

**California Public Utilities Commission
Year 2000 Program Assessment Checklist & Survey for Jurisdictional Companies¹**

Company Name: San Diego Gas & Electric
Address: 8330 Century Park Court, San Diego, CA 92123
Type of Utility: Gas & Electric
Utility No.: U 902-E, U 902-G, U 902-M

Name of individual with primary responsibility for addressing the Year 2000 problem in your company:
Jerry Deems

Title: Chief Information Technology Officer
Address: 101 Ash St. San Diego, CA 92101
Telephone No.: 619-696-4626
Fax No.: 619-696-9202
Email Address: Jdeems@Sempra.com

PLEASE DIRECT YOUR RESPONSES TO THE APPROPRIATE INDUSTRY DIVISION AT THE CPUC,
ATTENTION Y2K COORDINATOR

Preliminary Questions

If the company's ONLY computerized systems are related to billing or other administrative tasks, please check this box, STOP HERE and return this page.

Y If the company has computerized service delivery systems under its control, please complete the remainder of this survey. For the purposes of this question, include embedded systems necessary to delivery of the utility services you provide. If you do not know whether you have embedded systems necessary to delivery of the utility services you provide, please complete the remainder of this survey.

I certify that the responses provided to this survey are true and correct, and that I have the authority to represent the company on these issues.

By: _____
Title: _____
Company: _____

**California Public Utilities Commission
Year 2000 Program Assessment Checklist & Survey for Jurisdictional Companies²**

Company Name: Southern California Gas Company
Address: 555 W. Fifth Street, Los Angeles, CA 90013
Type of Utility: Gas
Utility No.: U 904-G

Name of individual with primary responsibility for addressing the Year 2000 problem in your company:

Jerry Deems

Title: Chief Information Technology Officer
Address: 101 Ash St. San Diego, CA 92101
Telephone No.: 619-696-4626
Fax No.: 619-696-9202
Email Address: Jdeems@Sempra.com

PLEASE DIRECT YOUR RESPONSES TO THE APPROPRIATE INDUSTRY DIVISION AT THE CPUC,
ATTENTION Y2K COORDINATOR

Preliminary Questions

If the company's ONLY computerized systems are related to billing or other administrative tasks, please check this box, STOP HERE and return this page.

Y If the company has computerized service delivery systems under its control, please complete the remainder of this survey. For the purposes of this question, include embedded systems necessary to delivery of the utility services you provide. If you do not know whether you have embedded systems necessary to delivery of the utility services you provide, please complete the remainder of this survey.

I certify that the responses provided to this survey are true and correct, and that I have the authority to represent the company on these issues.

By: _____

Title: _____

Company: _____

For each question below which requires a "yes" or "no" answer, please check the corresponding box if your answer is "yes". For questions which require an additional response, please provide your responses on separate sheets of paper.

I. AWARENESS

1. Has the company defined and documented the potential impact of the Year 2000 problem? Please provide a summary of these efforts to the CPUC.

SDG&E Response:

SDG&E has defined and documented what it believes to be the potential impacts upon SDG&E and its operations. The scope of our Year 2000 Program includes Mainframe & Non-Mainframe applications and technology, External Agents applications and technology, Transmission Systems, Telecommunications and embedded systems. More than 500 application systems have been inventoried and assessed, and over 200 mission critical systems -- those involved with delivering energy, with safety or with cash flow have been identified. Approximately 55 percent of our systems require changes. We are converting, replacing or upgrading all the applications and products that need changes. This includes mainframe and non-mainframe applications and technology, transmission/distribution systems and telecommunications.

With respect to SDG&E's ability to provide energy to its domestic utility customers, SDG&E believes that there may be potential impacts as follows: Small, localized interruptions of natural gas and electric services which are restored in a time frame that is within normal service levels. With respect to services that are essential to SDG&E's operations, such as customer service, business operations, supplies and emergency response capabilities, the scenario is for minor disruptions of essential services with rapid recovery and all essential information and processes ultimately recovered.

SoCalGas Response:

SoCalGas has defined and documented what it believes to be the potential impacts upon SoCalGas and its operations. The scope of our Year 2000 Program includes Mainframe & Non-Mainframe applications and technology, External Agents applications and technology, Transmission Systems, Telecommunications and embedded systems. More than 400 application systems have been inventoried and assessed, and over 50 mission critical systems -- those involved with delivering energy, with safety or with cash flow have been identified. Approximately 50 percent of our systems require changes. We are converting, replacing or upgrading all the applications and products that need changes. This includes mainframe and non-mainframe applications and technology, transmission/distribution systems and telecommunications.

