1. **Program Name:** Portfolio of the Future (PoF)
   **Program ID:** SCG3769
   **Program Type:** Third-Party Program

2. **Projected Program Budget Table**

   **Table 1: Total Projected Program Budget by Category**

<table>
<thead>
<tr>
<th>Program #</th>
<th>Main/Sub Program Name</th>
<th>Administrative Amount</th>
<th>Marketing Amount</th>
<th>Direct Implementation Amount</th>
<th>Incentive Amount</th>
<th>Total Program Budget Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>3769</td>
<td>3P-PoF</td>
<td>$0</td>
<td>$0</td>
<td>$1,000,000</td>
<td>$0</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>3769u</td>
<td>3P-PoF (Utility)</td>
<td>$37,375</td>
<td>$5,746</td>
<td>$55,947</td>
<td>$0</td>
<td>$99,068</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>$37,375</td>
<td>$5,746</td>
<td>$1,055,947</td>
<td>$0</td>
<td>$1,099,068</td>
</tr>
</tbody>
</table>

   Note: SCG continues to negotiate the final contract with the third party vendor. As a result of final contract negotiations, the budget allocation into the budget subcategories may vary.

3. **Projected Program Gross Impacts Table**

   **Table 2: Total Projected Program Savings by Subprogram**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3769</td>
<td>3P-PoF</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

   Note: This is a non-resource program.

4. **Program Description**

   **a) Describe program**
   
The Portfolio of the Future (PoF) is designed to leverage and enhance Southern California Gas Company’s (SoCalGas) Emerging Technology (ET) efforts by identifying and accelerating the market adoption of emerging technologies (newly commercialized technologies and under-utilized technologies) that can significantly improve end-use energy efficiency in Southern California. It will do so by:
   
   - Helping to validate the technology, demonstrate the benefits, build the necessary market infrastructure, and promote and encourage early adoption by concurrently providing assistance, defining the value proposition, and addressing market barriers,
   
   - Building awareness regarding the benefits from the emerging technologies and setting the stage for including some of the emerging technologies in the next cycle of energy efficiency programs; and
   
   - Leveraging SoCalGas resources and those of other utilities (including municipal utilities, water utilities, Southern California Edison (SCE), San Diego Gas and Electric (SDG&E) and Pacific Gas and Electric Co. (PG&E)), NCI, potential R&D partners (including the U.S. Department of Energy, CEC PIER,
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NYSERDA), private equity, and venture capital funds), the utilities’ customers, other state and federal agencies, and local governments.

The Portfolio of the Future (PoF) program seeks to achieve market transformation through accelerated adoption of high potential energy efficiency technologies that are not yet in SoCalGas’s energy efficiency portfolio.

Emerging energy efficient technologies face a long path and multiple hurdles to achieve commercialization. The energy services market is particularly fragmented and dependent upon multiple actors to develop and sustain a viable market. Many energy efficiency technologies represent niche markets and, as a result, building owners and specifiers are notoriously conservative in specifying new technologies. Therefore, a network of installers and maintenance firms is required before widespread commercial adoption will occur. The Portfolio of the Future program identifies and evaluates promising technologies. For the selected technologies, the PoF sponsors pilot tests to provide credible benefits specifiers; develops market data to facilitate investment and market entry; works with firms to establish a California market presence; facilitates partnerships (e.g. other utilities, other government agencies, distributors, etc.); assists utility programs managers to incorporate these technologies into their programs; and assists in building market awareness.

b) **List measures**
This is not applicable. PoF is a non-resource program that focuses on accelerating market acceptance and adoption of high potential emerging natural gas efficiency technologies. Candidate technologies are identified during the course of the program through technology scans and stakeholder input.

c) **List non-incentive customer services**
Some aspects of the PoF program may entail helping SoCalGas customers select, install, test, demonstrate and evaluate the potential energy savings, operational costs and impacts, air emissions, and other impacts attributed to adoption of new technologies. Other aspects of the program involve developing and implementing pilot projects and market research with SoCalGas customers. Educational materials may also be prepared and targeted customers trained on the costs and benefits of technologies selected for inclusion in SoCalGas’s 2013-2014 energy efficiency portfolio. While these activities are being conducted to gain information about technologies, SoCalGas customers may also benefit and deem aspects of participation in PoF’s activities as a beneficial service.

