



**Robert B. Catell**  
**Chairman, New York State Smart  
Grid Consortium Chairman**



**Advanced Energy Research and  
Technology Center (AERTC)  
at Stony Brook University**

Mr. Catell was formerly the Chairman and Chief Executive Officer of KeySpan Corporation and KeySpan Energy Delivery, the former Brooklyn Union Gas. His career with Brooklyn Union Gas started in 1958. Following National Grid's acquisition of KeySpan Corporation, Mr. Catell became Chairman of National Grid, U.S. and Deputy Chairman of National Grid plc.

He currently serves as Chairman of the Board of the Advanced Energy Research and Technology Center (AERTC) at Stony Brook University, New York State Smart Grid Consortium, Cristo Rey Brooklyn High School, and Futures in Education Endowment Fund.

Mr. Catell serves on the Board of the following governmental organization: NYS Economic Development Power Allocation Board (EDPAB). He also serves on the Board of the following not for profit organizations: City College of New York 21st Century Foundation, Colin Powell School for Civic and Global Leadership, Department of Education; Diocese of Rockville Centre, Feinstein Institute for Medical Research, National Grid Foundation, St. Francis Hospital Foundation, Tomorrow's Hope Foundation, and the New York City Police Foundation.

Mr. Catell serves on the Board of the following business organizations: A+Technologies, BioRestorative Therapies, Long Island Angel Network (LIAN), Long Island Association (LIA), National Petroleum Council, the New York Academy of Sciences (NYAS), ThermoLift Inc., and the Water Company, LLC.

He serves on the Advisory Board for: Advanced Power North America (APNA), Applied DNA Sciences Inc., Atmos Air Solutions, CAI Investments, the Center for Urban Sciences & Progress (CUSP), EC Infosystems, Our Energy Policy Foundation, Posillico Inc., the President's Advisory Council at Adelphi University, VNG.CO, and the Winthrop Hospital Board of Regents.

Mr. Catell is an Executive in Residence at Hofstra University and was named the first "John J. Phelan, Jr. Fellow" of the Robert B. Willumstad School of Business at Adelphi University.

Mr. Catell is a former Chairman of the American Gas Association, Brooklyn Chamber of Commerce, KEYERA Energy Management Ltd., Long Island Association, Partnership for New York City, Inc., U.S. Energy Association (USEA), Business Council of NYS, the Advisory Board of the City College of New York's School of Engineering, and the Downtown Brooklyn Partnership.

Mr. Catell was a former board member of: the Brooklyn Public Library Foundation, Edison Electric Institute (EEI), Energy Association of NYS, Long Island Foreign Affairs Forum, New York State Energy Research & Development Authority (NYSERDA), the advisory board of HeartShare for Human Services, and the Brooklyn Law School (Member Emeritus).

Mr. Catell is a member of the Association of Energy Engineers, CUNY Business Leadership Council, National Society of Professional Engineers, NYS Society of Professional Engineers, and the Society of Gas Lighting.

Mr. Catell received both his Bachelor's and Master's degrees in Mechanical Engineering from the City College of New York and is a registered Professional Engineer. He has attended Columbia University's Executive Development Program, and the Advanced Management Program at the Harvard Business School.

**Title:** Energy Industry: Innovation, Reliability, Quality

**Abstract:** Since 2000, the utility industry has been going through major changes - from a highly regulated industry to a competitive energy industry - while at the same time going through major consolidation. Mergers and acquisitions are an ongoing part of the transformation of the deregulated Energy Industry, on both a national and international level.

Developing solutions to reduce energy costs while securing adequate supply involves the incorporation, in the supply equation, of renewables, like solar and wind, combined with renewable fuels such as biogas. This adds to improving the environment and reducing carbon emissions. All of this needs to be accomplished while maintaining the reliability of the energy delivery system and ensuring the quality of service to the energy consumer.