With respect to SoCalGas's ability to provide energy to its domestic utility customers, SoCalGas believes that their may be potential impacts as follows: Small, localized interruptions of natural gas services which are restored in a time frame that is within normal service levels. With respect to services that are essential to SoCalGas's operations, such as customer service, business operations, supplies and emergency response capabilities, the scenario is for minor disruptions of essential services with rapid recovery and all essential information and processes ultimately recovered.

2. Has the company conducted a Year 2000 awareness campaign with respect to:

- Y Employees?
- Y Customers?
- Y Vendors?

Please summarize your efforts and provide the CPUC with copies of sample documentation relating to any such awareness campaign which could be helpful to an evaluation of your effort.

SDG&E Response:

SDG&E has reviewed the issues and potential impacts of Year 2000 problems with all major business area within the company. Additionally, a Year 2000 Intranet site has been developed that discusses the overall Year 2000 program and an external public Internet site exists at www.sdge.com/y2k. SDG&E also provides Year 2000 awareness information through internal publications to all its employees. The company provides a Year 2000 hotline phone number and provides written responses to customer requests for Year 2000 status or survey information. See Attachment 1 for sample documentation.

SoCalGas Response:

SoCalGas has presented the issues and potential impacts of Year 2000 problems to key business areas within the company. Additionally, a Year 2000 Intranet site has been developed that discusses the overall Year 2000 program and an external public Internet site exists at www.socalgas.com/y2k. SoCalGas also provides Year 2000 awareness information through internal publications to all its employees. The company provides a Year 2000 hotline phone number and provides written responses to customer requests for Year 2000 status or survey information. See Attachment 1 for sample documentation.

3. Has the company assessed the adequacy of its program management policies, capabilities, and practices, including configuration management, program and project management, and quality assurance?

SDG&E Response:

Yes, we have both internal and external audit review of the adequacy of its program management policies.

SoCalGas Response:

Yes, we have both internal and external audit review of the adequacy of its program management policies.

4. Has the company developed and documented a Year 2000 strategy? Please summarize your strategy.

SDG&E Response:

Yes, the Year 2000 project is a comprehensive plan to identify, prioritize, assess and resolve Year 2000 date problems across all applications, systems, and computer technologies throughout the organization. This includes both systems supported by the Information Technology Services organization and systems supported at the department level. Included in this plan are Year 2000 awareness and education programs; application and systems identification, inventory, and prioritization; Impact analysis; Remediation; System testing and Vendor compliance and tracking.

SoCalGas Response:

Yes, the Year 2000 project is a comprehensive plan to identify, prioritize, assess and resolve Year 2000 date problems across all applications, systems, and computer technologies throughout the organization. This includes both systems supported by the Information Technology Services organization and systems supported at the department level. Included in this plan are Year 2000 awareness and education programs; application and systems identification, inventory, and prioritization; Impact analysis; Remediation; System testing and Vendor compliance and tracking.

5. Is the Year 2000 strategy supported by executive management?

SDG&E Response:

Yes, this Program reports directly to the Chief Information Technology Officer with monthly updates to senior executives and periodic reporting to the audit committee of the board of directors.

SoCalGas Response:

Yes, this Program reports directly to the Chief Information Technology Officer with monthly updates to senior executives and periodic reporting to the audit committee of the board of directors.

6. Has the company established an executive management council or committee to guide the Year 2000 program?

SDG&E Response:

Yes, this Program reports directly to the Chief Information Technology Officer with monthly updates to senior executives and periodic reporting to the audit committee of the board of directors.

SoCalGas Response:

Yes, this Program reports directly to the Chief Information Technology Officer with monthly updates to senior executives and periodic reporting to the audit committee of the board of directors.

7. Has a program manager been appointed and a Year 2000 program office been established and staffed? Who is the manager and what is his/her title and level in the company? How many employees and contractors are dedicated to this effort?

SDG&E Response:

Yes, Stephen Malowney has been appointed with the title of Year 2000 Program Manager. The Year 2000 program consists of the Program Manager and approximately 25 full-time equivalent (FTE) employee's altogether for SDG&E. Dedicated business unit representatives are included in the Y2K Project Office staff. Technical resources from the computer applications departments are contributing over 15 full-time equivalent employees to the project. Additionally, over 40 Year 2000 coordinators represent key departments.

