



## ecology and environment, inc.

Global Environmental Specialists

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March 4, 2016

Greg Healy ([GHealy@semprautilities.com](mailto:GHealy@semprautilities.com))  
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Southern California Gas Company  
555 West Fifth Street  
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**SENT VIA EMAIL**

**Re: Data Request No. 2 for the North-South Pipeline Project (A. 13-12-013)**

Mr. Healy:

Ecology and Environment, Inc., on behalf of the Energy Division of the California Public Utilities Commission and the United States Forest Service, requests information relating to the North-South Pipeline Project contained in Attachment 1.

We request that the responses to this attachment be returned on or before Friday, March 25, 2016. Questions relating to the North-South Pipeline Project should be directed to Eric Chiang at (415) 703-1956 or [Eric.Chiang@cpuc.ca.gov](mailto:Eric.Chiang@cpuc.ca.gov).

Sincerely,

Erec DeVost  
Project Manager

Cc: Luke Shillington, Ecology and Environment, Inc.  
Eric Chiang, California Public Utilities Commission, Energy Division  
Bob Hawkins, United States Forest Service  
Jessica Kinnahan, SoCalGas  
Blair Baker, SoCalGas

Attachment 1: Data Request #2

## North-South Pipeline Project Data Gaps – Data Request #2

Complete	Incomplete (no further request at this time)	Incomplete (additional request)	Response Under Review	No Applicant Response
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Topic	DG#	Source/ Section/ Page	Data Gap Question	Request Date	Reply Date	Status	Notes
<b>Example</b>							
Project Description	1	Project Description, Section 3.2, Page 10	Explain the definitions of “installed” and “removed,” as used in the fifth bullet point on page 1-5 of the PEA, which states that 4,719 meters were installed and 1,061 removed. Are the “installed” meters new ones that were physically installed, or are they meters that were turned on after being switched off? Are the “removed” meter boxes physically removed or just turned off?			Incomplete	
<b>Data Request #1</b>							
Project Description	1	Section 3.5.1, Page A-15	Provide the volume of ammonia that we be stored in the tank at the Adelanto Compressor Station to support the selective catalytic reduction system.	12/9/15	1/8/2016	Complete	
Project Description	2	Section 3.5.1, Page A-15	Provide additional details about the three new natural gas fueled generators that would be installed at the Adelanto Compressor Station including the size of the generators and estimated run-times per day.	12/9/15	1/8/2016	Complete	
Project Description	3	Section 3.5.1, Page A-16	Describe the limited on-site electrical facilities that would be installed at the Adelanto Compressor Station.	12/9/15	1/8/2016	Incomplete	Include attachment referenced in response.
Project Description	4	Section 3.5.1, Page A-17	Describe the number, types, and sizes of tanks and vessels that would be installed at the Adelanto Compressor Station. Disclose the types and volumes of material that would be stored in each of the tanks. Describe the BMPs that would be employed to ensure spill containment.	12/9/15	1/8/2016	Complete	
Project Description	5	Section 3.5.1, Page A-17	Provide GIS data that shows the locations and footprints of the five new buildings that would be installed at the Adelanto Compressor Station.	12/9/15	1/8/2016	Incomplete	Preliminary plot plan was provided.
Project Description	6	Section 3.5.3, Page A-18	Describe the new pressure limiting and communications equipment that would be installed at the Moreno Pressure Limiting Station.	12/9/15	1/8/2016	Complete	
Project Description	7	Section 3.5.3, Page A-19	Describe the new pressure limiting and communications equipment that would be installed at the Whitewater Pressure Limiting Station.	12/9/15	1/8/2016	Complete	
Project Description	8	Section 3.5.3, Page A-19	Describe the new pressure limiting and communications equipment that would be installed at the proposed Shaver Summit Pressure Limiting Station.	12/9/15	1/8/2016	Complete	

