DRA DATA REQUEST
DRA-SCG-062-KCL
SOCALGAS 2012 GRC – A.10-12-006
SOCALGAS RESPONSE
DATE RECEIVED: MARCH 22, 2011
DATE RESPONDED: APRIL 5, 2011

Exhibit Reference: SCG-05 and SCG-05-CWP

Subject: Gas Engineering and Transmission

Please provide the following:

1. Please provide recorded data for each category of capital expenditures (see Table SCG-RCK-17 on Pages RKS-70 and -71 of direct testimony Exhibit No. SCG-05) in 2009 dollars for Year 2010. Please provide a list of projects with expenditures over $500,000 in 2009 dollars for each category.

SoCalGas Response:

SoCalGas has not yet finalized its 2010 expense data, and is therefore unable to provide that information at this time.

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2. Please provide a list of projects with expenditures over $500,000 for Year 2009 in 2009 dollars for each budget category.

SoCalGas Response:

The following are projects having costs in 2009 of $500k or more:

		Projects in year 2009 with $500k+ charges	**Recorded Adjusted ($1,000) in 2009 $s**
BC	Work Order	Description	
276	97064	(TIMP) L 38-504 REPLACE PIPE & RETROFIT	1,843
	97015	(TIMP) REPLACE 3625' OF 12" SL 38-200	485
	80355	CALIMESA BLVD.	1,754
3X1	96713	NO./SO. TRANSMISSION SYSTEM INTERCONNECT	5,536
	96460	IMPERIAL VALLEY LOOP PIPELINE	20,006
3X2	96118	LN 404 RETROFIT & INTERNAL INSPECTION	1,192
	96245	LN 7039 INT INSPECT LAUNCHER & REC'R	564
	96257	LN 2000 RETROFIT & INT INSPECT RIO HONDO	2,294
	96282	L-1020 PRE PLAN RETROFIT & INTERNAL INSP	1,022
	97010	LINE 325 RETRO & ILI DUAL DIA 16" & 20"	600
	97019	LINE 1172 RETROFIT & INSPECTION	1,819
	97020	LINE 1173 EXTEND, RETROFIT & INSPECTION	4,530
	97039	TIMP L 1017 RETROFIT & INTRNAL INSPECT	3,052
	97067	(TIMP) L 5041 REPLACEMENT	903
	97074	TIMP L 247 RETROFIT FOR SMART PIGGING	818
	97079	L 2051 RETROFIT (CACTUS CITY/WHITE WATER	1,143
	97082	TIMP - L -235 NEWBERRY TO QUIGLEY	4,643
	97105	(TIMP) L 5000 RETROFIT & INSPECTION	3,610
	95903	S&E ETS CAPITAL REASSIGNMENT	1,123
	95951	LINE 85 REPAIR - OSITO CANYON	2,503
	96269	REL L119 @ PYRAMID LAKE DUE TO LANDSLIDE	556
	96773	L 407 & 3003 PIPE EXPOSUR REPAIR-SUL CYN	3,966
313	96906	L 6000-2 & L 6001-2 RELOCATION-HWY 111	530
3X4	96632	RELOC L-1027,1028, 5900 - MURRIETTA MRT	852
	96735	L-2000 LASSELLE ST AND BRODIAEA AV RELOC	574
	95432	P2: REL 30 INCH L324 TO DEVELOP HWY101/	2,228
3X5	96750	REBUILD TURBINE @ KELSO COMPRESSOR STA.	1,409

Response to Question 2 (Continued)

3X6	None		
3X8	96318	NRG LONG BEACH GENERATORS NEW MSA	615
	96677	BLYTHE ENERGY MSA PROJECT	1,354
3X9	None		
736	96836	CAPITAL TOOLS: REUSABLE PIGGING VALVES	779

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3. Please provide the most current estimates for each category of capital expenditures (see Table SCG-RCK-17 on Pages RKS-70 and -71 of direct testimony Exhibit No. SCG-05) in 2009 dollars for Year 2011 and 2012.

SoCalGas Response:

Please see Exhibit SCG-04-CWP for SoCslGas' forecasts for years 2011 and 2012. These forecasts have not changed.

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4. Please provide the total numbers of launchers and receivers used in 2010 for ILI assessment, and the numbers budgeted in Year 2011 and Year 2012 for Budget Category 276.

SoCalGas Response:

To successfully complete an In-Line Inspection (ILI) of a pipeline a number of operations must be performed before and after inserting and running the inspection tool. These operations are outlined in the capital workpapers for retrofit and ILI projects, (See RKS-CWP-1, for example) and include the Retrofit and Replacement Component, the Launcher-Receiver Component, the In-Line Inspection Component, and the Excavation Component.

