

SCOPE OF WORK

**Development of a 10-Year Capital Funding Plan
for Electrical Power Utility Projects
for
Needles, California**

Date: August 20, 2026

Prepared for: City of Needles - Needles Public Utility Authority - Electric Utility

1. OBJECTIVE

Prepare a comprehensive, decision-ready 10-year capital funding plan that identifies, prioritizes, and estimates the cost and schedule of electrical utility projects required to support load growth, improve public and worker safety, increase supply reliability, modernize monitoring and control, and position the City of Needles electric system for continued economic development.

2. SCOPE OF SERVICES

- Review current system configuration, loading, known constraints, and growth drivers (resort, railroad, cannabis, EV charging, solar).
- Identify and prioritize capital projects across functional and geographic areas: General construction standards, City distribution, North 69 kV supply reliability, South (Moabi / airport) capacity, existing substations, new solar generation and associated substation, and WAPA interfaces.
- Develop engineering cost estimates (with ranges where appropriate) and planning / construction duration estimates for each project.
- Organize projects into a clear prioritization framework that addresses safety, reliability, capacity, internal generation, and modernization.
- Prepare a multi-year financial projection illustrating recommended capital investments by year.
- Document key interdependencies, sequencing considerations, and opportunities for phased implementation.
- Deliver a professional written report suitable for City Council / management discussion, budgeting, and long-range planning.

3. DELIVERABLES

A complete written 10-Year Capital Funding Plan containing: (a) introduction and prioritization framework; (b) project descriptions organized by area with cost and schedule estimates; (c) 10-year capital investment projection (tabular and graphical); and (d) supporting technical detail for major projects.

4. PROPOSED FEE (Report Development)

Estimated Professional Engineering Effort:

Proposed Hourly Rate (specialized utility capital planning): **150 man-hours**

Estimated Fee (based on 160 hours): **\$100 / hour**

Other Direct Costs (specialty software, reproduction, if required): **\$15,000**

Final invoice will be based on actual hours expended at the agreed rate, not to exceed the estimated fee without prior written authorization.

5. SCHEDULE

Final report delivered after receipt of City comments.

ACCEPTANCE

The City of Needles authorizes Brooks Consulting LLC the Scope of Work described above.

City of Needles

Brooks Consulting LLC



Authorized Signature / Date
Printed Name & Title

C. L. Brooks, P.E. / Date
Principal Engineer