## North-South Pipeline Project Data Gaps – Data Request #2

Topic	DG#	Source/ Section/ Page	Data Gap Question	Request Date	Reply Date	Status	Notes
Project Description	9	Section 3.5.3, Page A-19	The description of the Shaver Summit Pressure limiting station states that, "...modifications to the station would require the acquisition of an approximately 75-foot-wide by 100-foot-long right-of-way." This footprint is smaller than the new disturbance footprint required for the existing pressure limiting stations. Confirm that the 75'x100' right-of-way is correct, and, if not, provide updated numbers.	12/9/15	1/8/2016	Complete	
Project Description	10	Section 3.5.3, Page A-19	Describe the new pressure limiting and communications equipment that would be installed at the Desert Center Compressor Station.	12/9/15	1/8/2016	Complete	
Project Description	11	Section 3.5.4, Page A-20	Provide a description of the type of power that would be used at each of the 16 proposed main line block valves. If existing commercial power would be used, describe the infrastructure that would be required to bring the existing commercial power from its source to the main line block valve location. Also describe the disturbance area required for new power infrastructure. If solar power would be used, describe the system components including the number of panels, batteries, or other backup power supply.	12/9/15	1/8/2016	Incomplete	Additional information on power sources provided, but does not appear to be final at this time. Some MLV locations not final.
Project Description	12	Section 3.5.5, Page A-20	Provide locations of leak detection monitoring stations, indicate whether each station would use solar or commercial power. If existing commercial power would be used, describe the infrastructure that would be required to bring the existing commercial power from its source leak detection monitoring station location. Also describe the disturbance area required for new power infrastructure.	12/9/15	1/8/2016	Incomplete	Locations of leak detection monitoring stations along pipeline not finalized. Power and communication sources and required connections not yet identified.
Project Description	13	Section 3.8, Page A-24	This section states "The Applicant would use environmentally responsible construction practices to the extent possible. These practices would be identified in Applicant's construction plans." For the environmentally responsible construction practice to be considered in the environmental analysis they must be included in the project description or proposed as APMs. If desired, provide a description of the environmentally construction practices, or additional APMs if these practices would be in addition to the APMs already proposed in the PEA.	12/9/15	1/8/2016	Complete	Additional measures would be developed based on potentially significant effects that arise in further analysis of the project.
Project Description	14	Section 3.8.2, Page A-26	For the decommissioning of existing facilities at the Adelanto Compressor Station, identify locations where liquids would be disposed and landfills that waste would be trucked to. Estimate the number of truck trips needed for the decommissioning process.	12/9/15	1/8/2016	Complete	

## North-South Pipeline Project Data Gaps – Data Request #2

Topic	DG#	Source/ Section/ Page	Data Gap Question	Request Date	Reply Date	Status	Notes
Project Description	15	Section 3.8.2, Page A-26	Identify potential sources of aggregate for the temporary construction yard and provide estimates of the volumes of aggregate needed and number of truck trips.	12/9/15	1/8/2016	Complete	
Project Description	16	Section 3.8.2, Page A-26 – A-27	Under the subheading “Water Use and Hydrostatic Testing” it is estimated that up to 5,000 gallons of water would be needed per day during construction of the Adelanto Compressor Station and that 50,000 gallons of water would be needed for hydrostatic testing of compressor station piping. Table 3-4 (Page A-27) indicates that six 3-axle water trucks would be needed during construction of the Adelanto Compressor Station. Please confirm that the six water trucks would only be needed for the hydrostatic testing at the Adelanto Compressor Station.	12/9/15	1/8/2016	Complete	
Project Description	17	Section 3.8.2, Page A-27	Identify potential specific sources of water for construction and hydrostatic testing of the Adelanto Compressor Station and provide an estimate for the daily number of truck trips required.	12/9/15	1/8/2016	Incomplete	It is assumed that municipal water will be used for construction and hydro testing, but it has not been secured.
Project Description	18	Section 3.8.3, Page A-29	Provide the locations and dimensions of areas that would be cleared of brush/vegetation outside of the expanded footprints of the pressure limiting stations.	12/9/15	1/8/2016	Complete	
Project Description	19	Section 3.8.3, Page A-30	Identify potential disposal facilities for spoil material. Estimate the total number of truck trips required to transport spoil material to each potential disposal facility. Provide the average one-way mileage from the source that the spoil material is generated to the potential disposal facility. Provide an estimate of the duration of the spoil material generating activities associated with each potential disposal facility. Provide an estimate of the number of truck trips per day to transport spoil material from the locations that the spoil material is generated to each potential disposal facility. Provide the total miles required to transport spoil material to each potential disposal facility.	12/9/15	1/8/2016	Complete	
Project Description	20	Section 3.8.3, Page A-32	Provide GIS data that identifies the locations where bridge crossings would be required.	12/9/15	1/8/2016	Complete	
Project Description	21	Section 3.8.3, Page A-33	Table 3-5 contains known crossing locations for the proposed pipeline routes and the anticipated type of installation that would be used for the crossing. Provide a description of the “span” type of installation. Confirm that all stream crossings not listed in Table 3-5 will be crossed using the open cut method .	12/9/15	1/8/2016	Complete	

