

Grand River Dam Authority and the MidAmerica Industrial Park

- The Grand River Dam Authority provides reliable, competitively-priced electricity to the many industries of the MidAmerica Industrial Park (MAIP).
- GRDA has been providing electricity to MAIP industries since the park's creation in 1960 and actually provided power to the Oklahoma Ordnance Works facility, on the same site, 25 years before MAIP's creation.
- GRDA's Grand River Energy Center (GREC), including 1,015 MW of electric generation capacity (combined among gas and thermal generation) is located on the southern edge of MAIP.
- Also located adjacent to MAIP, the GRDA Transmission Maintenance Headquarters is home to power line maintenance crews, dedicated to MAIP. The close proximity translates into quick response times and enhanced reliability.



GRDA's MAIP System Reliability:

99.997%

(1/1/14 - 9/1/17)

- Electricity is delivered to MAIP industries via GRDA's robust MAIP infrastructure:
 - **161 kV transmission loop (11.4 miles)**
 - **69 kV transmission loop (12.2 miles)**
 - **13.8 kV distribution feeders (38 miles)**
 - **3 transmission substations**
 - **7 distribution substations**
- Depending on specific customer needs, new delivery points can be served from existing distribution substations/feeders or new facilities constructed on customer sites. The construction of additional electric transmission facilities within MAIP could also accommodate exceptionally large loads.
- The existing 161/69 kV transmission system can support over 900 MVA of industrial load in MAIP. Available service includes:
 - *Primary voltages:* 161 kV and 69 kV
 - *Common secondary voltages:* 277/480 V or 120/208 V, 3-phase
- Single-phase secondary and additional voltage levels of 3-phase service, with approval, are also available.

Key GRDA customers in MAIP:

- American Castings, LLC
- Google
- Orchids Paper Products
- Pryor Chemical Company
- Solae, LLC

Additional GRDA generation assets.

- Hydroelectric: 254 MW
- Pumped storage: 260 MW
- Other gas: 457 MW winter
429 MW summer
- Wind: 248 MW

GRDA's diverse generation portfolio helps keeps rates low and reliability high

For more information:

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GRDA is Oklahoma's state-owned electric utility; fully funded by revenues from electric and water sales instead of taxes.

Created in 1935, GRDA has been producing abundant, reliable and competitively-priced electricity for Oklahoma municipals, industries and electric cooperatives since 1940.

Today, a workforce of 600-plus Oklahomans strive to make GRDA an "Oklahoma agency of excellence" by focusing on the 5 E's: electricity, economic development, environmental stewardship, employees and efficiency.