5. **Program Rationale and Expected Outcome**

a) **Quantitative Baseline and Market Transformation Information**
This section is not applicable

b) **Market Transformation Information**
The Emerging Technologies program has an emphasis to identify and facilitate commercialization and adoption of technologies that support long term market
transformation objectives as directed by the long term energy efficiency strategic plan and CPUC directives.

c) **Program Design to Overcome Barriers**

The following table provides descriptions of the barriers that Program seeks to address and the solutions the Program proposes to overcome the barrier.

<table>
<thead>
<tr>
<th>Barrier</th>
<th>Solution</th>
</tr>
</thead>
</table>
| Barriers to the entry of new energy efficiency technologies or systems whose efficiency or system performance levels are uncertain due to lack of experience | • Identifying and promoting the most significant opportunities, including supporting a portfolio with a balance of near-, short-, mid- and long-term opportunities;  
• Providing local demonstrations to document and establish the credibility of the energy savings and environmental benefits of the technology. |
| The energy services market is fragmented and depends upon multiple actors to develop and sustain a viable market. | For the selected technologies, the PoF sponsors pilot tests to provide credible benefits; develops market data to facilitate investment and market entry; works with firms to establish a California market presence; facilitates partnerships (e.g. other utilities, other government agencies, distributors, etc.); assists utility programs managers to incorporate these technologies into their programs, and assists in building market awareness. |

d) **Quantitative Program Targets**

The program has a set of targets related to identifying and accelerating adoption of emerging technologies that can significantly improve end-use natural gas efficiency in SoCalGas’s service territory. Building on the technology database developed through the initial portfolio screen since the 2010-2012 energy efficiency program cycle, the table below shows the targets for–2013 - 2014.

<table>
<thead>
<tr>
<th>Table 3</th>
<th>Portfolio of the Future</th>
<th>Program Target by 2013</th>
<th>Program Target by 2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target #1: Additional high potential technologies identified</td>
<td></td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Target #2: Additional high potential technologies selected for development</td>
<td></td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Target #3: Pilot projects conducted</td>
<td></td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Target #4: Market research, studies &amp; assessments conducted</td>
<td></td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Target #5: Program readiness packages or market transformations strategies prepared for technologies selected for inclusion in SoCalGas’s portfolio</td>
<td></td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Target #6: Partners engaged</td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Target #7: Early adopters recruited</td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

e) **Advancing Strategic Plan Goals and Objectives**
This program supports the Strategic Plan in several ways:

- By promoting emerging technologies, this program encourages adoption of leading edge technologies
- Assists in the technology specific assessment of new and emerging technologies
- Implements activities that create favorable conditions for EE technology investments
- PoF supports the following EE Strategic Plan’s Research and Technology goals.
<table>
<thead>
<tr>
<th>Description</th>
<th>Strategic Plan Sector</th>
<th>Strategic Plan Goal</th>
<th>Strategic Plan Strategy</th>
</tr>
</thead>
<tbody>
<tr>
<td>PoF’s scope includes advancing technological innovation and promoting commercialization of promising residential energy efficiency technologies.</td>
<td>Residential</td>
<td>Transform home improvement markets to apply whole-house energy solutions to existing homes.</td>
<td>2-3: Manage research into new/advanced cost effective innovations to reduce energy use in existing homes</td>
</tr>
<tr>
<td>Program aims to transform markets through commercialization and adoption of new technologies.</td>
<td>Residential</td>
<td>Develop comprehensive, innovative initiatives to reverse the growth of plug load energy consumption through technological and behavioral solutions.</td>
<td>3-2 In coordination with Strategy 2-2 above¹, develop public awareness of and demand for highly efficient products.</td>
</tr>
<tr>
<td>Program employs a variety of tools and techniques that start with scans of technology opportunities that are then characterized and ranked to identify those with high potential near term net benefits.</td>
<td>Research and Technology</td>
<td>Create demand pull and set the research agenda to pursue both incremental and game changing energy efficiency technology innovations.</td>
<td>1-1: Apply systems approaches to establishing research priorities</td>
</tr>
<tr>
<td>Program involves partnering with a wide variety of public and private entities to leverage complementary efforts. Targeted partners include but are not limited to: CEC PIER, DOE and the National Labs, NYSERDA and other state RD&amp;D organizations, industry associations and their RD&amp;D affiliates, technology developers, equipment manufacturers and distributors.</td>
<td>Research and Technology</td>
<td>Create demand pull and set the research agenda to pursue both incremental and game changing energy efficiency technology innovations.</td>
<td>1-2: Leverage private industry and Federally funded technology research and investment</td>
</tr>
<tr>
<td>Program conducts market research, assessments and pilot demonstration projects of high potential new technologies that are selected through a structured process of screening and ranking to fill gaps in California utilities’ portfolios of emerging technologies.</td>
<td>Research and Technology</td>
<td>Create demand pull and set the research agenda to pursue both incremental and game changing energy efficiency technology innovations.</td>
<td>1-3: Enhance market intelligence and behavioral research activities related to energy efficient technologies.</td>
</tr>
<tr>
<td>Helps facilitate through active participation in PIER and ET efforts stakeholder</td>
<td>Research and Technology</td>
<td>Conduct targeted emerging technologies R&amp;D to support the Big.</td>
<td>2-3: Develop initiatives aimed at PIER to support larger gains in support of</td>
</tr>
</tbody>
</table>