## North-South Pipeline Project Data Gaps – Data Request #2

Topic	DG#	Source/ Section/ Page	Data Gap Question	Request Date	Reply Date	Status	Notes
Project Description	22	Section 3.8.3, Page A-35	Identify potential sources of imported rock-free sand for pipeline padding. Estimate the volume of sand that will be needed for pipeline padding. Estimate the total number of truck trips required to transport the sand from each potential source. Provide the average one way mileage from each potential sand source to the locations that it will be used. Provide an estimate of the duration of sand padding activities for each location of the pipeline that will use sand from each potential source. Provide an estimate of the number of truck trips per day to transport the sand from each potential source to the portion of the pipeline that will use sand from that potential source. Provide the total miles required to transport sand from each potential source to the portions of the pipeline that may use that potential source.	12/9/15	1/8/2016	Response Under Review	Response provided estimated volumes and vehicle miles, but are based on gross assumptions for required backfill needs. Confirming spoils storage and backfill requirements in urbanized areas.
Project Description	23	Section 3.8.3, Page A-35	Identify potential sources of sand/slurry mixture needed for backfill in urban areas. Estimate the total volume of sand/slurry backfill that will be needed for pipeline construction. Estimate the total number of truck trips required to transport the sand/slurry mixture from each potential source. Provide the average one way mileage from each potential sand/slurry mixture source to the locations that it will be used. Provide an estimate of the duration of sand/slurry backfill activities for each location of the pipeline that will use sand/slurry mixture from each potential source. Provide an estimate of the number of truck trips per day to transport the sand/slurry mixture from each potential source to the portion of the pipeline that will use sand/slurry from that potential source. Provide the total miles required to transport sand/slurry from each potential source to the portions of the pipeline that may use that potential source.	12/9/15	1/8/2016	Incomplete	Provide spreadsheet detailing sources, volumes, and truck trip information referenced in response.

