



## ecology and environment, inc.

Global Environmental Specialists

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Southern California Gas Company  
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**SENT VIA EMAIL**

**Re: Data Request No. 1 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, January 8, 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 #1

## North-South Pipeline Project Data Gaps – Project Description

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		Incomplete	
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		Incomplete	
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		Incomplete	
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		Incomplete	
Project Description	5	Section 3.5.1, Page A-17	Provide GIS data that shows the locations and footprints of the five new building that would be installed at the Adelanto Compressor Station.	12/9/15		Incomplete	
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		Incomplete	
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		Incomplete	
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		Incomplete	

## North-South Pipeline Project Data Gaps – Project Description

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		Incomplete	
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		Incomplete	
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		Incomplete	
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		Incomplete	
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		Incomplete	
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		Incomplete	
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		Incomplete	

## North-South Pipeline Project Data Gaps – Project Description

Topic	DG#	Source/ Section/ Page	Data Gap Question	Request Date	Reply Date	Status	Notes
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-axel 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		Incomplete	
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		Incomplete	
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		Incomplete	
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		Incomplete	
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		Incomplete	
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		Incomplete	

## North-South Pipeline Project Data Gaps – Project Description

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		Incomplete	
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		Incomplete	
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. Identified 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.				
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		Incomplete	

## North-South Pipeline Project Data Gaps – Project Description

Topic	DG#	Source/ Section/ Page	Data Gap Question	Request Date	Reply Date	Status	Notes
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		Incomplete	
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		Incomplete	
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		Incomplete	
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		Incomplete	
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		Incomplete	
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		Incomplete	

## North-South Pipeline Project Data Gaps – Project Description


Topic	DG#	Source/ Section/ Page	Data Gap Question	Request Date	Reply Date	Status	Notes
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		Incomplete	
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		Incomplete	For each of the crossings, the PDCC should appear similar to the PDCC for the Union Pacific Railroad Crossing near MP 47.5.
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		Incomplete	
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		Incomplete	
Project Description	36	20150812_ADM 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		Incomplete	
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		Incomplete	

## North-South Pipeline Project Data Gaps – Project Description

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		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		Incomplete	
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		Incomplete	



## North-South Pipeline Project Data Gaps – Project Description

Topic	DG#	Source/ Section/ Page	Data Gap Question	Request Date	Reply Date	Status	Notes
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		Incomplete	
Project Description	42	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 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: -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; -Confirm that the Shaver Summit Pressure Limiting Station does not already exist; -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.	12/9/15		Incomplete	 SS_Dist.JPG
Project Description	43	GIS Disturbance Data 09_01_2015	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.	12/9/15		Incomplete	

## North-South Pipeline Project Data Gaps – Project Description

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		Incomplete	