

Engineer of the Year 2010

John A. Brogan, P.E.

TSPE Bexar Chapter

John A. Brogan, PE recently retired with over 35 years of dedicated service at CPS Energy. He grew up in San Antonio, graduating from Alamo Heights High School and attending San Antonio College then transferring to the University of Texas at Austin where he received a Bachelor of Science in Electrical Engineering with Honors in 1972. In 1973, he received a Master's of Science (specializing in Electric Power Systems) from Ohio State University in Columbus, Ohio. He began working at CPS Energy in the summer of 1973 as a cadet engineer. In the fall of 1976, he taught an electric motors lab in the evening at Trinity University. John became a registered professional engineer in Texas in 1980.

For more than four decades, John has been active in professional and civic organizations. He has held several offices in IEEE (the Institute of Electrical & Electronic Engineers), including President of both the IEEE Central Texas Section and the IEEE Central Texas Chapter of the Power Engineering Society. He has served TSPE in various capacities, including President of the Bexar Chapter in 2004-2005. Active in his professional societies, he has helped charter an Order of the Engineer Chapter at the UTSA Engineering School. John is a member of Tau Beta Pi (Engineering Honor Society) and Eta Kappa Nu (Electrical Engineering Honor Society). He has participated in numerous committees for national and state professional and civic conventions held in San Antonio. He is a Master Mason and a Knights Templar. He is a member of Shearer Hills Baptist Church and enjoys singing in the choir.

During his career at CPS Energy, John worked on a variety of projects. He developed the first "Breaker Rating Program" for all CPS Energy transmission breakers, designed substations, and designed changes to improve protective relay schemes. After the black-out of 1979, John developed monitoring schemes that would warn CPS of any similar situations prior to occurrence. He later worked in the Downtown Network Engineering Section where he wrote procedures for smooth transitions when adding new networks. During the Fairmount Hotel move, John was the CPS Coordinator who scheduled the moving of street lights and monitored the downtown gas system and electric network to insure there was no loss of service. After a brief tour in the Construction Department, John became the supervisor of "System Protection." He was responsible for the protection of the Generation, Transmission and Distribution systems which included not only engineering design, but also the acceptance and testing of all protective schemes. During this period, John authored and presented several papers on the subject of protective relay schemes. In his last few years at CPS Energy, John worked on specialized projects to insure the reliability of the electric distribution system.

Since retiring last year, he has been an Evaluator for ABET, the Accreditation Board of Engineering and Technology. John represents IEEE and has been reviewing Electrical Engineering programs for various universities throughout the United States.

John's hobbies include hunting, skeet shooting and teaching Concealed Carry Classes.

John and his wife, Mary, have been married for 38 years. Mary is retired from the Alamo Community College District. They have two children: daughter Patricia, married to Ryan Nelle, their two children - Brandon and Rachel; son David, married to Jennifer Kinnaman, is a resident doctor working at the Mayo Clinic.