## North-South Pipeline Project Data Gaps – Data Request #2

Topic	DG#	Source/ Section/ Page	Data Gap Question	Request Date	Reply Date	Status	Notes
Project Description	24	Section 3.8.3, Page A-36	Identify specific sources of water used for erosion and sediment control, dust control, and hydrostatic testing of the pipeline. Identify sources for each segment, and provide estimated amounts of water needed by source. Provide the average one way mileage from each potential water source to the locations where it will be used. Provide an estimate of the number of truck trips per day to transport the water from each potential source to the portion of the pipeline that will require water from that potential source. Provide the total miles required to transport water from each potential source to the portions of the pipeline that may use that potential source.		1/8/2016	Complete	
Project Description	25	Section 3.8.3, Page A-36	Provide typical dimensions needed for work areas associated with hydrostatic testing. Provide GIS data (polygon) that indicates where the proposed work areas would be located.	12/9/15	1/8/2016	Complete	
Project Description	26	Section 3.8.3, Page A-36	Provide an estimate of the duration required to conduct hydrostatic testing for the pipeline. Estimate the number of truck trips that would be needed per day and vehicle miles traveled per day, per hydrostatic test segment, that would be needed to facilitate hydrostatic testing.	12/9/15	1/8/2016	Complete	
Project Description	27	Section 3.8.5, Page A-38	Identify the locations of the three 10-acre staging areas that would be required for temporary offices and the two 10- to 15-acre staging areas that would be required for pipe deliveries received from railcar.	12/9/15	1/8/2016	Incomplete	The locations provided have not been finalized and are only approximate.
Project Description	28	Section 3.8.5, Page A-1	Identify potential sources of aggregate needed construction. Estimate the total volume of aggregate that will be needed. Estimate the total number of truck trips required to transport the aggregate from each potential source. Provide the average one way mileage from each aggregate source to the locations that it will be used. Provide an estimate of the duration of aggregate trucking activities for each location of the pipeline that will use aggregate from each potential source. Provide an estimate of the number of truck trips per day to transport the aggregate from each potential source to the portion of the pipeline that will use aggregate from that potential source. Provide the total miles required to transport aggregate from each potential source to the portions of the pipeline that may use that potential source.	12/9/15	1/8/2016	Complete	

## North-South Pipeline Project Data Gaps – Data Request #2

Topic	DG#	Source/ Section/ Page	Data Gap Question	Request Date	Reply Date	Status	Notes
Project Description	29	Section 3.8.5, Page A-1	Identify potential sources of asphalt needed construction. Estimate the total volume of asphalt that will be needed. Estimate the total number of truck trips required to transport the asphalt from each potential source. Provide the average one way mileage from each asphalt source to the locations that it will be used. Provide an estimate of the duration of asphalt trucking activities for each location of the pipeline that will use asphalt from each potential source. Provide an estimate of the number of truck trips per day to transport the asphalt from each potential source to the portion of the pipeline that will use asphalt from that potential source. Provide the total miles required to transport asphalt from each potential source to the portions of the pipeline that may use that potential source.	12/9/15	1/8/2016	Complete	
Project Description	30	Section 3.8.5, Page A-1	Provide information on the number of spreads that will be engaged in construction simultaneously. Include information on the duration and number of spreads that will be engaged in construction simultaneously per estimated construction month.	12/9/15	1/8/2016	Complete	
Project Description	31	Section 3.8.5, Page A-4	In Table 3-11, provide estimates for the duration required for HDD crossings and bored crossings.	12/9/15	1/8/2016	Complete	
Project Description	32	Section 3.9, III. Pesticide and Herbicide Application, Page A-6	Please specify the proposed formulations, application rates, application method, and locations for herbicides used in vegetation management.	12/9/15	1/8/2016	Complete	
Project Description	33	GIS Disturbance Data 09_01_2015	There are a number of known pipeline crossings that utilize the casing bore, slick bore, or HDD technique, as described in Table 3-5 of the Project Description. The GIS data provided by SoCalGas on September 1, 2015 shows the PDCC extending across many of the features that would be bored or drill under. For each crossing location where the PDCC extends across the feature that would be crossed (e.g., aqueduct, railroad, etc.), provide revised disturbance data for the PDCC that accurately depicts where temporary disturbance would take place.	12/9/15	1/8/2016	Complete	
Project Description	34	GIS Disturbance Data 09_01_2015	For each crossing referenced in DG #33 above, provide GIS data that shows the estimated disturbance areas needed for sending/receiving pits and pipe stringing.	12/9/15	1/8/2016	Complete	

