

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2025-014
Item to be Scouted	Large Power Transformer
Days to be scouted	30
Response Due By	02/07/2025
Description	230kV to 765kV Transformers to be used in new substation and transmission line. Grid Deployment Office (GDO) is scouting for recipients of any available domestic large power transformers.
Notify Requester Immediately	
State item to be used in	Minnesota

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Electrical / Mechanical Assembly to meet the BABA domestic percentages for manufactured products
Provide dimensions / size / tolerances / performance specifications for the item	various - see attached sheet for additional information
List required materials needed to make the product, including materials of product components	electric grade steel
Are there applicable certification requirements?	Yes
Certification(s) required	IEEE
Are there applicable regulations?	Yes
Details	BABA compliant
Are there any other standards, requirements, etc.?	No
NAICS 1	335311 Power, distribution, and specialty transformer manufacturing
NAICS 2	
Additional Technical Comments	

Section 4: Business Information

Estimated potential business volume	1 of each: 230kV, 345kV, and 765kV large power transformer
Estimated target price / unit cost information (if unavailable explain)	\$2-\$6 million
When is it needed by?	6 months to 12 months
Describe packaging requirements	depends, varies as needed and applicable
Where will this item be shipped?	Various, for Bipartisan Infrastructure Law (BIL) funded projects recipients under Department of Energy's Grid Deployment Office

Additional Comments

Is there other information you would like to include?

For questions or additional information on BABAA guidance, please contact

Jody Wootton
BABA-MAX@hq.doe.gov

or

Robert Bartolo
robert.bartolo@hq.doe.gov as alternate email address



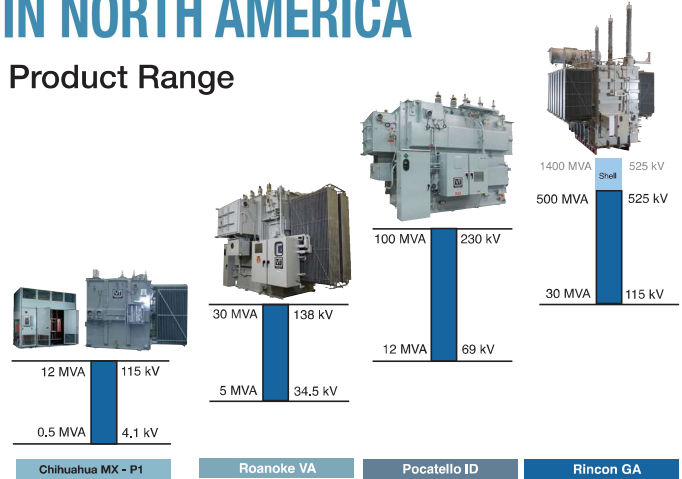
VIRGINIA - GEORGIA TRANSFORMER
ONE SOURCE-ONE COMMITMENT

OVERVIEW WHAT WE OFFER

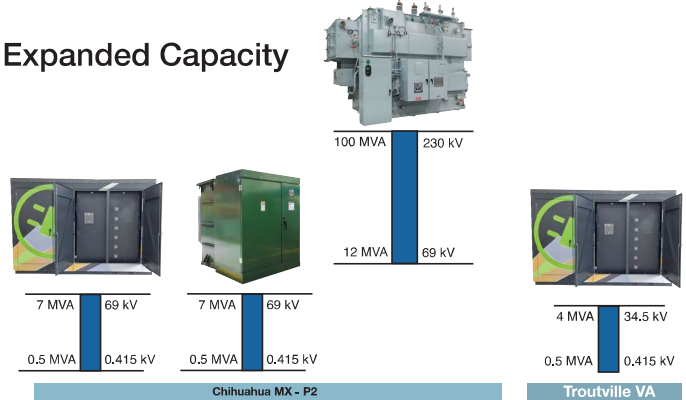
FIVE (5) MANUFACTURING PLANTS IN NORTH AMERICA

With five manufacturing plants
in North America,
Virginia - Georgia Transformer
is the largest US-owned
manufacturer of power
transformers and offers the
broadest product range.