The question posed above inquires about the number of launchers and receivers used for ILI assessments. One launcher assembly and one receiver assembly are required for each ILI assessment. Depending on individual project specifics, the launcher and receiver assemblies may be permanently or temporarily installed on the pipeline. This decision is primarily location-dependent. For example, a launcher or receiver could not be permanently installed in the middle of a large thoroughfare, but would be more appropriately installed within the confines of an existing company facility yard.

Over time, SoCalGas has created an inventory of launcher and receiver assembly components of various sizes which allows for completion of ILI assessments requiring temporary launcher and receiver installations. Permanent assemblies are ordered, fabricated and installed as needed.

The table below quantifies the number and types of launcher and receiver assemblies used for BC276. Each quantity listed represents an installation of both a launcher and receiver assembly.

	Type of Installation		
Year	Permanent	Temporary	Total
2010	0	0	0
2011	1	1	2
2012	0	1	1

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5. Please provide the total numbers of launchers and receivers used in 2010 for ILI assessment, and the numbers budgeted in Year 2011 and Year 2012 for Budget Category 3x2.

SoCalGas Response:

To help explain the data presented in the following table, please see response to Question No. 4 for explanation of launcher/ receiver installation types.

The table below quantifies the number and types of launcher and receiver assemblies used for BC312. Each quantity listed represents an installation of both a launcher and receiver assembly.

	Type of Installation		
Year	Permanent	Temporary	Total
2010	10	5	15
2011	5	11	16
2012	5	12	17

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6. Please provide a list of major hardware and/or electronic components in each launcher and receiver, and the detailed costs of each components.

SoCalGas Response:

The table below details the components and estimated average costs of a typical set of 30" diameter launcher and receiver assemblies. Components showing cost ranges are due to unique project-specific piping requirements.

Description	Costs for 30" application
Launcher Trap	$100,000
Launcher Valve	$85,000
Launch piping (Tie-in connection)	$85,000 - $100,000
Kicker piping	$25,000 - $30,000
Kicker valves	Included in trap costs
Misc instrument valves/piping	Included in trap costs
Receiver Trap	$100,000
Receiver Valve	$85,000
Receive piping (Tie-in connection)	$85,000 - $100,000
Dump piping	$25,000 - $30,000
Dump valves	Included in trap costs
Misc instrument valves/piping	Included in trap costs
Connector piping & Valves to filter/separator skid	$15,000 - $20,000

Please see depictions of these components on the schematic and photograph shown on the following page.

