

Battery Bank Testing and Inspection

1. SCOPE

JEA is accepting bids for a three year contract to perform the following tasks in accordance with NERC Standard PRC-005-6. All tasks must be completed within the months listed without exception. The contracted service provider will perform all inspection and testing services, no subcontracting. The contracted service provider will be required to achieve and maintain JEA Safety Prequalification. All employees of the contracted service provider who require entry into substations must complete the 4-hour JEA Substation Safety Training prior to entry. The Substation Safety Training class is offered on the second Wednesday of each month at 8:00 AM at the JEA Westside Service Center. Contact Joshua Hodges at 904-665-8994 or hodgjd@jea.com to register.

2. Tasks

Task 1: To be completed quarterly in the months of January, April, July, and October for Group 1 batteries.

1. Verify station DC supply voltage
2. Inspect electrolyte level (VLA batteries only)
3. Inspect for unintentional grounds

Task 2: To be completed annually within the months of January, February, or March for Group 2 batteries.

1. Verify float voltage of battery charger
2. Verify battery continuity
3. Verify battery terminal connection resistance
4. Verify battery intercell or unit-to-unit connection resistance
5. Measure battery cell/unit internal ohmic values
6. Inspect physical condition of battery rack

Task 3: To be completed in January and July for Group 3 (VRLA) batteries.

1. Measure battery cell/unit internal ohmic values

Task 4: To be performed for approximately 20 banks per year.

1. Verify that the station battery can perform as manufactured by conducting a performance or modified performance capacity test of the entire battery bank.
 - a. JEA will provide and connect a temporary battery bank for station supply for the duration of each capacity test.

3. REPORTS

1. JEA will receive a full report including test sheets in .pdf format within two weeks of completion of each task.
2. Test reports for each battery bank shall be an individual .pdf with the filename consisting of the battery bank name and date of testing or inspection.
3. Test sheets are to contain data and test results only. Recommendations for further testing or repairs are to be collectively reported on a summary sheet within the full report for each task.
4. All test sheets and reports are to be maintained in a searchable online database accessible via web browser. JEA will be provided with a minimum of seven login credentials.

GROUP 1 BATTERIES

BB CONTROL

BB CT-1 CONTROL

BB CT-1 LUBE

BB CT-2 CONTROL

BB CT-2 LUBE

BB CT-3 CONTROL

BB CT-3 LUBE

BB PDC STRING-1

BB PDC STRING-2

Greenland BOP

Greenland Unit #1

Greenland Unit #2

NSGS - Unit 1 Station

NSGS - Unit 2 Station

NSGS - Unit 3 Station A

NSGS - Unit 3 Station B

NSGS Blackstart Switchgear (48VDC)

NSGS CT-3

NSGS CT-4

NSGS CT-5

NSGS CT-6

GROUP 2 BATTERIES

Anheuser Busch	Grand Park
Arlington	Greenland Sub 230 - 1
Bartram - 1	Greenland Sub 230 - 2
Bartram - 2	Greenland Sub 26
Baymeadows	Greenland BOP
BB CONTROL	Greenland Unit #1
BB CT-1 CONTROL	Greenland Unit #2
BB CT-1 LUBE	Hamilton
BB CT-2 CONTROL	Hartley
BB CT-2 LUBE	Herlong
BB CT-3 CONTROL	Herschel
BB CT-3 LUBE	Hunter Rd.
BB PDC STRING-1	Imeson
BB PDC STRING-2	Jax Heights - 1
Beeghly Heights - 1	Jax Heights - 2
Beeghly Heights - 2	Jaxport - 1
Blount Island	Jaxport - 2
Brandy Branch - 1 (Sub)	Kennedy 26 kV
Brandy Branch - 2 (Sub)	Kennedy 69 kV
Brandy Branch 26kV-1	Kennedy CT-7 Control
Brandy Branch 26kV-2	Kennedy CT-7 Lube
Brooklyn	Kennedy CT-8 Control
Buckmen	Kennedy CT-8 Lube
Cecil Field	Kings Ave - 1
Cecil North - 1	Kings Ave - 2
Cecil North - 2	Lane Avenue
Center Park - 1	Main St.
Center Park - 2	Mandarin - 1
Church St.	Mandarin - 2
College St.	Mayport
Commercial Metals	McDuff
Craven Road	Merrill Rd.
Dillon	Millcove
Dinsmore - 1	Mobile Cart 51575
Dinsmore - 2	Mobile Cart 51585
Eastport	Mount Pleasant - 1
Firestone 230	Mount Pleasant - 2
Firestone 69 & 138	NAS Jax Sub
Forest - 1	Nassau - 1

