

Appendix D

INDEPENDENT REVIEW PANEL MEMBERS BIOGRAPHIES

Larry N. Vanderhoef, Panel Chair



Larry N. Vanderhoef is Chancellor Emeritus, University of California, Davis. He joined the campus in 1984 as executive vice chancellor and provost and was appointed chancellor in April 1994. During his tenure as chancellor, the campus was invited to membership in the prestigious Association of American Universities; increased its extramural awards from \$169.1 million to \$622 million annually, earning a National Science Foundation research funding ranking of 10th in the U.S. among public universities; and made distinctive strides in recruiting a diverse and accomplished faculty and student body.

Mr. Vanderhoef was honored by the *Sacramento Business Journal* as one of the 20 people who have contributed most substantially to California's capital region over the past 20 years, and Valley Vision presented him with its 2009 Legacy of Leadership Award. As well, the Sacramento Metropolitan Chamber of Commerce named him Sacramentan of the Year in 2004, and the Arts and Business Council of Sacramento presented him with its Prelude to the Season Outstanding Contribution Award in 2003.

Mr. Vanderhoef has served on various national commissions addressing graduate and international education, the role of a modern land-grant university and accrediting issues. He holds B.S. and M.S. degrees in biology from the University of Wisconsin, Milwaukee, and a Ph.D. in plant biochemistry from Purdue University. Previously, he held faculty positions at the University of Illinois, where he also served as a department head, and at the University of Maryland, College Park, where he was appointed provost. Early in his career, he was named an Eisenhower Fellow, a recognition awarded to emerging leaders from around the world to promote positive relationships and interactions between countries. He was awarded honorary doctoral degrees by Purdue University and by Inje University in Korea, and an honorary professorship of China Agricultural University.

Patrick Lavin



Patrick Lavin started his International Brotherhood of Electrical Workers (IBEW) career at IBEW #9, Chicago, in June 1966 as a Groundman. In 1969, he enlisted in the United States Marine Corps and served on active duty in the Pacific with the Fleet Marine Force of the U.S. Navy's 7th Fleet until 1972. All the while, he was an active, dues paying member of IBEW #9.

Mr. Lavin is a Journeyman Lineman by trade and has been one for over 35 years. He has been elected to four terms as Business Manager & Financial Secretary of IBEW Local #47 and is serving his 3rd term as the IBEW 7th District International Executive Council member. He was elected as Secretary of that Council by the IEC in June 2003.

Of his 33 plus years in the field, Mr. Lavin has worked for numerous IBEW signatory contractors and four utilities out of various local unions around the U.S.

Mr. Lavin is the Treasurer of the Coalition of California Utility Employees (CCUE), a Board member of California Unions for Reliable Energy (CURE), an Executive Board Member of the California State Association of Electrical Workers (CSAEW), and a member of the Board of Directors of the California Foundation on the Environment and the Economy (CFEE). He is currently co-chairman of the Pacific Council on International Policy, Energy Task Force. He also serves as Chair of the IBEW #47 Retiree Medical Trust Fund, along with being the Chairman of the Cal-Nevada IBEW/NECA JATC Board.

As a member of the IBEW International Executive Council, he is a Trustee on the Pension Benefit Funds and all funds of the International Brotherhood of Electrical Workers. In addition to those duties, he serves on the National Employee Benefit Board (NEBB), which is the Board of Directors for the National Electrical Benefit Fund (NEBF), National Electrical Annuity Plan (NEAP), and the National Electrical 401k (NEFP).

Mr. Lavin holds a bachelor's degree in Organizational Management from Southern California College. He has been married to his wife, Ellen, for 36 years. They have two daughters, two sons, and 10 grandchildren.

Karl S. Pister



Karl S. Pister is Chair of the Governing Board of the California Council on Science and Technology, and Chancellor Emeritus, University of California, Santa Cruz, and Dean and Roy W. Carlson Professor of Engineering, Emeritus, University of California, Berkeley. He completed five decades of service to higher education, beginning his career in higher education as Assistant Professor in the Department of Civil Engineering at UC Berkeley. He served as Chairman of the Division of Structural Engineering and Structural Mechanics before his appointment as Dean of the College of Engineering in 1980, a position he held for 10 years. From 1985 to 1990 he was the first holder of the Roy W. Carlson Chair in Engineering. From 1991-1996 he served as Chancellor, UC Santa Cruz.

He received the Wason Medal for Research, awarded by the American Concrete Institute and was the recipient of Distinguished Alumni Awards from the University of Illinois and the University of California, Berkeley Colleges of Engineering. The American Society for Engineering Education presented him with the Vincent Bendix Award for Minorities in Engineering, and the Lamme Medal, the highest honor bestowed by the society, for his contributions to engineering education. He is also the recipient of the Berkeley Medal, awarded by UC Berkeley, the Presidential Medal of the University of California, and the Year 2000 Presidential Award of the American Society of Mechanical Engineers.