SoCalGas Response:

Yes, Stephen Malowney has been appointed with the title of Year 2000 Program Manager. The Year 2000 program consists of the Program Manager and approximately 50 full-time equivalent (FTE) employee's altogether for SoCalGas. Dedicated business unit representatives are included in the Y2K Project Office staff. Technical resources from the computer applications departments are contributing over 40 full-time equivalent employees to the project, and business experts comprise over 15 FTE's.

8. When did you begin your effort to become Year 2000 compliant and what is your estimated completion date for your compliance plan?

SDG&E Response:

Our efforts began in 1996. The company estimates that all critical systems will be Year 2000 ready by June 30, 1999, with continued readiness management through December 31, 1999.

SoCalGas Response:

Our efforts began in 1996. The company estimates that all critical systems will be Year 2000 ready by June 30, 1999, with continued readiness management through December 31, 1999.

9. Summarize the resources you anticipate will be necessary for your company to remedy your Year 2000 issues.

SDG&E Response:

The Year 2000 program consists of the Program Manager and approximately 25 full-time equivalent (FTE) employee's altogether for SDG&E. Dedicated business unit representatives are included in the Y2K Project Office staff. Technical resources from the computer applications departments are contributing over 15 full-time equivalent employees to the project. Additionally, over 40 Year 2000 coordinators represent key departments.

SoCalGas Response:

The Year 2000 program consists of the Program Manager and approximately 50 full-time equivalent (FTE) employee's altogether for SoCalGas. Dedicated business unit representatives are included in the Y2K Project Office staff. Technical resources from the computer applications departments are contributing over 40 full-time equivalent employees to the project, and business experts comprise over 15 FTE's.

10. Has the company identified technical and management points of contacts in core business areas?

SDG&E Response:

Major business areas within SDG&E have a Year 2000 representative and Year 2000 manager responsible for that area's applications, systems and Vendors compliance.

SoCalGas Response:

Key business areas within SoCalGas have a Year 2000 representative and Year 2000 manager responsible for that area's applications, systems and Vendors compliance.

11. Does your particular industry have an organization that is providing Y2K guidance and information? If so, please identify the organization.

SDG&E Response:

Yes, the following organizations are providing Y2K guidance and information: Electric Power Research Institute (EPRI); Western Systems Coordinating Council (WSCC) of the North American Electric Liability Council (NERC). SDG&E is a participant in the EPRI embedded systems program.

SoCalGas Response:

Yes, the following organizations are providing Y2K guidance and information: Electric Power Research Institute (EPRI). SoCalGas is a participant in the EPRI embedded systems program.

III. ASSESSMENT

1. Has the company defined Year 2000 compliance? Please provide your definition. Describe what tests or standards your company uses to determine "Y2K compliant" status.

SDG&E Response:

Yes, SDG&E has defined Year 2000 compliance and associated testing standards. (See Attachment 2)

SoCalGas Response:

Yes, SDG&E has defined Year 2000 compliance and associated testing standards. (See Attachment 2)

2. Has the company defined Year 2000 readiness? Please provide your definition. Describe what tests or standards your company uses to determine "Y2K ready" status.

SDG&E Response:

Yes, Year 2000 readiness is defined as suitable for continued use into the Year 2000 with no significant operational problems even though it is not fully compliant. The tests used for Year 2000 readiness are the same as tests for Year 2000 compliance.

SoCalGas Response:

Yes, Year 2000 readiness is defined as suitable for continued use into the Year 2000 with no significant operational problems even though it is not fully compliant. The tests used for Year 2000 readiness are the same as tests for Year 2000 compliance.

3. Do you (or does your parent company) have a Year 2000 Compliance statement? If so, please attach. If not, do you plan to have one in the future? When?

SDG&E Response:

Yes, (See Attachment 2)

SoCalGas Response:

Yes, (See Attachment 2)

4. What is the date at which you expect to be fully Year 2000 ready?

SDG&E Response:

The Company estimates that all critical systems will be Year 2000 ready by June 30, 1999 with readiness management continuing until December 31, 1999.

SoCalGas Response:

The Company estimates that all critical systems will be Year 2000 ready by June 30, 1999 with readiness management continuing until December 31, 1999.

5. What is the date at which you expect to be fully Year 2000 compliant?

SDG&E Response:

The Company estimates that all critical systems will be Year 2000 ready by June 30, 1999 with readiness management continuing until December 31, 1999.

SoCalGas Response:

The Company estimates that all critical systems will be Year 2000 ready by June 30, 1999 with readiness management continuing until December 31, 1999.

6. Has the company identified core business areas and processes?

SDG&E Response:

Yes. Departmental Year 2000 coordinators have been assigned in core business areas. (See Attachment # 7).

