

Douglas S.

President, All-American Energy Co.

October 2017 - Works at: All-American Energy Co. Inc. in Greater Danbury, CT area

General Field of Work

Electrical Engineering, Contracting, Inspection & Instruction (NCCER certification)

Undergraduate Education

Marquette University College of Engineering in Milwaukee, Wisconsin (BSEE) - various seminars and lectures - Economics at IIT (*Illinois Institute of Technology*) nights while a coop student with Commonwealth Edison Company - and five part-time jobs (*includes washing NROTC caps and cutting hair*). (Webinars and free on-line courses from Hillsdale College in Hillsdale, Michigan "Constitution 101 & The Supreme Court" were attended after graduate education)

Minor: No reply

Undergraduate Non-Academic Interests: Music, Sports/Athletics, Clubs, RC Model Boats

Graduate Education

New York State University @ Binghamton , NY for Applied Mathematics

Professional Societies or Organizations

IAEI(*International Association of Electrical Inspectors*)

What high school academic interests led to your college & career path?

Four years of math and science (encouraged by excelling on New York State Regent's Exams) and after school electronics club. (I would have enjoyed your Robotics classes if offered at that time. Leading into career path: Pre-engineering classes in high school.

Please briefly describe your path to your current job

Pre-engineering classes in high school. Co-op student @ Marquette Univ College of Engineering (Milw, WI) with Commonwealth Edison Company (Chicago, Illinois). After graduation, 8 years with CECO (field & vault design engineer -- 4 years planning engineering with NY State Electric & Gas (Binghamton, NY) -- 9 years Corporate Electrical Engineer with Citizens Utilities Co. (Stamford, CT) -- Field Liaison Engineer with Intec Corp (Trumbull, CT) non-destructive laser inspections of industrial webs -- Director of Operations & Maintenance @ Union Carbide Bldg in Danbury, CT -- Superintendent of Electric Utilities for the Village of Freeport, Long Island, NY -- Utilities Manager @ Kohler Co. in Wisconsin, Texas & North Carolina -- presently President of All-American Energy Co. Inc with goal to start-up a new private power & energy industry in America.

What are a few things that you like best about your job?

Satisfaction of achievement and being a major contributor to a companies bottom line. Saved \$1.72 million in 8 months, with no investment, for a large industrial company and lowered annual energy budget from \$12 to \$9 million. A local Danbury Pastor complained about high electric bills, I determined the problem was improper metering by electric utility and worked for free at getting him a refund of \$18,351.14
Today, helping seniors and churches lower their electric bills. When a local Danbury, CT pastor complained to me about high electric bills, I determined the problem was improper metering (over many years) by electric utility and worked for free at getting him a cash refund of \$18,351.14 (It was not an intentional mistake but utility, with 3.7 million electric & gas customers, failed to act on the non-specific customer complaint).

What are the most important technical skills needed in your job?

Common-sense and problem solving techniques using approximations; use of electrical and electronic tools and equipment (i.e., various meters, measuring, testing and soldering equipment, oscilloscope, etc); understanding the National Electric Code; ability to troubleshoot problems, and to read and prepare schematics and contracts.

What are the most important non-technical skills needed in your job?

Defining the problem, written and oral communication, people skills, self-starter, can-do attitude, persistence, negotiating contracts, and ability to turn problems into opportunities.

What are some of the most challenging aspects of your job?

Doing the impossible on-time, within budget, safely and efficiently while complying with all rules, regulations and criteria. A Corporate CEO asked me one morning to tell him that afternoon how much it will cost to get power to Lake Havasu City, AZ. There were 1700 residents but no city. I

had seen 1 roadrunner, 1 rattlesnake and several cactus -- I had no idea what the needs of the residents were or how many residents there would eventually be.

The company would be re-routing the Colorado River to form an island, move chain saw operations onto his Island, re-locate the London Bridge (from London, England) there to get across to his Island and develop property on and around the London Bridge). It was a real challenge to forecast load without any history of electrical use, to determine right-of-way from for power transmission 40 miles away, design electric facilities required to supply power & energy and estimate the cost by that afternoon. That completed, I then played a major role in developing all electric facilities on schedule. And then - A population increase to 19,000 in just 10 years and over 54,000 today.

Any advice for students about to begin their college career in September?

Yes: Work hard, play hard and study, study, study -- don't give up -- you can do it!