Forest - 2
Fort Caroline - 1
Fort Caroline - 2
Garden City
GEC (SUB) - 1
GEC (SUB) - 2
Georgia St.
Northshore
Northside Aux (Sub)
Northside Gen (Sub)
Northside Gen -2
Northwest Jax
NSGS BIEB UNIT-1
NSGS BIEB UNIT-2
NSGS Blackstart
Switchgear (48VDC)
NSGS CT-3 N33-JF26-002
NSGS CT-4 N34-JF26-002
NSGS CT-5 N35-JF26-002
NSGS CT-6 N36-JF26-002
NSGS UNIT 1 EBOP LUBE
NSGS UNIT 1 STATION
NSGS UNIT 2 EBOP LUBE
NSGS UNIT 2 STATION
NSGS UNIT 3 EBOP-C
NSGS UNIT 3 STATION-A
NSGS UNIT 3 STATION-B
Oakwood Villa
Orange Park
Ortega
Paxon
Phillips Highway
Picketville
Point Meadows - 1
Point Meadows - 2
Powers
Randall St.
Ribault
Ritter Park
Robinwood - 1
Robinwood - 2
San Pablo
San Souci

Nassau - 2
Neptune
Nocatee - 1
Nocatee - 2
Normandy EV-1
Normandy EV-2
Normandy EV-3
SJRPP - DCP 1 (Sub)
SJRPP - DCP 2 (Sub)
SOCC
Southeast - 1
Southeast - 2
Southpoint
Southside GIS 13kV

Southside GIS 26kV
Southside GIS 69kV
Southside GIS 69kV Relay
Starratt - 1
Starratt - 2
Steelbald New Building
Steelbald Old Building
Switzerland
University Park
Water St.
West Jax - 1
West Jax - 2
Westlake - 1
Westlake - 2

GROUP 3 BATTERIES

Greenland BOP

SUBSTATION LOCATIONS

ANHEUSER BUSCH SUBSTATION	111 Busch Dr Jacksonville FL 32218
ARLINGTON SUBSTATION	6212 Macy Ave Jacksonville FL 32211
BARTRAM SUBSTATION	4503 Race Track Rd St Johns FL 32259
BAYMEADOWS SUBSTATION	7601 Southside Blvd Jacksonville FL 32256
BEEGHLY HEIGHTS SUBSTATION	14153 Urn Rd Jacksonville FL 32218
BLOUNT ISLAND SUBSTATION	5740 Gateco Blvd Jacksonville FL 32226
BRANDY BRANCH POWER PLANT	15701 W Beaver St Jacksonville FL 32234
BROOKLYN SUBSTATION	1798 Broadway Ave Jacksonville FL 32209
CECIL COMMERCE SUBSTATION	13701 Waterworks St Jacksonville FL 32221
CECIL FIELD SUBSTATION	10471 103rd St JACKSONVILLE FL 32210
CENTER PARK SUBSTATION	2797 Kernan Blvd N Jacksonville FL 32225
CHURCH STREET SUBSTATION	1015 W Church St Jacksonville FL 32204 831 College St