SoCalGas Response:

Yes. Departmental Year 2000 coordinators have been assigned in core business areas. (See Attachment # 7).

7. Has the company assessed the severity of potential impact of Year 2000-induced failures for core business areas and processes? Please describe such potential impacts and the respective severity of each.

SDG&E Response:

A Year 2000 contingency plan framework is in process and planned for completion by December 31, 1998 with the final contingency plan scheduled for June 30, 1999. The contingency plan will address potential impacts to core business areas and processes. At the current time, SDG&E believes the reasonably likely worst case Year 2000 scenario to have the following impacts upon SDG&E and its operations. With respect to SDG&E's ability to provide energy to its domestic utility customers, SDG&E believes that there may be potential impacts as follows: Small, localized interruptions of natural gas and electric services which are restored in a time frame that is within normal service levels. With respect to services that are essential to SDG&E's operations, such as customer service, business operations, supplies and emergency response capabilities, the scenario is for minor disruptions of essential services with rapid recovery and all essential information and processes ultimately recovered.

SoCalGas Response:

A Year 2000 contingency plan framework is in process and planned for completion by December 31, 1998 with the final contingency plan scheduled for June 30, 1999. The contingency plan will address potential impacts to core business areas and processes. At the current time, SoCalGas believes the reasonably likely worst case Year 2000 scenario to have the following impacts upon SoCalGas and its operations. With respect to SoCalGas's ability to provide energy to its domestic utility customers, SoCalGas believes that there may be potential impacts as follows: Small, localized interruptions of natural gas which are restored in a time frame that is within normal service levels. With respect to services that are essential to SoCalGas's operations, such as customer service, business operations, supplies and emergency response capabilities, the scenario is for minor disruptions of essential services with rapid recovery and all essential information and processes ultimately recovered.

8. Has the company conducted a comprehensive enterprise-wide inventory of its information systems?

The company has

SDG&E Response:

- Y system inventory listing components and interfaces for each system
Y comprehensive plan to identify and eliminate obsolete code

The company has

SoCalGas Response:

- system inventory listing components and interfaces for each system
- comprehensive plan to identify and eliminate obsolete code

9. Has the company developed a comprehensive list of automated systems?

The company's list identifies

SDG&E Response:

- links to core business areas or processes
- platforms, languages, and database management systems
- operating system software and utilities
- telecommunications
- internal and external interfaces
- owners
- the availability and adequacy of source code and associated documentation

The company's list identifies

SoCalGas Response:

- links to core business areas or processes
- platforms, languages, and database management systems
- operating system software and utilities
- telecommunications
- internal and external interfaces
- owners
- the availability and adequacy of source code and associated documentation

10. Has the company analyzed its automated systems and identified for each system?

SDG&E Response:

- non-repairable items (lack of source code or documentation)
- conversion or replacement resources required for each platform, application, database management system, archives utility, or interface

SoCalGas Response:

- non-repairable items (lack of source code or documentation)
- conversion or replacement resources required for each platform, application, database management system, archives utility, or interface

11. Has the company prioritized its system conversion and replacement program?

The company's prioritization process includes

SDG&E Response:

- service delivery systems prioritized ahead of billing and administrative systems
- ranking by business impact
- ranking by anticipated failure date
- identification of applications, databases, archives, and interfaces that cannot be converted because of resource and time constraints.

The company's prioritization process includes

SoCalGas Response:

- service delivery systems prioritized ahead of billing and administrative systems*
- ranking by business impact*
- ranking by anticipated failure date*
- identification of applications, databases, archives, and interfaces that cannot be converted because of resource and time constraints.*

12. Has the company established Year 2000 project teams for business areas and major systems?

SDG&E Response:

Yes, major business areas have a Year 2000 coordinator and Year 2000 manager responsible for their departments systems.

SoCalGas Response:

Yes, key business areas have a Year 2000 coordinator and Year 2000 manager responsible for their departments systems.

13. Has the company developed a Year 2000 program plan? If so, please provide the CPUC with a copy of the plan.

SDG&E Response:

Yes, the company has developed an overall program plan (See Attachment # 3 -Year 2000 Program Framework & Guidelines) that incorporates the items below with the exception of contingency plans. A Year 2000 contingency plan framework is planned for completion by December 31, 1998 with full development scheduled for June 30, 1999. In addition, detailed system schedules, system priorities and project team assignments reside in the program office in a central database.