Product Range



Expanded Capacity



67,000 MVA ANNUAL CAPACITY

KEY BENEFITS

- No delay in start up - Savings (\$\$)
- No failure due to internal defects - Savings (\$\$)
- Can offer 5, 10, 15-year warranty (Peace of mind)
- Prompt, hassle-free warranty service - Savings (\$\$)

PRODUCT RANGE

Up to 400 MVA 525 kV

BIL 1675 kV

LTC / DETC

Medium Power Transformers

Large Power Transformers

GSU Transformers

Auto-Transformers

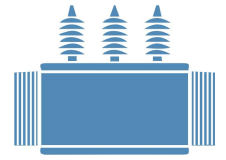
Padmount Transformers

Traction Transformers

Rectifier Transformers

- Torqued bolts with pre-compressed washers to maintain contact pressure
- Selection of pressure points on the end ring to apply uniform pressure on the coil
- Coil compression using hydraulic isostatic technology
- Robotic welding technology
- Leak-free nitrogen system
- Polyurethane on epoxy paint systems
- Lifting eyes and jacking pads for protection from paint damage
- Checking contact resistance of crimps
- Touch-up paint for incidental use
- Installation video
- Winding tension for short-circuit strength
- VCM to monitor moisture and hydrogen – sends signals for diagnosis / lifetime assessment
- Rounded metal edges
- Corona shields on bolt heads
- Testing of DETC and switches for ease of turning – not binding
- Secured the shaft of DETC from disengaging
- Lifting lug designed with safety factor 5
- Laser assembly of core and coil to maintain alignment for clearance uniformity
- End rings designed to absorb short-circuit force
- Oil moisture PPM and dielectric assurance

OUR FACILITIES



VTCR - Roanoke, Virginia

Our corporate headquarters was designed and constructed specifically to produce power transformers. This 145,000-square-foot manufacturing facility is absolutely state-of-the-art. **ISO 9001:2015**



VTC - Troutville, Virginia

An extension of the Roanoke facility, the tank fabrication, sand blasting, and paint process were relocated to this 125,000-square-foot building in December 2013. The tank fab plant is equipped with a welding robot that delivers leak-free welds. **ISO 9001:2015**



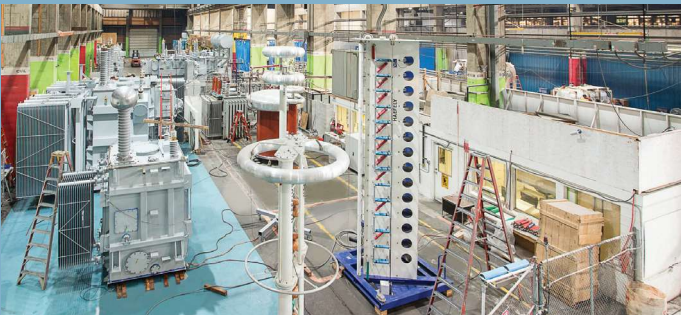
VTCW / P1 - Chihuahua, Mexico

The 82,000-square-foot plant is a modern facility equipped to produce small power and liquid-filled transformers. They have achieved 100% First Pass Yield and 100% on-time Ready to Ship ratings. **ISO 9001:2015**



VTCW / P2 - Chihuahua, Mexico

In operation since late 2022, our newest facility features four production lines that quadruple capacity for E2X pad-mounted transformers. P2 also manufactures distribution transformers up to 35 kVA, 7.5 MV; Integrated Power Modules; and dry-type transformers up to 35 kVA, 150 BIL, up to 7.5 MVA. The facility is more than 300,000 square feet.



VTCU - Pocatello, Idaho

We acquired this 180,000-square-foot plant in 2003 from UST West when it was a repair facility. After investing in upgrades at the plant, it is the best-equipped medium power transformer plant in America. **ISO 9001:2015**



Georgia Transformer Corp. - Rincon, Georgia

Acquired in 2015, this 250,000-square-foot facility is a state-of-the-art temperature-controlled environment. World-class practices and technology allow the plant to produce our largest transformers with a 60-year service life. **ISO 9001:2015**

FIELD SERVICE

Field installations, maintenance, and repairs for electrical substations are performed by experienced design engineers and service specialists.

TESTING

A full array of tests including inspection, analysis and recommendations for peak operation are available.

Virginia Transformer Corp

Georgia Transformer

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