



TEGG
SERVICE

NPC ENERGY SERVICES LLC

Preventive Maintenance, Electrical Safety, and NFPA 70E Compliance Experts
907-344-3435 – 7941 Sandlewood Place, Anchorage, AK 99507

March 22nd, 2019

Mr. Tom Sanborn
Capital Facilities Project Manager
City of Valdez
Po Box 307
Valdez, Ak 99686

Re: VCT Electrical Upgrades Project – Rebid
Project No. 17-350-1715 / Contract No. 1473
NPC Energy Services Experience and Qualifications Package

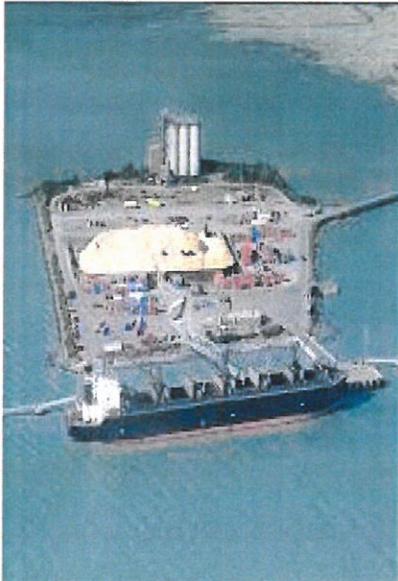
Dear Mr. Sanborn,

NPC Energy Services (NPC) is pleased to provide the following Experience and Qualifications package in response to your Invitation to Bid for the upcoming VCT Electrical Upgrades Project. Two hard copies of our Experience and Qualifications submittal are included here, as well as an electronic copy on the enclosed thumb drive. Our pricing proposal is also enclosed and sealed in a separate envelope.

NPC Energy Services Experience and Qualifications

Item A: Low Voltage Work.

Four projects are included under this section that illustrate our broad range of capabilities and experience constructing and maintaining publicly owned electrical infrastructure.



City of Valdez -Electrical Preventive Maintenance and Arc flash hazard reduction

Owner: City of Valdez

General Contractor: NPC Energy Services LLC

Service Specialist: Keith Haakenson Ph: (907) 344-3435

Contract Amount: \$9,355.00

Percent Complete: 100%

Percent Subcontracted: 0.0%

Beginning & Completion Date: 2015 to 2017

Our TEGG Service Department, through a Professional Services Agreement with the city of Valdez, provided Electrical Preventive Maintenance (EPM) and repairs at various facilities. Provided engineered coordination studies with arc flash incident energy calculations and labeling of equipment. Our services also included data collection and engineering to provide updated electrical one lines for the VCT. Similar services were also performed at the City Hall

building, the small boat harbor, and hospital. This provides us with in depth first-hand knowledge and hands on experience with the existing local electrical systems.



HSIP: GLENN HWY CONTINOUS LIGHTING, MP 27-31

Owner: SOA DOT/PF

General Contractor: NPC Energy Services LLC

GC Contact Name: Paul Lantz Ph: (907) 344-3435

Contract Amount: \$6,713,376.00

Percent Complete: 100%

Percent Subcontracted: 32.4%

Beginning & Completion Date: 2/1/15 to 6/30/16

The SOW for this project required installing 131 luminaires along 4 miles of the North and South bound lanes of the Glenn highway between mileposts 27 and 31.

12" and 36" steel pipe pile pole bases were driven to depths of up to 60'. Replacement of 124 fog lights on the Knik River Bridge and the two Matanuska River bridges. Installed 6 high tower lights at the Old Glenn Highway Interchange. 8 miles of plowed in 3" HDPE conduit, 2,789' of bored casing and, 100k'+ of conductors. Seven new load centers were installed in support of the luminaires and high towers. To save time and reduce the impact of road closures on the travelling public, a

Chinook CH47 helicopter was utilized to lift and place the 6 high towers onto their bases. Use of the helicopter reduced the time and number of temporary road closure impacts to an estimated 52,000 daily commuters on this busy stretch of highway. Project was completed ahead of schedule, within budget and with zero recordable accidents.



