



## Matthew Kinback, PE, LEED AP

Director, Power & Infrastructure Engineering

### **Background**

Mr. Kinback has a broad range of experience in engineering of mechanical systems and project management for power generating stations, combined heat and power installations and central chilled water plants for industrial and institutional clients. His involvement has spanned the development, detailed engineering and construction phases of project delivery.

### **Education**

BS, Mechanical Engineering  
The College of New Jersey

### **Professional Licenses & Certifications**

Professional Engineer: NJ  
New Jersey LEED AP

### **Select Project Experience**

**Ameresco VISN7, Augusta, GA**

**CHP & CUP** – Served as Project Engineering Manager leading IGA design effort for 800 kWe micro-turbine based CHP and CUP upgrades. Project was a fact track effort, was delivered on time and achieved a Task Order from VA Hospital

**PSEG Keys Energy Center 780 MW Plant Owner's Engineering, Brandywine, MD**

**Combined Cycle Power Plant** – Supported Project Engineering Manager as Owner's Engineer for EPC of Combined Cycle Power Plant for engineering and construction phases. Provided review of engineering deliverable for compliance to code, contract and good industry practice. Also provided Owner's Engineer services for EPC delivery of 1250 PSIG Natural Gas Line to and Water/Sewer service from utility tie-ins.

**UGI Energy Services 180 MW Plant 40% Engineering, Hunlock, PA**

**Combined Cycle Power Plant** – Lead mechanical engineer for the Main Cooling Tower (58,000 GPM Field Erected) and Condenser Systems. Lead mechanical engineer for the 3,600 Ton Turbine Inlet Air Cooling system.

**Bergen County Utilities Authority, Little Ferry, NJ**

**Digester Gas CHP** – Project Manager for the installation of a 1.4 MW dual-fuel reciprocating engine generator based CHP with a waste heat recovery boiler. A new gas conditioning a blower skid was added to condition and pressurize the digester gas produced at the facility for use in the engine.

**Dartmouth Power Associates Simple Cycle, North Dartmouth, MA**

**Simple Cycle Power Plant** – Project consisted of a GE LM2500 Gas Turbine and SCR/CO Catalyst Emissions Control System. Provided detailed pumping calculations utilizing PIPEFLO, generation of P&IDs and support for equipment bidding and procurement for fuel oil, fuel gas, raw water and demineralized water systems.

**DSM Nutritional CHP Study, Belvidere, NJ**

**CHP Evaluation** – Performed general Arrangement, heat balance & P&ID drawing for installation of a 7 MW Gas Turbine, 46,000 #/HR HRSG and 700 kW Steam Turbine and ancillary systems.

**Ameresco Dept. of the Interior, Main Interior Building, Washington, D.C.**

**CHP/Central Plant** – Lead engineer for the installation and optimization of a 3,500 Ton Chiller Plant, 30,000 MBH Hot Water Plant and 1 MW micro-turbine based CHP unit. Developed detailed energy model and bid documents for basis of ESPP.