

**ORA DATA REQUEST**  
**ORA-SDG&E-086-MRL-Rev01**  
**SDG&E 2016 GRC – A.14-11-003**  
**SDG&E RESPONSE**  
**DATE RECEIVED: MARCH 9, 2015**  
**DATE RESPONDED: MARCH 24, 2015**

**Data Request No:** ORA-SDG&E-086-MRL-Rev01

**Exhibit Reference:** SDG&E-11 Electric Generation

**Subject:** Actual Capital Budget Documentation 2012 to Date

**Please provide the following:**

1. Complete copies of each and every Authorized Work Order chronologically by Facility/Energy Center.

**SDG&E Response 01:**

The projects represented in the GRC are developed as a snapshot-in-time, and representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. With these conditions in mind, SDG&E responds to this question as follows:

See attached files for copies of Authorized Work Order forms for 2012 – 2014:

“2012-2014 WOA Forms BC\_000060.pdf”,  
“2012-2014 WOA Forms BC\_000080.pdf”,  
“2012-2014 WOA Forms BC\_000090.pdf”,  
“2012-2014 WOA Forms BC\_000100.pdf”,  
“2012-2014 WOA Forms BC\_000110.pdf”,  
“2012-2014 WOA Forms BC\_10032.pdf”,  
“2012-2014 WOA Forms BC\_10033.pdf”,  
“2012-2014 WOA Forms BC\_090310.pdf”, and

**The file referenced below should be protected as confidential and protected materials pursuant to PU Code Section 583 & General Order 66-C as well as the Protective Order and Non-Disclosure Agreement issued for this proceeding (note that this document will be provided following the review and approval of our third-party vendor General Electric).**

**INFORMATION REMOVED DUE TO CONFIDENTIALITY**

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**Response to Question 1 (Continued)**

See file “2015 WOA Forms.pdf” for copies of Authorized Work Order forms for new 2015 projects.

For reference:

- a. BC\_000060 = Tools & Test Equipment
- b. BC\_000080 = MEF Operational Enhancements
- c. BC\_000090 = PEC Operational Enhancements
- d. BC\_000100 = DSEC Operational Enhancements
- e. BC\_000110 = CPEP Operational Enhancements
- f. BC\_10032 = El Dorado Power Plant
- g. BC\_10033 = El Cajon Energy Facility
- h. BC\_090310 = Gas Turbine and Compressor Upgrade

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2. SAP Reports comparing Actual Spending to Planned/Budgeted by Authorized Work Order by Facility by year.

**SDG&E Response 02:**

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See attached files “ORA-SDG&E-086-MRL-REV01 Q2\_Q3” and

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3. SAP Reports showing totals spent by Authorized Work Order by Facility.

**SDG&E Response 03:**

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See attached files “ORA-SDG&E-086-MRL-REV01 Q2\_Q3” and

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4. Update/Status report for each capital project in SDG&E’s GRC showing.

**SDG&E Response 04:**

The projects represented in the GRC are developed as a snapshot-in-time, and representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. With these conditions in mind, SDG&E responds to this question as follows:

Update for each capital project in SDG&E’s GRC showing:

<b><u>2014 Requested Projects</u></b>	<b><u>Status</u></b>
MEF Mechanical Improvements	On-going
MEF Instrumentation Improvements	On-going
MEF Turbine Controls Upgrade	Completed
MEF Electrical Improvements	On-going
PEC Steam Turbine Upgraded N2 Packing	Complete
PEC Steam Turbine Condenser Water Box Coating	Rescheduled to 2016
PEC Revenue Meter Upgrade	Complete
PEC HP Bypass Quick Change Trip Upgrade	Complete
PEC LP Drum Level Control Valves LVDT’s	Complete
PEC Emerson Ovation HMI and Controller Upgrade	Complete
PEC HRH Desuperheater Upgrade	Complete
PEC Hot Reheat Drain Pot Drains to Condenser Upgrade	Rescheduled to 2015
PEC Combustion Turbine Inlet Air Filter Upgrade	Complete
PEC Remote Racking Devices	Complete
PEC Relocated Sample Panels to New Water Lab	Complete
PEC Mechanical Improvements	On-going
PEC Instrumentation Improvements	On-going
PEC Electrical Improvements	On-going
PEC Exhaust Frame Flex Seal Upgrade	Rescheduled to 2018
PEC Remote Emissions Monitoring Upgrade	Complete
PEC Site Security Improvements	Rescheduled to 2016

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**Response to Question 4 (Continued)**

DSEC Spare 250MVA GSU Transformer	In progress
DSEC Steam Turbine L-OR Blades	Complete
DSEC Upgrade Vibration Monitoring System	Complete
DSEC Ammonia Dilution Blower Upgrade	Complete
DSEC HP Start-up Vent Valves Upgrade	Complete
DSEC SCE Interconnection Upgrades	On-going
DSEC CT#2 Inlet Filter Media Upgrade	Complete
DSEC HRSG Penetration Seal Upgrade	Rescheduled to 2015
DSEC Desuperheater Upgrade	Complete
DSEC CT1 Air Inlet Personnel Access Improvements	Rescheduled to 2016
DSEC Mechanical Improvements	On-going
DSEC Instrumentation Improvements	On-going
DSEC Electrical Improvements	On-going
DSEC Valve Motor Operator Upgrade	On-going
CPEP Black Start Generator	In progress
CPEP Mechanical Improvements	On-going
CPEP Instrumentation Improvements	On-going
CPEP Electrical Improvements	On-going

**2015 Requested Projects**

**Status**

MEF Alternate Power Supply to ATS Project	Rescheduled to 2016
MEF Mechanical Improvements	On-going
MEF Instrumentation Improvements	On-going
MEF Electrical Improvements	On-going
PEC GSU Bushing Seismic Upgrade	In progress
PEC Desuperheater Isolation Valves and Controls	In progress
PEC Mechanical Improvements	On-going
PEC Instrumentation Improvements	On-going
PEC Electrical Improvements	On-going
PEC Chiller Triple Duty Valve Replacement	Rescheduled to 2018
PEC Inlet Guide Vane & Gas Control Valve Upgrade	Rescheduled to 2018
PEC Upgrade Programmable Logic Controllers	Scheduled for 2015
PEC Upgrade Chiller MKVIe to Ovation	Scheduled for 2015
DSEC Mechanical Improvements	On-going
DSEC Instrumentation Improvements	On-going
DSEC Electrical Improvements	On-going

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DSEC Valve Motor Operator Upgrade	On-going
DSEC SCE Interconnection Upgrades	On-going
DSEC IP & LP Start-Up Vent Valve Upgrade	Rescheduled to 2016
CPEP Mechanical Improvements	On-going
CPEP Instrumentation Improvements	On-going
CPEP Electrical Improvements	On-going
CPEP New Fuel Flow Metering	Rescheduled to 2016
CPEP Micronet Control System Upgrade to Ovation	Scheduled for 2015

See attached file “2015 WOA Forms” for new 2015 approved Work Order Authorization forms, and file “ORA-SDG&E-086-MRL-REV01 Q4” for actual spend for 2015.