Ted Stevens AIA ANC Runway 7L / 25R Rehabilitation Project

Owner: SOA DOT/PF

General Contractor: Granite Construction

GC Contact Name: Jeremy Hensen Ph: (907) 344-2945

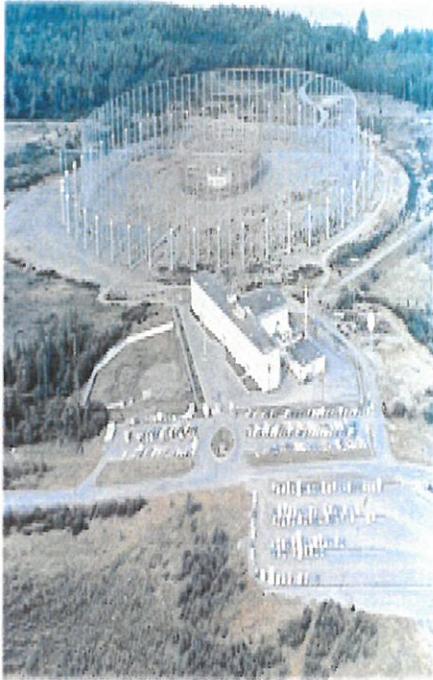
Contract Amount: \$6,782,728.00

Percent Complete: 100%

Percent Subcontracted: 0.00%

Beginning & Completion Date: 5/1/15 to 6/30/16

This technically difficult \$6.8mm project consisted of total replacement and upgrade of runway 7L and 25R runway lighting system and signage at AIA while the surrounding airfield remained active throughout each phase of work. Project was completed on time, within budget and with zero recordable accidents.



Repair/Renovate Networks Operations Center

Owner: 673rd CES

General Contractor: Frawner Corporation

GC Contact Name: Eric Kozlowski Ph: (907) 229-8625

Contract Amount: \$1,017,790.00

Percent Complete: 100%

Percent Subcontracted: 23%

Beginning & Completion Date: 9/28/2017 to 2/5/2019

This collaborative design build project was located inside a high security building within the perimeter of a JBER restricted entry-controlled area. Our scope of work required demo of the antiquated electrical systems and upgraded replacement of all existing electrical conduits, secondary feeder cabling, and branch circuitry. Included replacement of 500Kva transformer and installation of three 480v Power Distribution Units. Included modifying switchboard cabinets to accommodate new breakers. Replacement of SWB cabling. Lighting was upgraded to LED luminaires.

Telecommunications cabling and fire alarm system with new devices including install of a VESDA system. Working within this secure

facility created the daily challenge of access for pre-authorized personnel only.

Normal communications between the office and crew was a challenge as portable electronic devices i.e. cell phones and cameras were not allowed within the perimeter. This project had unique technical challenges due to the facility's compartmentalized mission critical equipment room requiring redundant power systems interconnected via three 480V Power Distribution Units while remaining 100% functional over the course of our work with only one shutdown allowed. The shutdown was completed successfully without incident upon startup. Project was completed with zero recordable incidents, on time and within budget.

Item B: Medium Voltage Work

Two projects are included here that demonstrate our medium voltage construction and maintenance capabilities, scalability, and our experience coordinating with local electric utilities and facility users to minimize disruptions to their operations.



Andeavor Kenai Refinery Substation Upgrade PH 2

Owner: Homer Electric

General Contractor: Northern Powerline Constructors

GC Contact Name: Jason Hodges Ph: (907) 344-3436

Contract Amount: \$250,652.00

Percent Complete: 100%

Percent Subcontracted: 0%

Beginning & Completion Date: 4/17/2018 to 9/28/2018

This fast track project required installation, cabling, terminations, and control wiring of the below listed gear and equipment to support critical operations at the Andeavor refinery in Kenai.

- 115/24.9kV Transformer with make-up oil
- 123kV MEPPi SF6 Circuit Breakers including SF6 bottles
- 27kV MEPPi Vacuum Circuit Breaker
- 115kV Group Operated Air Switches
- 115kV Oil-Filled Instrument Voltage Transformers
- 25kV Switches
- 25kV Instrument Voltage Transformers
- 25kV and 115kV Steel Structures
- Relay Panels and loose relays and nameplates for existing relay panel modifications



Point Hope PHO Phase II & III

Owner: North Slope Borough
General Contractor: Northern Powerline Constructors
GC Contact Name: Jason Hodges (907) 344-3436
Contract Amount: \$1,216,880.00
Percent Complete: 100%
Percent Subcontracted: 0.0%
Beginning & Completion Date: 9/2016 to 11/2017

This \$1.2M project's SOW included demo and installation of new electrical services for 300 residential and commercial units. In addition, replacement of the electrical distribution grid was performed in conjunction with Northern Powerline Constructors. Adding to the typical Alaska logistical problems of weather and remote location was the scheduling of power outages at 300 residential and commercial units in order to demo and immediately replace the electrical services during winter conditions. Project was completed on time, within budget and with zero recordable accidents.