## North-South Pipeline Project Data Gaps – Data Request #2


Topic	DG#	Source/ Section/ Page	Data Gap Question	Request Date	Reply Date	Status	Notes
Project Description	35	GIS Disturbance Data 09_01_2015	Between Mile Posts 10 and 12, the GIS Disturbance Data provided by SoCalGas on September 1, 2015 shows the PDCC encroaching on a number of residential driveways. Confirm whether the PDCC would encroach upon residential driveways. If not, provide revised GIS data that does not show the PDCC encroaching upon residential driveways.	12/9/15	1/8/2016	Complete	
Project Description	36	20150812_A DM MASTER ROUTE REV 16 OPTIONS.KMZ	The Google Earth (.kmz) file that depicts the locations of project features shows the pipeline route encroaching on a number of residential driveways between Mile Posts 10 and 12. Confirm whether the pipeline route would encroach upon residential driveways. If not, provide updated data (preferably an ESRI shapefile or feature class) that does not show the pipeline route encroaching upon residential driveways.	12/9/15	1/8/2016	Complete	
Project Description	37	GIS Disturbance Data 09_01_2015	In the vicinity of Mile Post 28, the GIS Disturbance Data provided by SoCalGas on September 1, 2015 shows the PDCC narrowing to a width of approximately 42 feet. Provide a description of why the PDCC narrows in this location and a narrative description of the techniques that would be used to facilitate construction within this 42-foot wide area.	12/9/15	1/8/2016	Incomplete	Provide a description of how the material excavated from the trench would be handled. Where would the material be stored while the pipeline is being installed? Provide an estimate of the number of truck trips required to transport the material excavated from the trench off-site and then back to the site for backfilling.



## North-South Pipeline Project Data Gaps – Data Request #2

Topic	DG#	Source/ Section/ Page	Data Gap Question	Request Date	Reply Date	Status	Notes
Project Description	38	GIS Disturbance Data 09_01_2015	In general, within the urbanized areas of the pipeline route, the GIS Disturbance Data provided by SoCalGas on September 1, 2015 depicts the PDCC taking up the entire width of the roads, regardless of how many lanes the road is. For example, at Mile Post 37, the PDCC is approximately 80 feet wide and is wider than all 4 lanes of the road. As another example, on Valencia Avenue near Mile Post 38, the PDCC takes up the entire road and appears to encroach upon driveways and residential properties. Provide revised GIS data that more accurately depicts the width of the PDCC within the urbanized areas of the pipeline route.	12/9/15	1/8/2016	Incomplete	The PDCC will factor into temporary disturbance acreages used for assessing air quality impacts and to evaluate potential impacts to traffic and transportation. As such, the PDCC should only be as wide as the total required construction width within each of the different types of areas that construction will be taking place in (e.g., urbanized/paved areas, remote rural areas). Page A-31 of the Project Description indicates that the total required construction width within urbanized areas would be up to 50 feet wide.
Project Description	39	GIS Disturbance Data 09_01_2015	The GIS Disturbance Data provided by SoCalGas on September 1, 2015 depicts the PDCC crossing the Santa Ana River between Mile Posts 45 and 46. However, Table 3-5 in the Project Description indicates that the Santa Ana River will be an HDD crossing. Confirm that the Santa Ana River crossing will be accomplished with an HDD and provide revised GIS data that accurately depicts the disturbance area associated with the Santa Ana River crossing.	12/9/15	1/8/2016	Complete	
Project Description	40	GIS Disturbance Data 09_01_2015	The GIS Disturbance Data provided by SoCalGas on September 1, 2015 depicts a staging area located on the west side of S Gardena St between Mile Posts 47 and 48 that is directly on top of existing structures. Please confirm whether this location is proposed as a staging area.	12/9/15	1/8/2016	Complete	
Project Description	41	GIS Disturbance Data 09_01_2015	The GIS Disturbance Data provided by SoCalGas on September 1, 2015 shows the proposed access route to the proposed Shaver Summit Pressure Limiting Station. The access route crosses BLM land and the disturbance data shows impacts associated with improving the access road on BLM land. Confirm whether disturbance would be required on BLM land.	12/9/15	1/8/2016	Complete	