¹ Strategy 2-2 is *Promote effective decision-making to create widespread demand for energy efficiency measures.*
In October 2007, the CPUC recognized that California’s very ambitious efficiency and greenhouse gas reduction goals require long-term strategic planning to eliminate persistent market barriers and effect lasting transformation in the market for energy efficiency across the economy. Accordingly, the Commission developed the Long Term Energy Efficiency Strategic Plan (Strategic Plan) to guide California’s energy efficiency efforts through 2020 and beyond.

The Strategic Plan lists emerging technologies as one of the five policy tools employed to “push” or “pull” more efficient products or practices to the market. The market transformation strategies covered in the plan are built around these five policy tools. Moreover, the Strategic Plan was structured around four vertical market sectors and seven cross-cutting areas. Research and technology is one of the seven cross-cutting areas.

6. Program Implementation

   a) Statewide IOU Coordination

      i. Program Name
      ii. Program Delivery Mechanisms
      iii. Incentive Levels
      iv. Marketing and outreach plans
      v. IOU program interactions
      vi. Similar IOU and POU programs

The primary point of coordination with statewide IOU efforts is the respective Emerging Technologies programs of the other IOUs (SDG&E, SCE and PG&E), both individually and through the Emerging Technologies Coordination Council (ETCC). The PoF program is structured specifically to address gaps in SoCalGas’s gas efficiency portfolio and complement SoCalGas’s and other IOUs’ emerging technologies efforts.

PoF is a non-resource program and, therefore, no incentives are paid under this program for energy savings, although pilot participants may be compensated to offset their costs of participating in pilot demonstration and research projects. Depending on the nature of the pilot or market research activities, other IOUs may be requested to share in the costs.

The Program coordinates with other RD&D agencies including the national laboratories, the U.S. EPA and DOE, and other state energy RD&D agencies. In addition, PoF coordinates with the California ARB and regional air quality management districts in the conduct of its pilot demonstration projects, and also with respect to evaluating the air...
emissions impacts of evaluated technologies. Further, PoF coordinates with local permitting agencies and governmental authorities in structuring and conducting its pilot projects.

The PoF is structured to complement SoCalGas’s emerging technologies activities, and those of other IOUs and the ETCC. California POUss typically do not have specific emerging technologies programs but do present an opportunity for collaboration. For example, discussions are in progress with respect to a potential partnership with the City of Riverside’s utilities division, Riverside Public Utilities (RPU), that provides electric, water and wastewater utilities services. RPU is very interested in helping PoF secure pilot participants within its service area.

b) Program Delivery and Coordination

i. Emerging Technologies
PoF is designed specifically to complement California’s existing emerging technologies programs and activities.

The Program’s scope includes identifying key barriers to adoption of new technologies. During the process of conducting pilot projects and market assessments, PoF will identify any potential conflicts with codes and standards, and will document the potential benefits of new technologies affected so that the appropriate regulatory bodies can review the codes and standards and determine whether changes should be made.

ii. Codes and Standards
This is not applicable to this program.

iii. WE&T (Workforce Education & Training)
Similarly, lack of a trained workforce to perform installations, operations and repair services can be a significant barrier to technology adoption. PoF considers and will document these types of barriers in its technology assessments, and suggest potential remedies.

iv. Program Specific Marketing & Outreach
PoF has several levels of marketing and outreach:

- Recruit participants in technology demonstration projects, market research, studies and assessments
- Share information about PoF technologies and activities, and learn about what other IOUs, POUss, energy research organizations, and other key stakeholders are doing that might be complementary
- Develop case study materials that document the costs, benefits and performance of technologies
- Upon successful demonstration, prepare select technologies for launch in SoCalGas’s portfolio with Program Readiness Packages that include mini-business plans and strategies for recruiting targeted adopters
Develop technical brochures to inform targeted adopters about selected new technologies and applicable SoCalGas programs and incentives.