Item C: Prepackaged Generator Installations

Four projects are included here that include recent installations of a range of generator sizes and switchgear and controls configurations. Our expertise and workmanship have earned us ongoing work with the State of Alaska and MasTec / AT&T, with nearly 2 dozen additional installations scheduled throughout Alaska in 2019 and 2020.

JSOB Generator Installation

Owner: State of Alaska
General Contractor: Carver Construction
Owner Contact Name: SOA Brent Fagerstrom 907-465-6877
Contract Amount: \$735,717.56
Percent Complete: 100%
Percent Subcontracted: 0%
Size: 900 KW
Completed in 2016
Scope: Installation of new generator, ATS and switchgear, including feeders and control wiring.

Community Building Generator Installation

Owner: State of Alaska

General Contractor: Chatham Electric (wholly owned NPC subsidiary)

Owner Contact Name: SOA Brent Fagerstrom 907-465-6877

Contract Amount: \$157,000.00

Percent Complete: 100%

Percent Subcontracted: 0%

Size: 80 KW

Completed in 2017

Scope: Installation of new generator, ATS and switchgear, including feeders and control wiring.

Petersburg Standby Generator Installation

Owner: AT&T / MasTec Network Solutions

General Contractor: Chatham Electric (wholly owned NPC subsidiary)

Owner Contact Name: MasTec – Brian Whetsone 907-222-0963

Contract Amount: \$34,815.00

Percent Complete: 100%

Percent Subcontracted: 0%

Size: 30 KW

Completed in 2018

Scope: Installation of new standby generator, ATS and controls

Lemon Creek Emergency Generator Installation

Owner: AT&T / MasTec Network Solutions

General Contractor: Chatham Electric (wholly owned NPC subsidiary)

Owner Contact Name: MasTec – Brian Whetsone 907-222-0963

Contract Amount: \$31,715.00

Percent Complete: 100%

Percent Subcontracted: 0%

Size: 30 KW

Completed in 2018

Scope: Installation of new emergency generator, ATS and controls

Item D: Project Approach

Sections ii and iii - Narrative

Upon receipt of contract award and notice to proceed NPC will review the project site in detail to produce a job site hazard assessment and implement site specific safety plan. We will verify existing conditions per the general notes A & H on Sheet E0.2 to ensure there are no unforeseen issues and develop a plan to maintain reliable site electric service during the various phases of the work.

A temporary power plan must be devised, submitted, approved & executed at the beginning of the project. This scope includes moving CTS1/CTT1/ CTT2 & CTS2/CTT4 to the West side of the building. CTT4 & Panel 1L can be removed permanently during this phase. Panel 1H, 2H & 2L will be relocated to the West side exterior of the building. Panel XE and the small transformer feeding Panel XE will also be relocated to the exterior of the building. Indoor rated equipment relocated to the exterior will be protected from the elements as applicable. All existing loads that the maritime facility wishes to keep active will be extended from the inside of the building to the relocated equipment. An outage for this work will be scheduled in advance and coordinated with terminal operations. Temporary fence will be installed from the corners of the West side of the building to create a safe and secure zone for the temporary power installation.

The existing generator and all associated existing electrical equipment can be removed at this time and building repairs can be completed. This plan will allow all the civil and underground electrical work to be completed before October 31st, 2019. This work will include the concrete pads, equipment, conduits, conductors, terminations & some testing of CTS1, CTT1, MDP, & HR2. The generator pad, all the reefer pedestal work, and all work inside the building can be completed at that time.

Milestone date for all civil work to be completed: September 30th, 2019.

Milestone date for all electrical underground work to be completed based on generator ETA: October 31st, 2019.

Installation of CTS1, CTT1, MDP, HR2, & Reefer pedestals will be accomplished as the equipment becomes available on the site.

