

DOWNTOWN AREA NETWORK SOLUTIONS CONSULTING

OUR SOLUTIONS

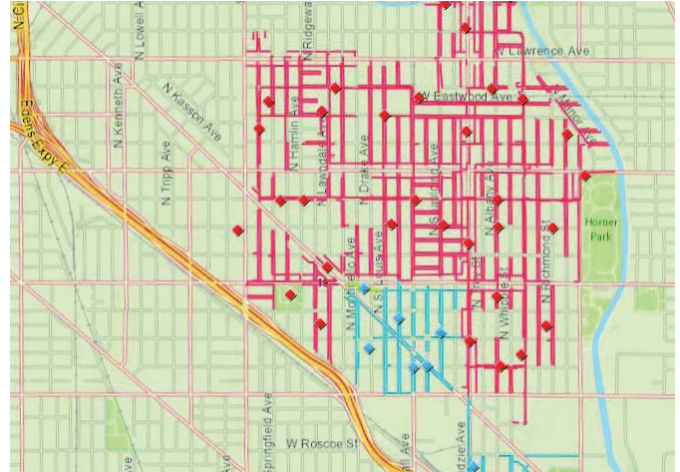
EN Consulting offers comprehensive systems analysis and network consulting for investor-owned utilities, municipalities, and cooperatives to evaluate their downtown distribution systems and networks.

Our expert consultants work with clients to understand the issues they are experiencing in their downtown networks, including reliability, storm hardening, aging infrastructure, growth, and distributed energy and energy storage interconnections. While many networks were not originally built to address these challenges, EN Consulting provides an array of solutions and alternatives to help electric providers overcome these issues and meet their reliability and resiliency goals.



NETWORK AREA STUDY SERVICES

- Work with electric providers to understand and verify the current state of their network, potential areas of expansion, and goals for maintaining or expanding the network
- Evaluate aging infrastructure and prepare alternative solutions (PILC cables, old duct banks, manholes, vaults, and conduit)
- Integrate local plans and objectives for undergrounding, area development, and resiliency
- Prepare growth expansion models and analyze to identify changes required to meet reliability criteria and develop a framework for deployment of DERs
- Create new standards for the revamped network
- Develop economic models and a capital plan for future expansions and resiliency/hardening efforts
- Produce 5-, 10-, and 15-year network plans, which can be revisited on a regular basis to stay ahead of load growth and industry trends



PROGRAM MANAGEMENT AND DETAILED DESIGN SUPPORT SERVICES

In addition to network analysis and planning, EN Consulting is a trusted partner for support functions associated with plan implementation, including detailed design, project/construction management, GIS integration, and data entry. Development of a comprehensive program—from planning and analysis through GIS data entry—allows electric providers to meet their resiliency and renewable/DER goals while maintaining up-to-date records for operations and maintenance.

Our program management and design support services include:

- Detailed design engineering to support the network plan
- Coordination with contractors to improve in-field activities and project schedule
- Project management and support functions - Construction management, controls, scheduling, contract management, outage planning, lead commissioning engineering
- GIS integration to ensure utility systems match what was built in the field