The company's program plan includes

- schedules for all tasks and phases*
- master conversion and replacement schedule*
- assessment and selection of outsourcing options*
- assignment of conversion or replacement projects to project teams*
- risk assessment*
- contingency plans for all systems*

SoCalGas Response:

Yes, the company has developed an overall program plan (See Attachment # 3 -Year 2000 Program Framework & Guidelines) that incorporates the items below with the exception of contingency plans. A Year 2000 contingency plan framework is planned for completion by December 31, 1998 with full development scheduled for June 30, 1999. In addition, detailed system schedules, system priorities and project team assignments reside in the program office in a central database.

The company's program plan includes

- schedules for all tasks and phases*
- master conversion and replacement schedule*
- assessment and selection of outsourcing options*
- assignment of conversion or replacement projects to project teams*
- risk assessment*
- contingency plans for all systems*

14. Has the company identified and mobilized required resources and capabilities? Please describe.

SDG&E Response:

Yes, the Year 2000 program consists of the Program Manager and approximately 25 full-time equivalent (FTE) employee's altogether for SDG&E. Dedicated business unit representatives are included in the Y2K Project Office staff. Technical resources from the computer applications departments are contributing over 15 full-time equivalent employees to the project. Additionally, over 40 Year 2000 coordinators represent key departments.

SoCalGas Response:

Yes, the Year 2000 program consists of the Program Manager and approximately 50 full-time equivalent (FTE) employee's altogether for SoCalGas. Dedicated business unit representatives are included in the Y2K Project Office staff. Technical resources from the computer applications departments are contributing over 40 full-time equivalent employees to the project, and business experts comprise over 15 FTE's.

15. Has the company developed validation strategies and testing plans for all converted or replaced systems and their components?

SDG&E Response:

Yes

SoCalGas Response:

Yes

16. Has the company analyzed and identified requirements for a Year 2000 test facility?

SDG&E Response:

Yes

SoCalGas Response:

Yes

17. Has the company identified and acquired Year 2000 tools?

SDG&E Response:

Yes

SoCalGas Response:

Yes

18. Has the company considered implementation scheduling issues?

SDG&E Response:

Yes

The company's program plan addresses

where conversion will take place (data center or off-site location)

- time needed to place converted systems into production*
 conversion of backup or archived data

SoCalGas Response:

Yes

The company's program plan addresses

- where conversion will take place (data center or off-site location)*
 time needed to place converted systems into production
 conversion of backup or archived data

19. In priority order identify the top twenty hardware and the top twenty software systems for whose operation your company is responsible that directly and immediately support the utility services you offer.

SDG&E Response:

(See Attachment # 4 – Year 2000 Status of the Top Twenty Hardware and Top Twenty Software Systems)

SoCalGas Response:

(See Attachment # 4 – Year 2000 Status of the Top Twenty Hardware and Top Twenty Software Systems)

20. For each of the systems identified in response to the prior question, provide your company's assessment of its Year 2000 compliance, identify components of the systems that are internally produced and those that are not internally produced.

SDG&E Response:

(See Attachment # 4 – Year 2000 Status of the Top Twenty Hardware and Top Twenty Software Systems)

SoCalGas Response:

(See Attachment # 4 – Year 2000 Status of the Top Twenty Hardware and Top Twenty Software Systems)

21. For each of the systems identified in response to the prior question that are not assessed as Year 2000 compliant, set forth your schedule for (a) initiating remediation or replacement; (b) unit testing of compliance; (c) internal system integration testing for compliance; and (d) where appropriate, testing with interconnecting utilities. Explain the transactions that will be used in conducting those tests. Identify any systems which you intend to make Year 2000 ready but do not intend to make Year 2000 compliant, and explain why. Of these systems, identify the systems which are currently year 2000 ready, and set forth your schedule for making the remaining systems year 2000 ready.

SDG&E Response:

SDG&E's goal is to achieve Year 2000 Readiness for all critical systems.
(See Attachment # 4 – Year 2000 Status of the Top Twenty Hardware and Top Twenty Software Systems)

SoCalGas Response:

SoCalGas's goal is to achieve Year 2000 Readiness for all critical systems.
(See Attachment # 4 – Year 2000 Status of the Top Twenty Hardware and Top Twenty Software Systems)

22. For each of the systems identified in response to the prior question that are not assessed as Year 2000 compliant or Year 2000 ready, set forth your schedule for (a) developing contingency plans in case remediation plans are delayed or fail, including failure just before or after the change in date to the year 2000, and including the leap year date of February 29, 2000; and (b) testing of those contingency plans.

SDG&E Response:

A Year 2000 contingency plan framework is in process and planned for completion by December 31, 1998 with full development scheduled for June 30, 1999.