COLLEGE STREET SUBSTATION	Jacksonville FL 32204
COMMERCIAL METALS SUBSTATION	2038 LANE AVE N JACKSONVILLE FL 32254
CRAVEN ROAD SUBSTATION	4388 Sunbeam Rd Jacksonville FL 32257
DILLON SUBSTATION	4215 Talleyrand Ave Jacksonville FL 32206
DINSMORE SUBSTATION	7880 Woodley Road Jacksonville FL
EASTPORT SUBSTATION	9323 Eastport Rd Jacksonville FL 32218
FAIRFAX SUBSTATION	3000 Fairfax St Jacksonville FL 32209
FIRESTONE SUBSTATION	6878 Firestone Rd Jacksonville FL 32244
FOREST SUBSTATION	10569 Forest Blvd S Jacksonville FL 32246
FORT CAROLINE SUBSTATION	12337 McCormick Rd Jacksonville FL 32225
GARDEN CITY SUBSTATION	2961 Armsdale Rd Jacksonville FL 32218
GEORGIA STREET SUBSTATION	637 N Georgia St Jacksonville FL 32202
GLOBAL SHREDDING SUBSTATION	16770 Rebar Rd Jacksonville FL 32234
GRAND PARK SUBSTATION	2930 W 20th St Jacksonville FL 32254
GREENLAND ENERGY CENTER	6850 Energy Center Dr Jacksonville FL 32256
GREENLAND SUBSTATION	14402 Old Saint Augustine Rd Jacksonville FL 32258

HAMILTON SUBSTATION	4534 Lexington Ave Jacksonville FL 32210
HARTLEY ROAD SUBSTATION	3919 Hartley Rd Jacksonville FL 32257
HERLONG SUBSTATION	7424 Wiley Rd Jacksonville FL 32210
HERSCHEL STREET SUBSTATION	3751 Herschel St Jacksonville FL 32205
HUNTER ROAD SUBSTATION	4223 Adirof Rd Jacksonville FL 32207
IMESON CENTER SUBSTATION	1 Imeson Park Blvd Jacksonville FL 32218
IMESON SUBSTATION	601 Heckscher Dr Jacksonville FL 32226
IVY STEEL SUBSTATION	3165 W 20th St Jacksonville FL 32254
JAX HEIGHTS SUBSTATION	9800 Alvin Rd S Jacksonville FL 32222
JAXPORT SUBSTATION	5411 William Mills St Jacksonville FL 32226
KENNEDY GENERATING STATION	4215 Talleyrand Ave Jacksonville FL 32206
KINGS AVENUE SUBSTATION	1756 Kings Ave Jacksonville FL 32207
LANE AVENUE SUBSTATION	1014 Lane Ave S Jacksonville FL 32205
MAIN STREET SUBSTATION	1055 Main St N Jacksonville FL 32206
MANDARIN SUBSTATION	3476 Loretto Rd Jacksonville FL 32223

MAYPORT SUBSTATION	2972 Mayport Rd Jacksonville FL 32233
McDUFF SUBSTATION	1030 McDuff Ave S Jacksonville FL 32205
MERRILL ROAD SUBSTATION	7730 Merrill Rd Jacksonville FL 32277
MILLCOVE SUBSTATION	1428 Millcoe Rd Jacksonville FL 32225
MONCRIEF SUBSTATION	8500 Moncreif Rd W Jacksonville FL 32219
MT PLEASANT SUBSTATION	831 Kernan Blvd Jacksonville FL 32225
NASSAU SUBSTATION	85960 Wilson Neck Dr Yulee FL 32097
NAVAL AIR STATION SUBSTATION	7001 Roosevelt Blvd Jacksonville FL 32212
NEPTUNE SUBSTATION	1012 Strickland Rd Neptune Beach FL 32266
NORMANDY SUBSTATION	9801 Crystal Springs Rd Jacksonville FL 32221
NORTHSHORE SUBSTATION	5122 Springfield Blvd Jacksonville FL 32208
NORTHSIDE AUXILIARY SUBSTATION	4377 Heckscher Dr Jacksonville FL 32226
NORTHSIDE GENERATING STATION	4377 Heckscher Dr Jacksonville FL 32226
NORTHWEST JAX SUBSTATION	4700 Pearce St Jacksonville FL 32209
OAKWOOD VILLA SUBSTATION	439 Bowlan St Jacksonville FL 32211

