



Our Mission

PROVIDING SUSTAINABLE VALUE TO THE PIPELINE INDUSTRY BY DELIVERING RESEARCH SOLUTIONS THAT ASSURE SAFE, ENVIRONMENTALLY SOUND, AND COST-EFFECTIVE OPERATIONS WORLDWIDE.

Pipeline Research Council International, Inc. (PRCI) is a tax-exempt, not-for-profit corporation comprised of energy pipeline companies. PRCI was established in 1952 as the Pipeline Research Committee by 15 pipeline companies to address the problem of long-running brittle fractures in natural gas transmission pipelines. In solving that problem within two years, the benefits of industry collaboration and the leveraging of voluntary funding were demonstrated. Although originally focused on technology development for the gas transmission industry across the research spectrum from basic to

applied, over the years PRCI has increasingly focused on near-term integrity and reliability solutions to design and operating problems and realizing the opportunities that an industry-managed program generates. As the research broadened, PRCI's membership has matured and expanded with an increasing focus on oil and petroleum products pipelines. PRCI recently invited a few select companies on whom the industry relies for its critical equipment, products and services to become associate members. In today's market, PRCI is the conduit by which research contractors and the industry's technical representatives target the critical technical needs of oil and gas pipelines.

STRUCTURE & ORGANIZATION

Program Governance. PRCI is governed by a Board of Directors, comprised of one voting member from each pipeline member company. The Board of Directors meets twice each year, in late winter and in conjunction with PRCI's Annual Meeting in September. The nine-member Executive Committee of the Board develops policy and program recommendations for the Board and provides oversight of the technical committees.

Program Execution. Program execution and management are the responsibility of six technical committees comprised of technical experts assigned by member companies. These committees develop research road maps and provide strategic direction to ensure timely outcomes. Project Teams, comprised of representatives of the companies that fund the project, manage the technology programs and the individual projects of which they are comprised. The teams work directly with technology and research firms, service providers and key industry suppliers to execute contract work scopes that target research deliverables that are

responsive to the business and operating needs of PRCI member companies.

The following is the array of topics that comprises the 2011 PRCI research program:

CORROSION

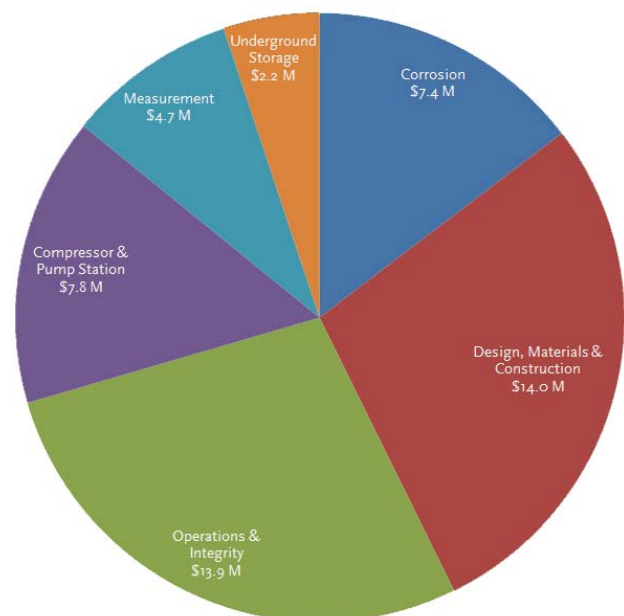
- Internal Corrosion Threat Assessment
- Location and Evaluation of Coating Disbondment and Shielded Coatings
- SCC Mitigation and Repair
- SCC Susceptibility Evaluations
- Site Identification and Re-Inspection Intervals for SCC DA
- Structural Significance of Corrosion Defects

DESIGN, MATERIALS & CONSTRUCTION

- Design & Construction
- Design & Construction – Strain Based Design
- Materials, Welding & NDT
- Materials, Welding & NDT – High Performance Pipe
- Structural Integrity Assessment

OPERATIONS & INTEGRITY

- Integrity Management
- Leak Detection
- Mechanical Damage Characterization
- Non-Destructive Testing (NDT)



OVER \$50 MILLION DEDICATED TO THE PRCI RESEARCH PROGRAM IN THE LAST FIVE YEARS

- ROW Monitoring & Damage Prevention
- Subsea Pipeline Integrity Management
- Tools for Unpiggable Pipelines

MEASUREMENT

- Measurement Reliability
- Measurement Uncertainty & System Balance and Facility Design
- O&M Cost Reduction and Operating Efficiency
- Quick Response Measurement Standards Support