## North-South Pipeline Project Data Gaps – Data Request #2

Topic	DG#	Source/ Section/ Page	Data Gap Question	Request Date	Reply Date	Status	Notes
Project Description	42	GIS Disturbance Data 09_01_2015	<p>The GIS Disturbance Data provided by SoCalGas on September 1, 2015 shows the proposed access route to the proposed Shaver Summit Pressure Limiting Station crossing the temporary and permanent disturbance areas associated with the proposed Shaver Summit Pressure Limiting Station and terminating at what appears to be an existing pressure limiting station about 3,750 feet to the west of the disturbance areas associated with the proposed Shaver Summit Pressure Limiting Station. Please:</p> <ul style="list-style-type: none"> <li>-Confirm that the disturbance areas associated with the proposed Shaver Summit Pressure limiting station are located in the correct place. If the disturbance areas are located in the incorrect place, provide updated GIS data that shows the disturbance areas located in the correct place;</li> <li>-Confirm that the Shaver Summit Pressure Limiting Station does not already exist;</li> <li>-Provide revised GIS data that shows the access route to the proposed Shaver Summit Pressure Limiting Station terminating at the permanent disturbance area associated with the proposed pressure limiting station or an explanation of why the disturbance data shows the access road terminating approximately 3,750 feet to the west of the disturbance area associated with the proposed pressure limiting station.</li> </ul>	12/9/15	1/8/2016	Complete	 SS_Dist.JPG
Project Description	43	GIS Disturbance Data 09_01_2015	<p>The GIS Disturbance Data provided by SoCalGas on September 1, 2015 depicts a 12-foot by 8-foot permanent disturbance area (labeled “valve actuator”) around MLV 9. Please confirm that the permanent disturbance area is smaller than the other main line valves because MLV 9 will be located underground. The disturbance data does not include a temporary disturbance area around MLV 9. Please provide updated GIS data that shows the temporary disturbance area associated with MLV 9.</p>	12/9/15	1/8/2016	Complete	

## North-South Pipeline Project Data Gaps – Data Request #2

Topic	DG#	Source/ Section/ Page	Data Gap Question	Request Date	Reply Date	Status	Notes
Project Description	44	GIS Disturbance Data 09_01_2015	Similar to MLV 9 discussed in DG #43 above, the GIS Disturbance Data provided by SoCalGas on September 1, 2015 depicts a 12-foot by 8-foot permanent disturbance area (labeled “valve actuator”) around MLV 10. Unlike MLV 9, the Project Description does not indicate that MLV 10 would be installed underground. Please confirm whether MLV 10 would be installed aboveground or underground. If MLV 10 would be installed aboveground, please provide revised GIS data that accurately depicts the temporary and permanent disturbance areas associated with MLV 10.	12/9/15	1/8/2016	Complete	
<b>Data Request #2</b>							
Project Description	45	GIS Project_Features_Rev17_20160108	There are several miles of access roads, primarily within San Bernardino National Forest between Mile Posts 11 and 17, which appear to parallel one another and provide redundant pipeline access. Please describe why multiple access roads are necessary in these locations.	3/4/16			
Project Description	46	GIS Project_Features_Rev17_20160108	Are temporary and permanent impacts from cathodic protection rectifiers included (respectively) within the PDCC and permanent pipeline right-of-way?	3/4/16			
Project Description	47	Section 3.5 Page A-15	Provide a description of the components and operation of the SCADA system and describe how new project components will be integrated into the system.	3/4/16			
Project Description	48	Section 3.5.1 Page A-17	Provide a description of fire safety protocols for the Adelanto Compressor station.	3/4/16			
Project Description	49	Section 3.5.3, Page A-18	Provide the fencing type and height for the proposed Shaver Summit Pressure Limiting Station.	3/4/16			
Project Description	50	Section 3.7 Page A-22	Provide the estimated acres of new right-of-way that will be required for the pipeline (each of 4 sections), access roads, and above-ground facilities.	3/4/16			
Project Description	51	Section 3.7, Page A-22	Describe the right-of-way procurement procedure including the timing relative to construction. Who will be responsible for right-of-way procurement?	3/4/16			
Project Description	52	Section 3.8, Page A-23	Will the construction and commissioning of the proposed project result in service interruptions? What is the expected timing and duration of any anticipated service interruptions and who would be affected? How will temporary service be provided during service interruptions? Describe any construction scheduling to minimize the impact of service interruptions.	3/4/16			