SoCalGas Response:

A Year 2000 contingency plan framework is in process and planned for completion by December 31, 1998 with full development scheduled for June 30, 1999.

23. Has the company addressed interface and data exchange issues?

The company has

SDG&E Response:

- analyzed dependencies on data provided by other organizations*
 contacted all entities with whom it exchanges data
 identified the need for data bridges or filters
 made contingency plans if no data are received from external sources
 made plans to determine that incoming data are valid
 developed contingency plans to handle invalid data

Contingency plans addressing interface and data exchange issues are currently in development and will be completed by June 30, 1999.

The company has

SoCalGas Response:

- analyzed dependencies on data provided by other organizations*
 contacted all entities with whom it exchanges data
 identified the need for data bridges or filters
 made contingency plans if no data are received from external sources
 made plans to determine that incoming data are valid
 developed contingency plans to handle invalid data

Contingency plans addressing interface and data exchange issues are currently in development and will be completed by June 30, 1999.

24. In assessing potential Y2K problems, which of the following best describes the anticipated impact for your utility operations? (check one) please add additional information where appropriate:

SDG&E Response:

- We will identify and correct all Y2K problems before Jan. 1, 2000.
 We will be 100% compliant and/or ready sometime after Jan. 1, 2000 with no significant disruptions to service or billing.
 We will be 100% compliant and/or ready sometime after Jan. 1, 2000 with some significant disruptions to service or billing.

- We will be 100% compliant and/or ready sometime after Jan. 1, 2000 but our assessment is not accurate enough to identify all problems that may significantly affect service or billing.
- We are not following a compliance plan that calls for prior assessment of potential Y2K problems.

SoCalGas Response:

- We will identify and correct all Y2K problems before Jan. 1, 2000.
- We will be 100% compliant and/or ready sometime after Jan. 1, 2000 with no significant disruptions to service or billing.
- We will be 100% compliant and/or ready sometime after Jan. 1, 2000 with some significant disruptions to service or billing.
- We will be 100% compliant and/or ready sometime after Jan. 1, 2000 but our assessment is not accurate enough to identify all problems that may significantly affect service or billing.
- We are not following a compliance plan that calls for prior assessment of potential Y2K problems.

25. What is your plan for monitoring for potential problems after January 1, 2000?

SDG&E Response:

A Year 2000 contingency plan framework is in process and planned for completion by December 31, 1998. This plan will incorporate monitoring for potential problems after January 1, 2000, including the deployment of a critical reaction team.

SoCalGas Response:

A Year 2000 contingency plan framework is in process and planned for completion by December 31, 1998. This plan will incorporate monitoring for potential problems after January 1, 2000, including the deployment of a critical reaction team.

26. Has the company initiated the development of contingency plans for critical systems? Please provide a copy of your contingency plan.

SDG&E Responses:

Yes, the contingency plan will incorporate plans for critical systems.

SoCalGas Response:

Yes, the contingency plan will incorporate plans for critical systems.

27. Does the impact assessment document identify Year 2000 vulnerable systems and processes outside the traditional information resource management area that may affect the company's operations? Please provide the CPUC with documentation of such identified impacts.

SDG&E Response:

Yes, the contingency plan will incorporate critical systems outside the traditional information resource management area.

The assessment document addresses the impact of potential Year 2000 induced failure of

- telecommunication systems, including telephone and data networks switching equipment
- building infrastructure

SoCalGas Response:

Yes, the contingency plan will incorporate critical systems outside the traditional information resource management area.

The assessment document addresses the impact of potential Year 2000 induced failure of

- telecommunication systems, including telephone and data networks switching equipment*
- building infrastructure*

IV. RENOVATION

1. Is the company meeting its budget and schedule in the conversion of targeted applications, platforms, databases, archives, or interfaces?

SDG&E Response:

Yes

SoCalGas Response:

Yes

2. Is the company meeting its budget and schedule in developing bridges and filters to handle non-conforming data?

SDG&E Response:

Yes

SoCalGas Response:

Yes

3. Is the company meeting its budget and schedule in the replacement of targeted applications and system components?

SDG&E Response:

Yes

SoCalGas Response:

Yes

4. Is the company documenting all code and system modifications and using configuration management to control changes?

SDG&E Response:

Yes

SoCalGas Response:

Yes

5. Is the company scheduling unit, integration, and systems tests?

SDG&E Response:

Yes

SoCalGas Response:

Yes

6. Is the company meeting its budget and schedule in eliminating targeted applications and system components?

SDG&E Response:

Yes

SoCalGas Response:

Yes

7. Is the company communicating the changes to its information systems to all internal and external users?

SDG&E Response:

Yes

SoCalGas Response:

Yes

8. Is the company tracking the conversion and replacement process and collecting and using project metrics to manage the conversion and replacement process?