COMPRESSOR & PUMP STATION

- Compressor & Pump Station Facility Integrity
- Compressor Station Engines - Toxic Emissions Compliance
- Compressor Station Fuel Efficiency
- CORE - Compliant, Optimized Reliable Engine
- Gas Turbine Operating Cost Reduction
- Reciprocating Engine Reliability and O&M Cost Reduction
- Reduce Liquid Pump Cost of Service

UNDERGROUND STORAGE

- Cavern Storage

FUNDING

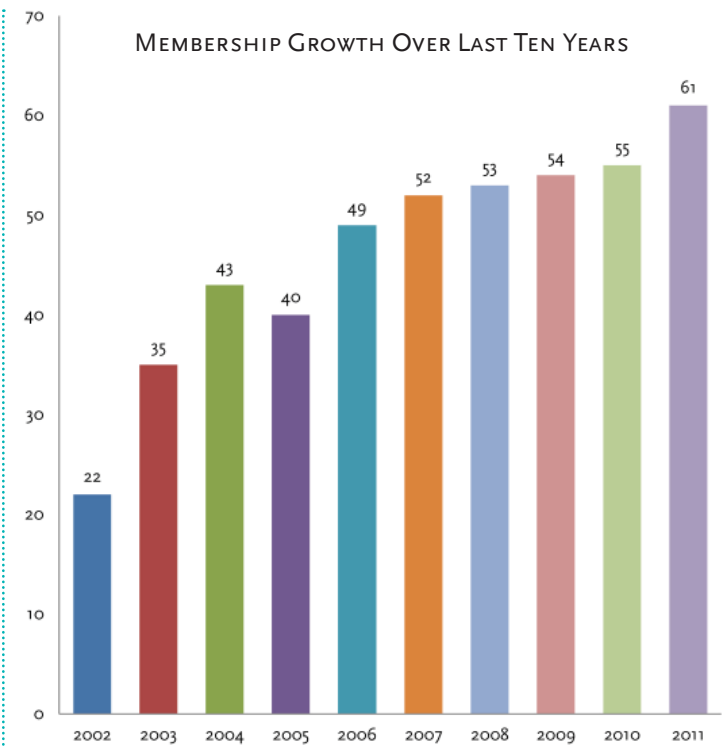
Member Subscription. The majority of funding for PRCI's research program comes from its pipeline member companies and associate members through their annual subscriptions, which are allocated by the members to the research projects they identify of greatest relevance to their business drivers. Members also assign their technical staff to manage the projects in conjunction with PRCI staff program managers. Since 1985, PRCI member company subscriptions have provided more than \$130 million toward the energy pipeline research program.

Cofunding. Funding for the PRCI research development program is augmented through: supplemental funding of member companies, associate members and technical program associate members; and cofunding from non-member pipeline companies, equipment manufacturers, vendors, research development firms, and agencies of the U.S. Federal Government, most notably the Departments of Transportation and Energy. Cofunding allows non-members to participate in the selection, management, and outcomes of PRCI's research program. In 2011, PRCI's research program will total \$20 million comprised of direct member contributions and external cofunding.

Accessing PRCI Research. PRCI is proud of the intellectual property it has developed over its 59-year history, which is available for purchase by non-members. PRCI technology products and reports are available from an extensive and diverse catalogue maintained on the PRCI website, www.prci.org.

BENEFITS

Energy pipeline companies enjoy important benefits from their



membership in PRCI, across a spectrum of quantified benefits. These benefits have been demonstrated through formal benefit/cost studies of member participation that have yielded consistently positive ratios in the range of 4:1 to 7:1 from reduced costs of operations and maintenance, inspection, materials, design, testing, and repair and remediation. In addition, participation in PRCI yields additional benefits that are not immediately quantifiable but which are fundamental to both the development of research and its application, including –

- A professional research management infrastructure;
- A highly leveraged research investment;
- Earliest access to technology;
- The opportunity to expand the knowledge base – of the industry, the company, the employee;
- Enhancing the credibility of the member and the industry through a commitment to planning for future system integrity and reliability; and,
- Providing a forum for addressing unique, time-sensitive problems and a means to avoid duplicate efforts.

FOR MORE INFORMATION

Contact PRCI at info@prci.org.



**Pipeline Research Council
International, Inc.**

3141 Fairview Park Drive • Suite 525
Falls Church, VA 22042 • USA
Main 703-205-1600 • Fax 703-205-1607
www.prci.org