CENTRAL VALLEY NATURAL GAS STORAGE PROJECT

VARIANCE REQUEST FORM



Date Required:	July 30, 2011	Variance Request No.:	No. 4 – Modification of Construction Method	
			NRCS Wetland Conservation Easement, just west of the Colusa Trough and south of the	
Date Submitted:	July 8, 2011	Location:	Sacramento NWR	
Property Owner(s):	Gunnersfield Enterprises	Parcel No.:	APN 012-150-012	
Current Land Use:	NRCS Wetland Conservation Easement	Sensitive Resources:	Wetlands and upland habitat for migratory wildlife	

Variance from: CVGS is now proposing to cross the entire NRCS wetland conservation easement owned by Gunnersfield Enterprises (660-foot-long) easement using the horizontal directional drill (HDD) method. This method will substantially avoid all surface impacts. The original proposed construction method was an open cut trench method. The location of this HDD is shown on Figure 3.

Description and Justification for Variance: Boring under the wetland conservation easement would avoid all surface disturbances and the need for long-term monitoring. The bore will be approximately 1,000 feet long and approximately 25 feet below the easement surface. The entry and exit sites will be located approximately 100 to 150 feet east and west of the wetland conservation easement. Central Valley does not anticipate any surface disturbance during the HDD bore under the wetland conservation easement.

Site Conditions/Comments: The wetland conservation easement is managed by NRCS as a wetland/upland complex and provides habitat for migratory birds.

Approvals	Date	Name (print)	Signature	Comments
CPUC				
Compliance Mgr				
Central Valley	7/8/11	Dirk de		None
Construction		Bruyn	DouBry	
Manager	-			
Central Valley	7/8/11	Susan	1 21/1	None
Environmental		Bushnell	Sun 3 Ben 5	
Manager		Bergfalk	100	

Prepared by: Susan Bushnell Bergfalk, Environmental Date

Manager, ICF International

Date: July 8, 2011

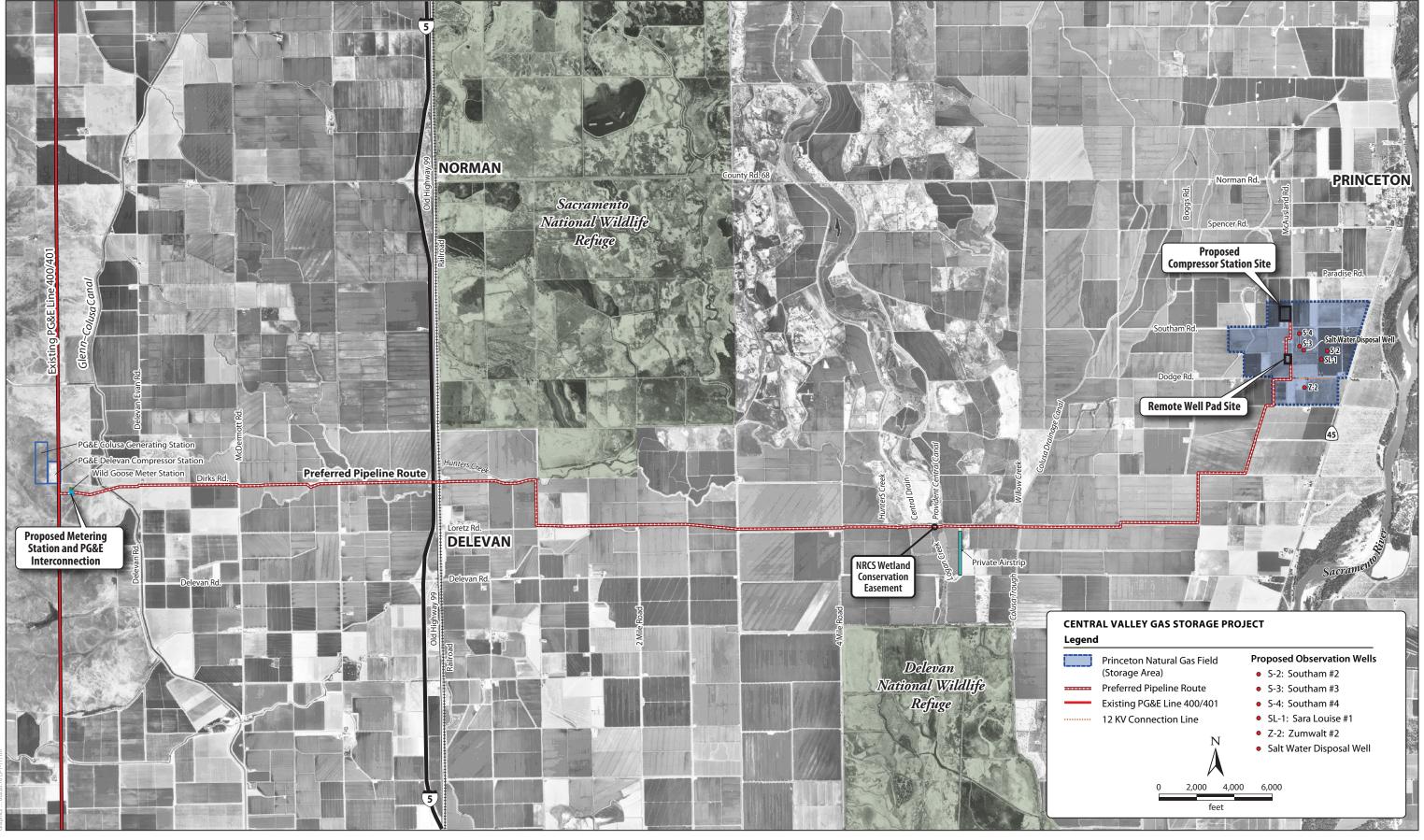




Figure 3 Project Components