SDG&E Response:

Yes

SoCalGas Response:

Yes

9. Is the company sharing information among Year 2000 projects?

The company is disseminating

SDG&E Response:

- Y "lessons learned"
Y best practices

The company is disseminating

SoCalGas Response:

- Y "lessons learned"
Y best practices

10. What actions remain to be taken for your computer hardware to be fully Year 2000 compliant?

SDG&E Response:

We are executing current project plan schedules for assessment, testing and remediation. All critical computer hardware determined not to be compliant, will be replaced or upgraded by June 30, 1999 with non critical computer equipment being replaced or upgraded by December 31, 1999.

SoCalGas Response:

Complete current project plan schedules for assessment, testing and remediation. All critical computer hardware determined not to be compliant, will be replaced or upgraded by June 30, 1999 with non critical computer equipment being replaced or upgraded by December 31, 1999.

11. What actions remain to be taken in order for your infrastructure to be fully Year 2000 compliant?

SDG&E Response:

We will be upgrading or replacing critical infrastructure components based upon our current project schedule which calls for completion by June 30, 1999 with non critical infrastructure being replaced or upgraded by December 31, 1999.

SoCalGas Response:

We will be upgrading or replacing critical infrastructure components based upon our current project schedule which calls for completion by June 30, 1999 with non critical infrastructure being replaced or upgraded by December 31, 1999.

12. What actions have you taken to identify and test embedded chips within your infrastructure?

SDG&E Response:

A manager and project team have been assigned specifically to address: inventory, assessment, testing and remediation of embedded systems.

SoCalGas Response:

A manager and project team have been assigned specifically to address: inventory, assessment, testing and remediation of embedded systems.

13. What specific embedded chip Year 2000 problems have you found and in what way could they affect the services you provide?

SDG&E Response:

Embedded systems in all key areas are currently being inventoried, assessed and tested for their impact on critical business functions. SDG&E will be replacing firmware chips on the Bailey Distributed Control System which provides automated distributed control over generating units and were found not to be Year 2000 Ready.

SoCalGas Response:

Embedded systems in all key areas are currently being inventoried, assessed and tested for their impact on critical business functions. Currently we are replacing components of our automated meter reading system which were found not to be Year 2000 ready.

V. **VALIDATION**

1. Has the company developed and documented test and validation plans for each converted or replaced application or system component?

SDG&E Response:

Yes, where possible.

SoCalGas Response:

Yes, where possible.

2. Has the company developed and documented a strategy for testing contractor-converted or replaced applications or system components?

SDG&E Response:

Yes, where possible.

SoCalGas Response:

Yes, where possible.

3. Has the company implemented a Year 2000 test facility?

SDG&E Response:

Yes.

SoCalGas Response:

Yes.

4. Has the company implemented automated test tools and scripts?

SDG&E Response:

Yes, where possible.

SoCalGas Response:

Yes, where possible.

5. Has the company performed unit, integration, and system tests on each converted or replaced component?

SDG&E Response:

Yes, where appropriate.

The company's testing procedures include the following types of tests

- Y* regression
- N* performance
- N* stress
- Y* forward and backward time

SoCalGas Response:

Yes, where appropriate.

The company's testing procedures include the following types of tests

- Y *regression*
- N *performance*
- N *stress*
- Y *forward and backward time*

6. Is the company tracking the testing and validation process and collecting and using test metrics to manage the testing activities?

SDG&E Response:

Yes

SoCalGas Response:

Yes

7. Has the company initiated acceptance tests?

SDG&E Response:

Yes, where appropriate.

SoCalGas Response:

Yes, where appropriate.

V. **IMPLEMENTATION**

1. Has the company defined its transition environment and procedures?

SDG&E Response:

Yes, where appropriate.

SoCalGas Response:

Yes, where appropriate.

2. Has the company developed and documented a schedule for the implementation of all converted or replaced applications and system components?

SDG&E Response:

Yes

SoCalGas Response:

Yes

3. Has the company resolved data exchange issues and intercompany concerns? Has the company dealt with database and archive conversions?

SDG&E Response:

Yes, this process is in place and anticipated to be completed for critical systems by June 30, 1999 with continuing readiness management through December 31, 1999. We have no current requirements for database or archive conversions.