Mr. Pister is a member of the National Academy of Engineering and a Fellow of the American Academy of Arts and Sciences. He is also a Fellow of the American Academy of Mechanics, the American Society of Mechanical Engineers, the American Association for the Advancement of Science, and an Honorary Fellow of the California Academy of Sciences. He served as founding chairman of the Board on Engineering Education of the National Research Council.

Mr. Pister attended the University of California, Berkeley, where he received a bachelor's degree with honors and master of science degree in the field of civil engineering. After serving as an instructor in civil engineering at Berkeley, he completed graduate studies at the University of Illinois at Urbana-Champaign, where he received the Ph.D. in Theoretical and Applied Mechanics.

Paula Rosput Reynolds



Paula Rosput Reynolds has served as a senior executive in several prominent public companies. Most recently, Ms. Reynolds completed a one-year assignment leading a restructuring team whose goal was to stabilize the liquidity and capital needs of the world's largest insurance company, American International Group (AIG), which was a recipient of substantial support from the U.S. government.

Ms. Reynolds is the former chairman, president, and chief executive officer of Safeco Corporation, a Fortune 500 property and casualty insurance company that was acquired by Liberty Mutual Insurance Group in 2008. During her tenure, Safeco produced financial performance that was routinely in the top quartile of its industry peers. Under her leadership, Safeco increased its focus on technology and innovation, including the creation of the insurance industry's only research and development group.

Before joining Safeco, Ms. Reynolds was chairman, president, and chief executive officer of AGL Resources, a Fortune 1000 Atlanta-based energy services holding company. AGL's holdings include natural gas utilities along the eastern seaboard as well as energy facilities and trading in the Gulf Coast of the U.S. AGL Resources was named "Company of the Year" by its industry trade publication and launched major pipeline replacement programs throughout the states in which it operated.

Prior to moving to Georgia, Ms. Reynolds was an executive of Duke Energy Corporation and one of its predecessors, PanEnergy Corp. She served as the CEO of Duke Energy North America, an unregulated owner and operator of electric power. Earlier in her career, Reynolds held positions at PG&E Corp. including serving as an executive of PG&E's interstate natural gas pipeline subsidiary, which is now part of TransCanada Corp.

Ms. Reynolds has served as a director of various public companies and is currently on the boards of Delta Air Lines and Anadarko Petroleum Corporation. At present, Ms. Reynolds serves as a member of the Governor's Task Force on Financing Higher Education in the state of Washington.

Ms. Reynolds graduated with highest honors in economics from Wellesley College.

Jan Schori



Jan Schori is the former general manager and chief executive officer of the Sacramento Municipal Utility District (SMUD), the nation's sixth largest publicly owned electric utility. During her 14 year tenure as CEO, the utility earned a strong reputation for its renewable energy and energy efficiency programs as well as the national number one ranking in commercial customer satisfaction by JD Power & Associates in 2006-7 and 2007-8. Prior to serving as CEO, she spent 15 years on the legal staff at SMUD, the last five years as general counsel. She is past chair of the American Public Power Association, the Large Public Power Council, and the California Municipal Utilities Association.

Ms. Schori is also past chair of the Business Council for Sustainable Energy and served on the board of the Alliance to Save Energy. She was elected in 2009 to the North American Electric Reliability Corporation's (NERC) board as an independent trustee. NERC is responsible for the reliability of the U.S. and Canadian bulk power grid. She continues to serve as member of the board of directors for the Climate Action Reserve, which develops protocols and tracks greenhouse gas reduction projects, and the board of Valley Vision, a regional action tank seeking collaborative solutions to community issues in California's central valley. She is of counsel to the law firm Downey Brand LLP in Sacramento.

BACKGROUND OF EXPERT CONSULTANTS

Jacobs Consultancy, Inc.

Jacobs Consultancy provides technical, economic, and management consulting services to clients in the electric, power, water, natural gas, refinery and petrochemical, and transportation sectors around the world. A selected listing of our typical energy utility services is shown below.

CONSULTING SERVICES	
<ul style="list-style-type: none">• Operational reviews and audits• Reliability reviews and benchmarking• Due diligence merger reviews• Safety studies and audits• Business continuity audits and assessments• Pipeline Integrity Management• Risk management strategy development• Power and natural gas market analysis and forecasts• Litigation/expert witness assistance• Strategy consulting including planning, diversification, and acquisition assistance• Transmission engineering	<ul style="list-style-type: none">• Economic assessments• Vegetation management audits• Rate and regulatory expertise• Partnering, alliances, and outsourcing advice• Project development and management• Workforce analysis• Asset appraisals and valuations• Business process improvement• Management audits• Project feasibility analysis – technical and economic• Environmental due diligence• Utility system planning• Fuel contract review

Specifically with respect to pipeline integrity, Jacobs Consultancy provides a comprehensive suite of advisory services including: program improvement; map, data and performance integration; gap assessment, program audits, communications outreach, rate case testimony and full-service pipeline integrity management program management.