The above PoF marketing and outreach activities will be performed in conjunction with SoCalGas, PG&E and the ETCC to assure:
- success in recruiting targeted participants;
- that PoF’s activities are coordinated and complementary to those of the IOUs, the ETCC and other key energy research stakeholders, and
- that information about high potential technologies being advanced through PoF is widely disseminated to targeted adopters throughout California.

In addition, PoF will leverage the extensive network of relationships and communications channels developed by its sister program, the California Sustainability Alliance (Alliance). Alliance participants include the Public Sustainability Partnership, the Public Technology Institute and Strategic Energy Innovations, three non-profit organizations that have a strong network of members and partners in California and throughout the U.S. that would be candidates for both participants in PoF pilots and market research studies, and could also be potential partners.

v. Non-Energy Activities of Program
The Program’s primary focus is on identifying and facilitating adoption of new gas efficiency technologies. However, some technologies also achieve ancillary non-energy benefits. For example, technologies that reduce gas consumption for water heating by reusing hot water have an additional benefit of saving water. In addition, many technologies can also reduce air emissions. Those that reduce potable water consumption reduce embedded energy that was used to produce and deliver that potable water, and also reduce the amount of energy needed to treat wastewater. Other technologies directed at improving gas efficiency, e.g., in combustion, may have the added benefit of reducing associated emissions. All such ancillary benefit streams are documented by PoF in the cost-benefit analysis of each technology being evaluated.

vi. Non-IOU Programs
As noted previously, one of the Program’s primary strategies is to identify and leverage complementary non-IOU resources, assets and activities being conducted by others through proactive partnering. Since the inception of the program in 2006-2008 program cycle, PoF partnered with various technology developers, manufacturers and distributors; energy and water utilities; and a wide variety of diverse stakeholders. PoF anticipates much broader partnering with other energy RD&D organizations and stakeholders, including CEC PIER and U.S.DOE; non-profit organizations such as the Public Technology Institute that brings new technologies to its members, local governments; POUs such as Riverside Public Utilities; and other energy, water and wastewater utilities.

vii. CEC work on PIER
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- Not applicable

viii. CEC work on codes & standards
This is not applicable to this program.

ix. Non-utility initiatives
The "Portfolio of the Future” initiative includes the following elements related to non-utility initiatives:
- Accelerate the commercialization of energy efficient technologies in support of the California Energy Efficiency Strategic Plan (CEESP) and Big/Bold Initiatives;
- Partner with a wide variety of stakeholders including other utilities, industry, EPRI, DDE, and CEC to leverage resources and maximize impact, and
- Develop a portfolio of pilot opportunities.

c) Best Practices
PoF was designed to embody the best practices in energy efficiency emerging technologies programs. Below is a listing of the best practices recommendations from the Best Practices database that were integrated into the POF program theory and design.²

<table>
<thead>
<tr>
<th>Cross Program Best Practice</th>
<th>Program Theory, Design, Management, Reporting, QC, and Process Design</th>
</tr>
</thead>
<tbody>
<tr>
<td>Develop a sound program plan; if possible have a clearly articulated program theory</td>
<td>The PoF program theory and design are described in this PIP</td>
</tr>
<tr>
<td>Link strategic approach to policy objectives and constraints</td>
<td>The PoF program is designed to help SoCalGas “fill-the-gap” needed to meet the Commission’s “stretch” energy savings goals</td>
</tr>
<tr>
<td>Build feedback loops into program design &amp; logic</td>
<td>Feedback is both internal from regular meetings and briefings with SoCalGas ET staff, and external from pilot project demonstration projects, market research, analytical studies and assessments, other RD&amp;D agencies and stakeholders, other IOUs and POUs, and other partners</td>
</tr>
<tr>
<td>Do not over-promise results</td>
<td>The nature of PoF is to enhance and assess before bringing recommendations to SoCalGas.</td>
</tr>
<tr>
<td>Understand local market conditions</td>
<td>PoF is designed to deepen SoCalGas’s understanding of the markets for applicable new technologies</td>
</tr>
<tr>
<td>Conduct sufficient market research</td>
<td>PoF’s process includes extensive market research, including pilot demonstrations, as needed</td>
</tr>
<tr>
<td>Maintain program design flexibility to respond to changes in market &amp; other factors</td>
<td>Program flexibility is built into the program design that responds to market opportunities and changes</td>
</tr>
<tr>
<td>Put process plan (including program management) in writing</td>
<td>Each step of the PoF process has been described and vetted with utility staff as well as other key stakeholders</td>
</tr>
<tr>
<td>Define &amp; locate hard-to-reach customers &amp; target programs</td>
<td>PoF targets participants according to the needs of the technologies it is assessing, and in accordance with the type of</td>
</tr>
</tbody>
</table>