Approximate ETA of the Cummins Generator is September 23rd, 2019 based on information provided by the manufacturer at bid time. The generator will be installed on the pad upon its arrival by barge and all remaining electrical conduit, conductors & termination work will be completed. We would anticipate generator commissioning on about November 5th, 2019. Panel HA, Panel HR1, and GEN Panel work will be completed, and all temporary feeders and branch circuits will be transferred over to the new system at this time. Removal of the temporary service and any remaining testing and commissioning will be completed, and we will coordinate O&M delivery and training with the project.

Critical milestone dates and activities:

- Notice of Intent to Award: April 2nd, 2019
- Issue PO's for generator & all long lead items: April 3rd, 2019
- Submittal approval for release of switchgear and remaining long lead materials: May 31st, 2019
- Submittal approval for the generator: May 31st, 2019

- Submittal approval for the civil structural foundations: May 31st, 2019
- Submittal approval for seismic shop drawings: May 31st, 2019
- Submittal approval for the arc fault study: May 31st, 2019
- All earthwork & civil work completed by September 30th, 2019
- Outages on or about November 1st, 2019 for temporary cutover to new installation.
- Final contract completion: April 1st, 2020

Section iii - Resume's

Resume's for key personnel assigned to this project are attached under this cover letter. Key personnel on this project include:

- Paul Lantz, General Manager and VP of Operations
- Jim Downs, Estimator and Project Manager
- Sean Wilson, Superintendent

The resumes of these gentlemen outline a successful track record of nearly 80 years collectively of construction and project management experience.

Section iiiii - Safety and Financial Health Information

1. NPC is a recognized industry leader in workplace safety, with an EMR of 0.68 or less for five years running and no lost time or recordable incidents in over 100,000 hours worked in the last 15 months. We are committed to the continued development of our own safe work practices and safety culture because, as our motto states, *Safety Brings You Home*.
2. NPC is exceptionally strong financially. We can provide single project bonding in excess of \$100 million at a rate of 0.4%.
3. NPC staff consists of 9 accounting personnel, 6 estimators and senior project managers, and 12 non-job specific electrical superintendents and general foremen. Three of these individuals, including Mr. Wilson above, possess current electrical administrator licenses.
4. NPC saw 2017 and 2018 combined revenue in excess of \$30 million. We currently have \$11 million under contract and expected to be completed in 2019, and we expect to procure and complete an additional \$8 - \$12 million in contract work in 2019.

NPC has the financial resources, workforce, and experience to deliver your electrical infrastructure projects safely and efficiently. Our clients, including recently the City of Valdez Ports and Harbors Department, receive best-in-class engineering and construction services, commissioning, electrical maintenance, and operational training to ensure the long-term reliability and safety of their electrical assets and facilities.

If you have any questions about our capabilities or qualifications, please don't hesitate to give us a call. Thank you for your consideration.

Paul Lantz, General Manager
NPC Energy Services LLC
907-227-1412

Attachments: Resumes of Paul Lantz, Jim Downs, and Sean Wilson

Paul Lantz
NPC Energy Services LLC
7941 Sandlewood Place
Anchorage, Alaska 99507
(907) 344-3435



Position	General Manager
Areas of Specialization	35 years' experience in the electrical construction industry. Responsible for overall performance of the enterprise including business and project development, strategic acquisitions, contract administration, and project oversight. Assure compliance with quality, regulatory, safety, and performance standards, project specifications, and complete customer satisfaction.
Education	BS Finance W.P. Carey School of Business Arizona State University 1992
Employment History	NPC Energy Services LLC Anchorage, AK November 2012 to present General Manager, VP of Operations Dimond Electric Company Inc. Anchorage, AK May 1998 to October 2012 Project Manager, Estimator Cochran Inc. Seattle, WA 1993 to 1998 Project Manager, Benaroya Hall Design Assist / Construct

Professional Affiliations

National Electrical Contractors Association
Alaska Chapter
Since 1992

Associated General Contractors of Alaska
AGC ADOT&PF Subcommittee
Serving since 2008