Van Ness Feldman, P.C.

Founded in 1977, and now with over 90 professionals in Washington, D.C. and Seattle, WA, Van Ness Feldman provides strategic business advice, legislative and policy advocacy, legal, and regulatory compliance counsel, representation in administrative proceedings and litigation, and support for project development, permitting, and transactions in the inter-related areas of energy, the environment, natural resources, public lands, health care, and infrastructure.

The firm has one of the largest gas and electric practices in the country, augmented by a full network of complementary energy and environment-related disciplines, and have been described by *Chambers USA 2010* as "the best energy boutique in the USA." In addition, *U.S. News-Best Lawyers* ranked the firm in the top tier nationally for energy law, and in the top tier in Washington, D.C. for energy, environmental, and government relations.

A diverse range of clients – including leading electric utilities, natural gas and oil production and pipeline interests, renewable energy project developers, manufacturing and industrial concerns, financial institutions and investment funds, clean technology companies, health care services companies, federal lands concessioners, municipalities, trade associations, coalitions, and many others – rely on the firm's professionals for their substantive expertise and their practical, collaborative approach to complex, cutting-edge issues.

Van Ness Feldman's clients are involved in almost every aspect of the natural gas, oil, and refined products industries and have recently developed or are actively developing over \$15 billion in new LNG import terminal, pipeline and storage infrastructure – including two of the largest, longest interstate pipelines in North America.

The firm provides legal, business, and strategic counseling on all matters arising under core regulatory statutes such as the Natural Gas Act, Natural Gas Policy Act, Pipeline Safety Act, Interstate Commerce Act, and many environmental statutes. Regarding oil and gas pipelines, the existing operational capacity on firm clients' U.S. pipelines exceeds 22 billion cubic feet per day (Bcf/d). Van Ness Feldman helps clients to anticipate and respond to the ever-changing market conditions and regulatory policies affecting the industry by providing strategic counseling and assistance with "day-to-day" regulatory matters.

Robert E. Nickell

Robert E. Nickell has provided engineering consulting services to private industry and government through Applied Science & Technology since 1984. In addition to consulting for the CPUC Independent Panel, his current consulting activity includes knife-edge corrosion assessment for Cook Inlet offshore platforms, expert testimony for the Indian Point Nuclear Power Plant Units 2 and 3 license renewal application, application of ASME Code rules to the design of controlled detonation chambers for chemical weapons destruction, aircraft impact assessment of new commercial nuclear power plants, technology readiness assessment for National Nuclear Security Administration capital construction projects, and risk assessment for medical, industrial and nuclear sources.

Dr. Nickell received his B.S. (1963), M.S. (1964), and Ph.D. (1967) degrees in engineering science from the University of California, Berkeley. Dr. Nickell has been

involved in various ASME Boiler and Pressure Vessel Code activities for the past thirty-eight years, and is currently the Chair, Task Group on Impulsively Loaded Vessels, reporting to the Subgroup on High-Pressure Vessels (SG HPV) of Section VIII of the ASME Code. Dr. Nickell is a member of ASCE, ANS, and ASTM, and is a Fellow of the AAAS and ASME. He is a past Technical Editor of the ASME Transactions Journal of Pressure Vessel Technology and a past Chair of the Executive Committee of the ASME Pressure Vessel & Piping Division. He was elected and served as Governor of the ASME from 1992-1994, and he is currently a Past President of ASME, and served as the Secretary and Treasurer of the Society, with a three-year term that ended in June 2004. Dr. Nickell was elected to the National Academy of Engineering in 2007. He has authored or co-authored more than 100 papers in refereed journals.

Ralph L. Keeney

Ralph L. Keeney is a Research Professor at the Fuqua School of Business of Duke University. His education includes a B.S. in engineering from UCLA and a Ph.D. in operations research from MIT. His research interests are the areas of decision-making and risk analysis, with a focus on problems involving multiple objectives. He has applied such work as a consultant for several private and public organizations addressing corporate management problems, environmental and risk studies, decisions involving life-threatening risks, and important personal decisions. Prior to joining the Duke faculty, Professor Keeney was a faculty member in Management and Engineering at MIT and at the University of Southern California, a Research Scholar at the International Institute for Applied Systems Analysis in Austria, and the founder of the decision and risk analysis group of a large geotechnical and environmental consulting firm. Professor Keeney is a Member of the National Academy of Engineering.