SoCalGas Response:

Yes, this process is in place and anticipated to be completed for critical systems by June 30, 1999 with continuing readiness management through December 31, 1999. We have no current requirements for database or archive conversions.

4. Has the company completed acceptance testing?

SDG&E Response:

No

SoCalGas Response:

No

5. Has the company implemented contingency plans?

SDG&E Response:

No. A Year 2000 contingency plan framework is planned for completion by December 31, 1998 with full development scheduled for June 30, 1999.

SoCalGas Response:

No. A Year 2000 contingency plan framework is planned for completion by December 31, 1998 with full development scheduled for June 30, 1999.

6. Has the company updated or developed disaster recovery plans?

SDG&E Response:

Disaster recovery plans are being reviewed and where appropriate, will be modified or incorporated into the Year 2000 contingency plan.

SoCalGas Response:

Disaster recovery plans are being reviewed and where appropriate, will be modified or incorporated into the Year 2000 contingency plan.

7. Has the company reintegrated the converted and replaced systems and related databases into the production environment?

SDG&E Response:

Yes, applications are reintegrated into the production environment as they complete their Year 2000 readiness process.

SoCalGas Response:

Yes, applications are reintegrated into the production environment as they complete their Year 2000 readiness process.

VII. PROGRAM AND PROJECT MANAGEMENT

1. Has the company established a Year 2000 program management structure?

SDG&E Response:

Yes

The company has

- appointed a Year 2000 program manager and established a Year 2000 program team*
- identified technical and management representatives from each core business area*

SoCalGas Response:

Yes

The company has

- appointed a Year 2000 program manager and established a Year 2000 program team*
- identified technical and management representatives from each core business area*

2. Based on the assessment of its program management capabilities, has the company developed and implemented policies, guidelines, and procedures to manage a major program?

SDG&E Response:

Yes

The company's policies, guidelines, and procedures include

- configuration management*
- quality assurance*
- risk management*
- project scheduling and tracking*
- metrics*
- budgeting*

SoCalGas Response:

Yes

The company's policies, guidelines, and procedures include

- configuration management*
- quality assurance*
- risk management*
- project scheduling and tracking*
- metrics*
- budgeting*

3. Is the company monitoring the Year 2000 program to ensure that projects are following required policies and procedures for configuration management, project scheduling and tracking, and metrics?

SDG&E Response:

Yes

SoCalGas Response:

Yes

4. Have you addressed Y2K compliance and/or readiness with external suppliers, contractors, and other business partners or vendors?

SDG&E Response:

Yes, the Company has contacted key suppliers, contractors and business partners regarding Year 2000 status for their applicable hardware, software or services.

SoCalGas Response:

Yes, the Company has contacted key suppliers, contractors and business partners regarding Year 2000 status for their applicable hardware, software or services.

5. Have you determined if your suppliers and vendors are Year 2000 compliant and/or year 2000 ready? If no, why not? If yes, and your suppliers and vendors are not Year 2000 compliant, what negative impact can this have on your provision of utility service?

SDG&E Response:

Yes, this is an ongoing process. When non-compliance of critical suppliers is determined, a replacement or workaround process is developed for that particular product or service to minimize the impact on utility services

SoCalGas Response:

Yes, this is an ongoing process. When non-compliance of critical suppliers is determined, a replacement or workaround process is developed for that particular product or service to minimize the e impact on utility services

6. What facilities and equipment have vendors certified as Year 2000 compliant?

SDG&E Response:

Responses from Vendors have indicated varying degrees of Year 2000 compliance and readiness. When a critical Vendor's response is in question, the Company's process includes additional communications with that Vendors to understand any potential risk to the Company's ability to deliver services to the Customer.

SoCalGas Response:

Responses from Vendors have indicated varying degrees of Year 2000 compliance and readiness. When a critical Vendor's response is in question, the Company's process includes additional communications with that Vendors to understand any potential risk to the Company's ability to deliver services to the Customer.

7. What facilities and equipment have vendors certified as Year 2000 ready?

SDG&E Response:

Responses from Vendors have indicated varying degrees of Year 2000 compliance and readiness. When a critical Vendor's response is in question, the Company's process includes additional communications with that Vendors to understand any potential risk to the Company's ability to deliver services to the Customer.

SoCalGas Response:

Responses from Vendors have indicated varying degrees of Year 2000 compliance and readiness. When a critical Vendor's response is in question, the Company's process includes additional communications with that Vendors to understand any potential risk to the Company's ability to deliver services to the Customer.