## North-South Pipeline Project Data Gaps – Data Request #2

Topic	DG#	Source/ Section/ Page	Data Gap Question	Request Date	Reply Date	Status	Notes
Project Description	53	Section 3.8, Page A-23	Provide a list of hazardous materials and/or wastes that will be generated or stored on the project site during construction.	3/4/16			
Project Description	54	Section 3.8, Page A-23	Provide a list of general (non-hazardous) waste materials that will be generated during construction.	3/4/16			
Project Description	55	Section 3.8.3, Page A-29	Section 3.8.3 states “The total required construction width could be up to 50 feet wide within urbanized areas/paved roadways and up to 300 feet wide within remote rural areas.” Provide the typical ROW width required for the proposed pipeline in urbanized and non-urbanized areas.	3/4/16			
Project Description	56	Section 3.8.3, Page A-29	Describe construction sequencing and techniques that would be used in urbanized areas and paved roadways where typical right-of-way width is decreased, resulting in less space for storage of materials and pipe stringing.	3/4/16			
Project Description	57	Section 3.8.3, Page A-29	The pipeline passes through several areas where steep slopes are present. Please identify areas where special construction techniques and grading are anticipated and describe the techniques that would be used in these areas.	3/4/16			
Project Description	58	Section 3.8.3, Page A-29	Describe any measures that will be employed to prevent safety issues related to open trenches (e.g., fencing or temporary coverings used in urban areas).	3/4/16			
Project Description	59	Section 3.8.3, Page A-33	Is construction through wet/saturated soils anticipated for the pipeline? If so, describe any special construction methods that may be used in these areas (e.g., timber mats, fabric).	3/4/16			
Project Description	60	Section 3.8.3, Page A-33	Describe techniques that would be used for open cut water crossings, both for dry crossings and if water is flowing at the time of construction.	3/4/16			
Project Description	61	Section 3.8.5, Page A-38	How many truck trips and miles will be required to transport pipeline segments from rail yards to the proposed alignment?	3/4/16			
Project Description	62	Section 3.8.6, Page 3-36	Provide the average number of vehicle trips and miles per day that will be expected for construction personnel to commute to worksites on the pipeline and the Adelanto Compressor Station.	3/4/16			

## North-South Pipeline Project Data Gaps – Data Request #2

Topic	DG#	Source/ Section/ Page	Data Gap Question	Request Date	Reply Date	Status	Notes
Project Description	63	Section 3.9	Section 3.9 – <i>Post Construction Project Operations</i> appears to describe inspection, maintenance, repair, and emergency measures for the greater pipeline system. Please revise this section for specific application to the proposed project. For each described post-construction activity, provide the anticipated frequency that the activity would be completed, where the activity would take place, and the maximum associated land disturbance area (if not already described).	3/4/16			
Project Description	65	Section 3.5.2	What pressure, or range of pressures, will the N-S pipeline be operated at? Based on the stated pressure range, how much gas could the system deliver to Moreno Valley in MMcfd?	3/4/16			
Alternatives	66	Figures 7-2 and 7-2	Please provide GIS data for the cross desert and River Route Alternatives as presented in the PEA	3/4/16			
Alternatives	67	Scoping	During the public scoping period, the Southern California Generators Coalition proposed an alternative that would allow SoCalGas to move gas from the Honor Rancho Storage Field to the Moreno Pressure Limiting Station. Provide GIS data for Lines 2000, 225, 4000, 1185, 235, 4002, 335, and 2011. The GIS data set should also include the locations of SoCalGas' storage fields, and associated infrastructure (pressure limiting and compressor stations, etc.) along the above-mentioned lines. The GIS data should be attributed with the size of the pipelines. Also, provide an update of the current status of looping line 2001 between Chino and Moreno since testimony in SoCalGas' most recent General Rate Case.	3/4/16			