ORANGE PARK SUBSTATION	733 Shaw St Orange Park FL 32073
ORTEGA SUBSTATION	4450 Verona Ave Jacksonville FL 32210
PARK & KING SUBSTATION	2658 Gale Ct Jacksonville FL 32204
PAXON SUBSTATION	1607 Lane Ave N Jacksonville FL 32254
PHILLIPS HWY SUBSTATION	7601 Phillips Hwy Jacksonville FL 32256
PICKETTVILLE SUBSTATION	6901 Old Kings Rd Jacksonville FL 32219
POINT MEADOWS SUBSTATION	7740 Point Meadows Dr Jacksonville FL 32256
POWERS AVENUE SUBSTATION	6266 Powers Ave Jacksonville FL 32217
RANDALL STREET SUBSTATION	3065 Randall St Jacksonville FL 32205
RIBAULT SUBSTATION	4205 Soutel Dr Jacksonville FL 32208
RITTER PARK SUBSTATION	131 Noah Rd Jacksonville FL 32218
ROBINWOOD SUBSTATION	10327 Alden Rd Jacksonville FL 32246
ROSSELLE SUBSTATION	2640 Rosselle St Jacksonville FL 32204
SAN PABLO SUBSTATION	13865 Wm Davis Pkwy Jacksonville FL 32224
SAN SOUCI SUBSTATION	8070 Hogan Rd Jacksonville FL 32216

SJRPP GENERATING STATION	11201 New Berlin Rd Jacksonville FL 32226
SOUTHEAST JAX SUBSTATION	9999 Chester Lake Dr Jacksonville FL 32256
SOUTHPOINT SUBSTATION	7551 Salisbury Rd Jacksonville FL 32256
SOUTHSIDE SUBSTATION	801 Broadcast Pl Jacksonville FL 32207
ST JOHNS PARK SUBSTATION	4461 St. Johns Ave Jacksonville FL 32210
STARRATT ROAD SUBSTATION	14740 Yellow Bluff Rd Jacksonville FL 32226
STEELBALD SUBSTATION	16770 Rebar Rd Jacksonville FL 32234
SWITZERLAND SUBSTATION	5145-1 Longleaf Pine Pkwy St Johns FL 32259
TWENTY FIRST & HUBBARD SUBSTATION	205 E 21st St Jacksonville FL 32206
UNIVERSITY PARK SUBSTATION	5913 Fort Caroline Rd Jacksonville FL 32277
WATER STREET SUBSTATION	1 Independent Dr Jacksonville FL 32202
WEST JAX SUBSTATION	1901 Pickettville Rd Jacksonville FL 32220
WEST LAKE SUBSTATION	5040 Jones Rd Jacksonville FL 32219

**APPENDIX B – BID FORM
REQUEST FOR QUOTE – 99917
Substation Battery Bank Testing and Inspection**

Submit by email to: behrvj@jea.com by the Due Date listed in the Solicitation

Company Name: _____

Company's Address _____

Phone Number: _____ FAX No: _____ Email Address: _____

BID SECURITY REQUIREMENTS

- None required
 Certified Check or Bond (Five Percent (5%))

TERM OF CONTRACT

- One Time Purchase
 Annual Requirements – 3 yrs, w/ 2 optional 1yr renewals
 Other, Specify-

SAMPLE REQUIREMENTS

- None required
 Samples required prior to Bid Opening
 Samples may be required subsequent to Bid Opening

SECTION 255.05, FLORIDA STATUTES CONTRACT BOND

- None required
 Bond required 100% of Bid Award

QUANTITIES

- Quantities indicated are exacting
 Quantities indicated reflect the approximate quantities to be purchased Throughout the Contract period and are subject to fluctuation in accordance with actual requirements.

