

GERARD R. CHASSE, P.E.

71 AARON'S WAY
HAMPDEN, MAINE 04444
(207) 862-2566

Education

University of Maine, Orono, Maine, 1985-1990
Bachelors of Science in Electrical Engineering

Professional Engineers License, 1997

Employment Experience

Bangor Hydro-Electric Co. - Engineering Services
(March 2002 to Present)

Manager, Engineering Services

Responsibilities

- Accountable for all engineering services at Bangor Hydro including distribution planning, transmission, substation, and distribution engineering, environmental compliance, GIS systems, and customer service related to distribution construction activities.
- Participation on a leadership team responsible for all aspects of the company's performance including employee safety, customer service, system reliability, financial stability.
- Direct Supervision of 45 employees including 5 supervisory personnel.

Bangor Hydro-Electric Co. - Electrical Operations Department
(February 1995 to March 2002)

Asst. Electrical Superintendent, MEPCO Supervisor

Responsibilities

- Responsible for BHE's compliance program relating to NPCC's testing and maintenance requirements.
- Direct and daily supervision of 4-12 union electrical technicians.
- Responsible for maintenance and capital construction at Maine Electric Power Company's 345 KV bulk power flow substations at Orrington and Chester.
- Responsible for Bangor Hydro's system protection maintenance program consisting of over 1200 relays ranging from electro-mechanical over current relays to state of the art multifunctional, digital distance relays.
- Supervision of capital construction ranging from complete substations to relay installations to generation control projects.
- Responsible for training relay testing technicians.
- Responsible for Power Line Carrier, fiber, digital and analog telecom related to system protection.

- 24 Hour on call status for MEPCO substation problems and one week per five for all Bangor Hydro substation problems.

Accomplishments

- Trained electrical technicians to operate and trouble shoot on complex control systems at the Chester Static Var Compensator station.
- Engineered and commissioned the SPS protection system at Orrington Sub for the MIS plant in Veazie.
- Purchased and implemented \$60K state of the art relay test set and testing and data basing software capable of performing automated testing on multifunction digital relaying schemes and satellite synchronized testing of two or more line terminals.
- Upgraded seven terminals of bulk power transmission lines to state of the art protection systems at Orrington Substation.
- Engineered and commissioned numerous PLC systems including single side band, FSK, and blocking.

Bangor Hydro-Electric Company - Electrical Engineering Department

Electrical Engineer II

(May 1990 - February 1995)

Responsibilities

- Project manager responsible for capital projects related to electrical transmission and distribution substations 4.16 KV through 345 KV and generation stations. This included creating projects, project justifications, estimating labor and materials, electrical design, developing specifications, purchasing materials, contracting civil and structural design, and procuring environmental permits.
- Responsible for protection scheme design and relay settings.
- Responsible for system planning functions such as line and generator data, power flows, short circuit calculations, loss studies, and feasibility studies.
- Advise System Operations Department on operation of transmission and distribution system

Accomplishments

- Designed a new \$0.75M Distribution Substation in Ellsworth.
- Engineered, purchased, and installed a \$0.75M, 56 MVA power transformer in Ellsworth Falls.
- Rebuilt Ellsworth Hydro Substation (\$0.5M) including the purchase and installation of a new GSU.
- Engineered a new AC drive head gate control system at Milford Hydro Station.
- Worked on long range transmission system planning studies and

- system stability studies with General Electric Co.
- Engineered numerous power circuit breaker installations, small substation rebuilds and additions, SCADA (supervisory control and data acquisition) installations, and capacitor bank installations.