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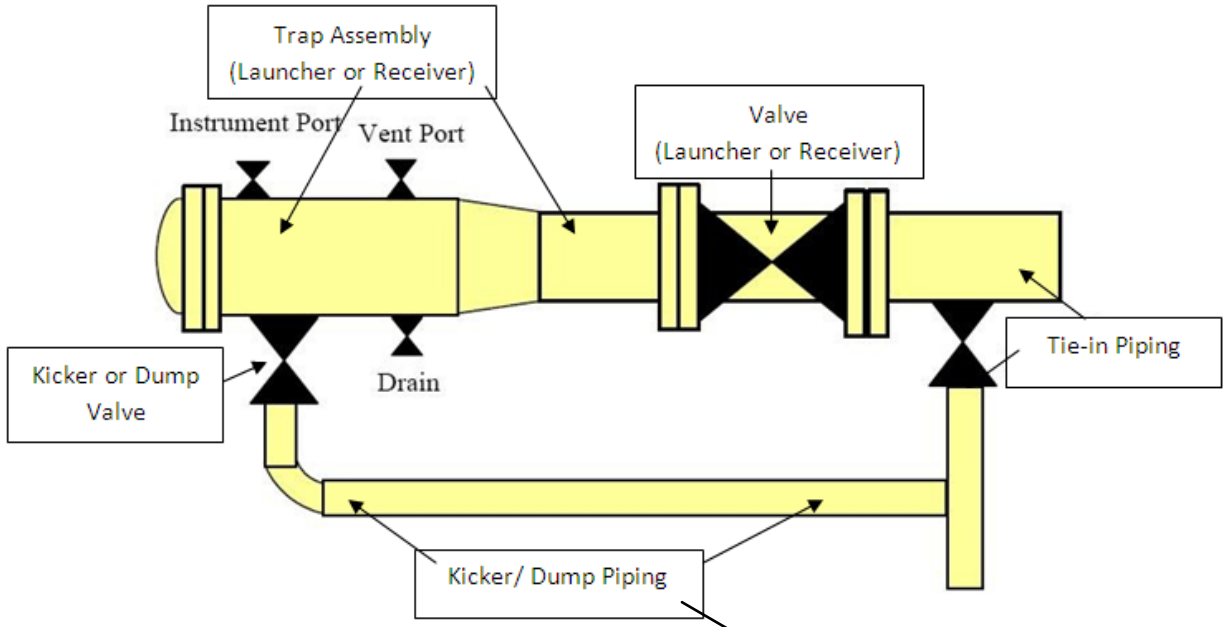
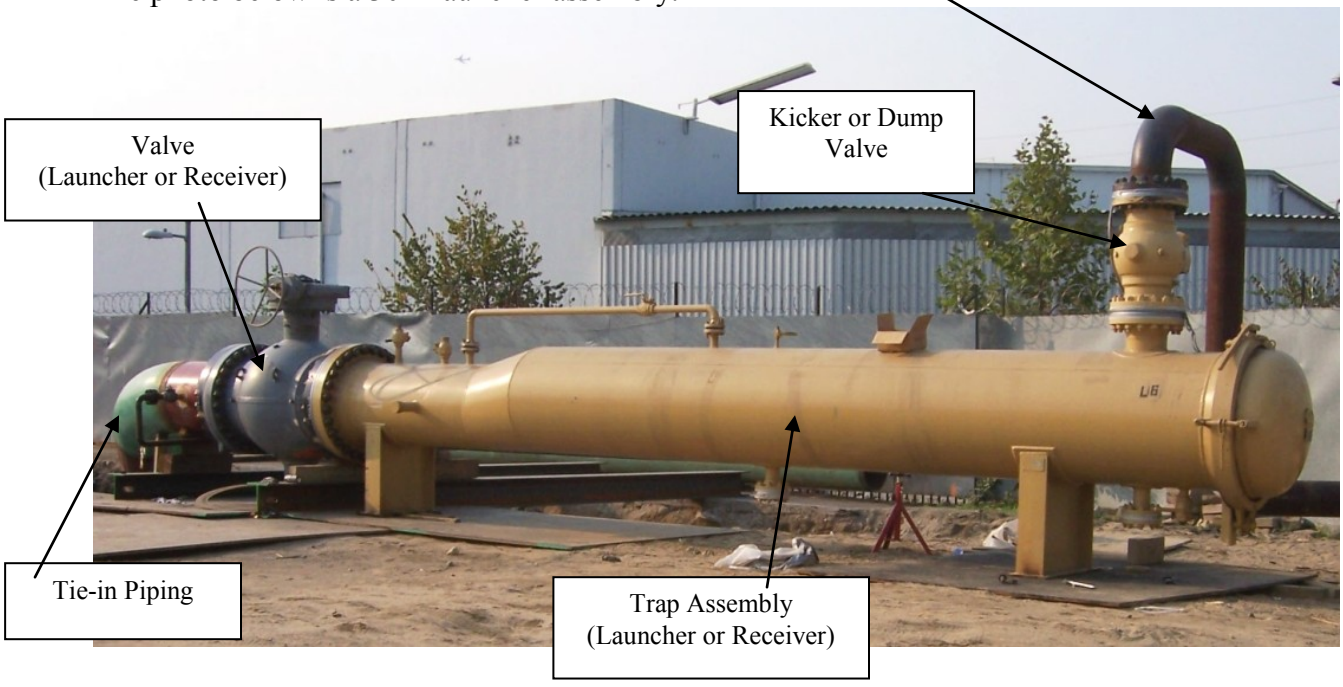
Response to Question 6 (Continued)

Below is a generic schematic demonstrating the various major components of a launcher or receiver assembly. This depiction can be generally applied to either a launcher or receiver assembly. There are fundamental differences and they are typically not used interchangeably.



The photo below is a 30" Launcher assembly.



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7. Are any of the launcher/receiver components reusable? And if they are, how many times?

SoCalGas Response:

For the temporary installations, all of the non-customized components of the launcher and receiver assemblies are reusable. These would include the Trap assemblies, and valves. Portions of the project specific, customized piping (tie-in, kicker, and dump piping) could be reused depending on the piping configuration requirements of future projects. Materials such as gaskets, seals, and o-rings may not be reusable.

It would be difficult to estimate the number of times the reusable components could be reused. Presumably, as long as proper maintenance practices are performed, these materials could last for many years and be reused multiple times, potentially dozens to hundreds of times.