Alaska Electrical Health and Welfare Fund
Management Trustee
Serving since 2009

General References

Mark Erickson, General Manager, MassX Excavation Inc.
(907) 770-7752

Mark Nelson, President & CEO, Bristol Bay Industrial
(907) 250-8302

Matt Thorpe, Senior VP of Operations, Alutiiq LLC
(907) 222-9500

Tim Sandstrom, Project Manager, Alaska Energy Authority
(907) 771-3082

Todd Porter, General Manager, QAP
(907) 522-2211

Larry Bell, Chapter Manager, Alaska NECA
(907) 561-1958

QUALIFICATIONS SUMMARY

- Twenty-five years' experience in Construction and Project Management.
- Twenty years of Field Construction experience with an understanding of construction techniques and collaboration with engineers, design professionals and contractors.
- Interpretation and implementation of drawings, specifications, work plans and schedules for electrical, civil, structural and mechanical projects.
- Managing relationships with owner representatives, architects, engineers and clients on a professional level while ensuring quality control, safety plans, and methods are used at all levels.
- Establish and maintain Best Management Practices, and working relationships with government, state and local building authorities.
- Well organized, detail oriented and dedicated to providing high quality service in all aspects of construction projects.
- Work with clients in formulating project SOW's.
- Write proposals, formulate cost estimates, budgets, and maintain project schedules.
- 25-year track record of success in developing team-oriented projects with clients, subcontractors and vendors.

EMPLOYMENT

- 2016 – Present NPC Energy Services, LLC. Project Manager/Estimator
- 2007 – 2016 Tatitlek Construction Services. Project Manager/Estimator
- 2006 – 2007 Tatitlek Contractors, Inc. Site Superintendent/Project Manager
- 2004 – 2006 CCI, Site Superintendent (remote Alaska)
- 2000 – 2004 TC Enterprises, General Foreman
- 1992 – 2000 Silverbay, Equipment Operator/ Facilities Maintenance
- 1981 – 1989 USAF, Flight line aircraft maintenance
- 5 years WANG – 215th Engineering Squadron, Washington,
- 4 years outside plant wire/comm construction
- E-6 Tech Sergeant
- Honorable discharge at completion of enlistment

EDUCATION

High School Diploma- Graduated 1981

2 years Community College of the Air Force – Personnel Management, Quality Control Practices, Blue print and schematic interpretation and design. 1982-1984

TRAINING/CERTIFICATIONS

- ConEst Estimating Software
- McCormick Systems Estimating Software
- CADD
- Bluebeam Revu Extreme Software
- NFPA 70E Electrical Safety in the Workplace
- Trenching & Excavation
- HAZWOPPER Training
- First Aid / CPR
- Certified Erosion & Sediment Control Lead
- Construction Quality Management
- SWPP Plan writing
- Primavera scheduling/ Contract Management
- Win Est Pro Estimating Software

SEAN WILSON
ANCHORAGE, ALASKA
SUPERINTENDANT

EDUCATION:

- AK Electrical Administrator License EADE2031.
- Completed 3 Year HVAC & Refrigeration Apprenticeship Program
- Completed 4 Year Non-Union Electrical Apprenticeship Program
- Completed 5 Year IBEW Electrical Apprenticeship Program
- AK Licensed Journeyman Electrician License 00117712.

EXPERIENCE SUMMARY:

- 6-1-15 to present. NPC Energy Services. Project Manager/Estimator/Electrical Administrator.
- 8 years Division Manager for Inside Wireman Dept. Oversight of both Anchorage and Fairbanks offices. 20 years acting capacity as Project Manager, Superintendent or General Foreman/Foreman.
- 30 years of experience as a licensed electrician in industrial and commercial work.
- 5 years working experience at Alyeska pipeline, Valdez Marine Terminal, all remote RGV's from Valdez to Fairbanks and all Pump Stations from Valdez to Atigun Pass and Prudhoe Bay.

2001 - 6/1/2015 City Electric, Inc.

- Inside Wireman Division Manager/Project Manager for both Anchorage and Fairbanks.
- Management of 15-50 electricians based on project sizes.
- Administration of both prime & sub-contracts for government and private entities and utilities.
- Interpretation of contract drawings and specifications.
- Administration of contracts, submittals, RFI's, DVCR's shop drawings, asbuilts and red lines.
- Project QC insuring installations are per the contracts and all applicable codes and regulations.
- Ensure company and contracts safety policies are adhered to. Design and implement task specific job hazard analysis as required.

LICENSE & CERTIFICATIONS:

- AK Electrical Administration License. Currently assigned to NPCES LLC.
- AK Electrical Journeyman License
- Winsystems McCormick estimating with EPIC
- Conest estimating
- AK CESCL certification
- CPR/First Aid certified
- OSHA & Hazmat training
- Signs & Symptoms Supervisor training certification. Worksafe.
- Class B CDL License