

NASS FAMILY OF COMPANIES LINE CARD

The NASS Family safely performs work on over 2,500 transformers and 500 breakers every year on voltages up to 765kV

TRANSFORMERS

- New Assemblies/ Oil Processing/ Commissioning Testing
- Turnkey Transformer Decommission and Replacement
 - Service Aged Repair and Maintenance Services
 - Full Range of Diagnostic Testing Services
 - Oil/ Gas Leak Repairs
 - Bushing Replacements
 - Cooling System Upgrades
 - Protection and Control System Upgrades
 - Condition Monitoring Installation
 - Hot Oil Degasification Processing
 - Mineral Oil/ FR3
 - Fullers Earth
 - Internal Inspection and Repairs
 - Internal Lead Connections
 - Winding and Core Compression
 - Insulation and Clearance
 - DETC Inspections
 - Rust Remediation and Painting
 - Lead Paint Encapsulation
- Preventative Maintenance Programs
 - Scheduled Asset Inspections
 - Scheduled Electrical Testing
 - Scheduled oil Sampling
- LTC Services
 - Condition Assessment Inspections
 - Maintenance Services
 - Upgrades and Retrofit Services
 - Dehydrating Breather Installations
 - Oil Filtration Installations

Ask us about our Transformer Life Extension Program to hit key markers for significant betterment of these high value assets

BREAKER AND SWITCHGEAR SERVICES

- New Assemblies/ Oil and SF6 Processing/ Commissioning Testing
- Turnkey Decommission and Replacement
- Service Aged Repair and Maintenance Services
 - Oil, Gas, Vacuum, Metal Clad Breaker Services
 - Full Range of Diagnostic Testing Services
 - Oil/ Gas Leak Repairs
 - Parts and component Replacements
 - Protection and Control System Upgrades
 - Condition Monitoring Installation
 - Hot Oil Degasification Processing
 - Rust Remediation and Painting
 - Lead Paint Encapsulation
 - Station Apparatus Testing Services
 - CT/ PT/ CVT Testing
 - Disconnect Switch Testing
 - Motor Operated Switch - Cam setup, timing, testing
- Preventative Maintenance Programs
 - Scheduled Asset Inspections
 - Scheduled Electrical Testing
 - Scheduled oil and gas Sampling and analysis



PROTECTION AND CONTROL

- Relay Element Testing
- Relay Logic Testing
- Specialty Testing
- Witness Testing
- Battery Services
 - Dual Tap 28/125V Battery Trailer Supports Online
 - Standard NERC maintenance and Load Bank Testing
- Commissioning Support
- Condition Assessments
- NERC Compliance Testing



NASS BY THE NUMBERS

A combined
1,300+
years of substation experience
across 45-person field-based
leadership team



350+ field-based
employees
nationally

600,000+
hours of hands-on substation
equipment serviced annually



40,000+ hours of employee safety
and skill set training
completed annually

2,000+
substation
improvements
completed
annually



NASS FAMILY OF COMPANIES LINE CARD

UTILITY GRADE CONTROL CABINETS

- Custom Replacement Control Cabinets for All Substation Assets
 - Complete Cabinet Replacements
 - Component upgrade for existing cabinets
- New Small, Medium, Larger Power Transformer Control Cabinets

Ask us about Improving worker safety and Human Performance benefits of our Control Cabinet Standardization Program



UTILITY SKILLS TRAINING

- Customized Programs with CE Credits
 - Substation Safety
 - Transformer Maintenance and Testing
 - LTC Maintenance and Testing
 - Breaker Maintenance and Testing
 - Switch Maintenance and Testing
 - P&C Engineering/ Design/ Installation and Testing
 - Substation Personal Protective Testing and Grounding

OTHER SUBSTATION SERVICES

- Fiber Optic Testing OTDR
- Field Based Project Management and Safety Oversight
- GIS Services
 - SF6 Leak Testing and Bus Processing
 - Component Gassing, Timing and Electrical Testing of GIS Breakers
- Ground Grid Testing/Analysis/Repairs/Full overlay
- Generation Plant ISO-Phase bus Testing and Inspections
- Substation Inspections Including Digital Reporting Via Online Asset Registry with Condition Assessments

ENGINEERING SERVICES

- Asset Failure Analysis
- Relay Panel Design and Fabrication
- Onsite Factory Inspections
- Protection and Control Design
- Protection and Automation Relay Settings
- Factory Acceptance Testing



HISTORY OF NASS

