, there is analysis for the two most stringent design cases at the Colma Creek Crossing, one for the sag bend and the other for the deep straight pipe at the northern transition. The resultant strains for these three cases are shown in Figure 2.