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accordingly, as appropriate
activity (e.g., pilot demonstration project, market research, market assessment)

**Program Management: Project Management**

<table>
<thead>
<tr>
<th>Cross Program Best Practice</th>
<th>PoF’s program design includes extensive and clear definition of roles and responsibilities, decision and reporting channels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clearly define program management responsibilities to avoid confusion as to roles and responsibilities</td>
<td>PoF’s diverse team allows matching the most suitable resources to specific program needs (e.g., engineers for technical aspects of the program, marketing &amp; communications experts for outreach, etc.)</td>
</tr>
<tr>
<td>Use well-qualified engineering staff (for technical programs)</td>
<td>The program design has decision making for key program elements remaining within SoCalGas hands</td>
</tr>
<tr>
<td>Delegate responsibility based on risk versus reward</td>
<td></td>
</tr>
</tbody>
</table>

**Program Management: Reporting and Tracking**

<table>
<thead>
<tr>
<th>Cross Program Best Practice</th>
<th>The PoF process documents program criteria and the scanning methodology, provides M&amp;V plans for pilot demonstrations, develops technology marketing assessment plans and designs, and develops program readiness packages including work papers, and project plans</th>
</tr>
</thead>
<tbody>
<tr>
<td>Define &amp; identify key information needed to track &amp; report early in the program development process</td>
<td>These are clearly identified in the project plans and activities</td>
</tr>
<tr>
<td>Clearly articulate the data requirements for measuring program success</td>
<td>All PoF program elements and processes are developed and ready for review as part of the program theory and design</td>
</tr>
<tr>
<td>Design program tracking system to support the requirements of evaluators as well as program staff</td>
<td></td>
</tr>
</tbody>
</table>

**Program Implementation: Participation Process**

<table>
<thead>
<tr>
<th>Cross Program Best Practice</th>
<th>The PoF process is designed to simplify transaction between utility and emerging technology providers; and facilitates all research and collaboration between SoCalGas and the industry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keep participation simple</td>
<td>The PoF process is inclusive and thorough in its approach to emerging technology review and recommendation</td>
</tr>
<tr>
<td>Develop participation strategies that are multi-pronged &amp; inclusive</td>
<td>The program includes regular “hand-holding” of each of the players in the process as PoF evaluates ETs for program readiness</td>
</tr>
<tr>
<td>Provide quick, timely feedback to (applicants) technology partners, interested industry participants and ET developers</td>
<td>This is one of the criteria and elements of ET selection as “program ready,” and includes linking with the ET provider to ensure utility service area support for the new technology</td>
</tr>
<tr>
<td>Review &amp; understand product availability before establishing product eligibility</td>
<td>PoF simplifies the program process and avoids technology provider confusion</td>
</tr>
<tr>
<td>Offer a single point of contact for customers</td>
<td></td>
</tr>
</tbody>
</table>

**d) Innovation**

The POF program is the only one of its kind in that nation and is distinctive in that the goal of the Program is to not only to identify promising technologies, but also to support SoCalGas efforts to integrate these into the utility’s approved Commission portfolio. The
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focus of the program is on emerging technologies beyond the R&D stage, but needing some further research, testing, enhancements or support to be “program ready,” and thus able to be integrated into utility program offerings.

e) **Integrated/Coordinated Demand Side Management**
   Although this Program is not an Integrated Demand Side Management program, it has opportunities for integration. The level and type of integration with DSM programs, though, will depend on the nature of the various technologies being evaluated and readied for integration into SoCalGas’s 2015-2017 portfolio. The PoF’s process scans for technologies in all markets and sectors. The evaluation of each technology considers how it might complement or compete with other technologies in SoCalGas’s existing portfolio for different types of customers and businesses. This understanding is used to structure the recommended programs and incentives for each technology selected by SoCalGas for its future portfolio.

f) **Integration Across Resource Types (energy, water, air quality, etc)**
   Although the primary purpose of this program is to accelerate the adoption of high potential natural gas efficiency technologies, there are many ancillary resource benefits. For example, one of the primary end uses of natural gas is to heat water. Many new gas efficiency technologies identified during the 2010-2012 energy efficiency program cycle such as improved shower diverter valves, involve re-using heated water which results in savings of water as well as of natural gas. To the extent that potable water is used for such processes, the electricity embedded in that reduced water consumption is also avoided, resulting in reductions in greenhouse gas emissions.

g) **Pilots**
   Pilot projects will be conducted subject to SoCalGas approval. Pilot activities in 2013 - 2014 may include:

   Follow up pilots from the 2012 Industrial Net Zero Study
   Completion of any pilots initiated in the last 6 months of 2012, including possibly commercial kitchen hood heat recovery, commercial recirculation pumps and A/C heat recovery for water heating.