INSURANCE REQUIREMENTS

Insurance required

PAYMENT DISCOUNTS

- 1% 20, net 30
 2% 10, net 30
 Other _____
 None Offered

#	ENTER YOUR BID FOR THE RFQ 99917 SERVICES	TOTAL BID PRICE
	TOTAL PRICE FROM THE BID WORKBOOK	\$ _____

BIDDER CERTIFICATION

____ I have read and understood the Sunshine Law/Public Records clauses contained within this solicitation. I understand that in the absence of a redacted copy my proposal will be disclosed to the public "as-is".

By submitting this Bid, the Bidder certifies that it has read and reviewed all of the documents pertaining to this Solicitation, that the person signing below is an authorized representative of the Bidder's Company, that the Company is legally authorized to do business in the State of Florida, and that the Company maintains in active status an appropriate contractor's license for the work (if applicable). The Bidder also certifies that it complies with all sections (including but not limited to Conflict Of Interest and Ethics) of this Solicitation, and that the Bidder is an authorized distributor or manufacturer of the equipment that meets the Technical Specifications stated herein.

We have received addenda _____

_____ Handwritten Signature of Authorized Officer of Company or Agent _____ Date

_____ through _____

_____ Printed Name and Title

APPENDIX B – MINIMUM QUALIFICATION FORM
99917 – Substation Battery Bank Testing and Inspection

GENERAL

THE MINIMUM QUALIFICATIONS SHALL BE SUBMITTED ON THIS FORM. IN ORDER TO BE CONSIDERED A QUALIFIED RESPONDENT BY JEA YOU MUST MEET THE MINIMUM QUALIFICATIONS LISTED BELOW, AND BE ABLE TO PROVIDE ALL THE SERVICES LISTED IN THIS SOLICITATION.

THE BIDDER MUST COMPLETE THE BIDDER INFORMATION SECTION BELOW AND PROVIDE ANY OTHER INFORMATION OR REFERENCE REQUESTED. THE BIDDER MUST ALSO PROVIDE ANY ATTACHMENTS REQUESTED WITH THIS MINIMUM QUALIFICATIONS FORM.

PLEASE SUBMIT THIS FORM AND ANY REQUESTED ADDITIONAL DOCUMENTATION WITH THE BID SUBMISSION ELECTRONICALLY TO JASON BEHR AT BEHRJV@JEA.COM.

BIDDER INFORMATION

COMPANY NAME: _____

BUSINESS ADDRESS: _____

CITY, STATE, ZIP CODE: _____

TELEPHONE: _____

FAX: _____

E-MAIL: _____

PRINT NAME OF AUTHORIZED REPRESENTATIVE: _____

SIGNATURE OF AUTHORIZED REPRESENTATIVE: _____

TITLE OF AUTHORIZED REPRESENTATIVE: _____

MINIMUM QUALIFICATIONS:

- o The Bidder shall be in the successful performance of three (3) similar contracts on the bid due date.
- o A similar contract is defined as providing testing and inspection of utility battery banks per NERC Standard PRC-005-6 and providing the results via searchable, password protected, online database accessible via web browser. Each contract must be greater than \$45,000.00 per contract.

Please provide the reference verification information requested below pertaining to the projects.

APPENDIX B – MINIMUM QUALIFICATION FORM
99917 – Substation Battery Bank Testing and Inspection

1. REFERENCE

Reference Name _____

Reference Phone Number _____

Reference Company Name _____

Address of Work _____

Reference E-Mail Address _____

Dates of Work/\$ Amount _____

Description of Work _____

2. REFERENCE

Reference Name _____

Reference Phone Number _____

Reference Company Name _____

Address of Work _____

Reference E-Mail Address _____

Dates of Work/\$ Amount _____

Description of Work _____

APPENDIX B – MINIMUM QUALIFICATION FORM
99917 – Substation Battery Bank Testing and Inspection

3. REFERENCE

Reference Name _____

Reference Phone Number _____

Reference Company Name _____

Address of Work _____

Reference E-Mail Address _____

Dates of Work/\$ Amount _____

Description of Work _____