   In addition, new pilots will be conducted for additional high potential technology opportunities identified during the –2013-2014 market scans. Following is a description of the pilot project process.

   1. For each pilot project, a pilot project plan will be developed that includes an executed agreement and participation terms for each pilot participant. The agreement will cover the following terms and conditions:
      - Identification of participants in the pilot
      - Definition of roles and responsibilities of the parties
      - Documentation of resources and assets contributed by each party
      - Needs/ownership and interests/benefits (if any) that accrue to each party
      - Amount of SoCalGas incentives available/requested
2. The pilot will then be conducted in accordance with the plan.

3. Data analyses will be conducted that document expected energy savings.

4. Upon completion of pilots, debriefings will be conducted with pilot participants, capturing lessons learned and key factors required for success in future applications.

5. A pilot summary report will be prepared that includes a description of the pilot, the pilot results and learning, and recommended next steps. Technical specifications, documentation of the data analyses and other pertinent data will be documented in the report appendices. The pilot summary report will include: a description of the pilot; the pilot objectives; pilot design; data collected; data analytical approach; data analysis results; energy savings/production; cost-effectiveness calculations; risks and uncertainties; lessons learned; applicable market(s); and recommendations.

6. If appropriate, a publicity packet may be prepared that includes a press release, a web story with links to additional information, technology guidelines, and customer testimonials.

7. Finally, an application brief will be prepared, if appropriate, that describes the technology, its applicability, benefits, and sources for more information and assistance. Technology-specific information will be uploaded to the website of the PoF’s sister program, the California Sustainability Alliance’s website, and any other appropriate venues agreed to by SoCalGas and PoF.

h) **EM&V**
The utilities are proposing to work with the Energy Division to develop and submit a comprehensive EM&V Plan for 2013-2014 after the program implementation plans are filed. This will include process evaluations and other program-specific studies within the context of broader utility and Energy Division studies. More detailed plans for process evaluation and other program-specific evaluation efforts cannot be developed until after the final program design is approved by the CPUC and in many cases after program implementation has begun, since plans need to be based on identified program design and implementation issues.

7. **Diagram of Program**

**Program Collaboration Diagram**

1. **Southern California Gas (SCG)**
   - Emerging Tech Department (Gas)**
   - Navigant Consulting, Inc (NCI)

2. **ET Portfolio of the Future (PoF)**
   - Emerging Tech Department (Gas)**

3. **Pacific Gas and Electric (PG&E)**
   - Emerging Tech Department (Gas)**

4. **Emerging Technology Coordinating Council (ETCC)**
   - Communication; Ideation; Coordination

5. **California Energy Commission (CEC)**
   - Public Interest Energy Research Program (PIER)

6. **Program Partners Collaboration/Coordination**
   - (As Opportunities are Developed)
   - IOUs and other utilities
   - CEC PIER and other state agencies
   - US Department of Energy and other national agencies and research labs
   - Educational Institutions/Scientific Community
   - Industry Groups
   - Investment Community
   - Individual ET companies & developers

1. Southern California Gas – SoCalGas is responsible for overall management of the Emerging Technology PoF program. The program is a continuation of a successful third-party program effort during the 2010-2012 program cycle.
2. Navigant Consulting, Inc (NCI) is the third-party operator of the PoF program and reports directly to SoCalGas.
3. The PoF program coordinates it efforts as appropriate with the natural gas energy efficiency savings program of both San Diego Gas & Electric and Pacific Gas and Electric companies.
4. SoCalGas shares PoF research findings with the Emerging Technology Coordinating Council, of which it and the other IOUs are members.
5. The PoF program will continue its broad based collaboration efforts with relevant emerging technology research efforts at the federal and state agency level as well as with relevant educational entities and industry groups, e.g.; NCI currently works closely with the U.S. Department of Energy on related efforts.

8. Program Logic Model