

# New Construction

Our specialty is the engineering, procurement and construction of medium- and high-voltage systems.

## Services provided

- Comprehensive analysis, design and interconnecting requirements for substation and distribution systems with the local utility
- System/equipment assessment, equipment and structure specification and procurement
- System planning/load analysis
- Cost estimating
- Economic analysis
- Protective scheme design
- Supervisory Control and Data Acquisition (SCADA) design
- System operation
- Personal Protective Equipment (PPE)/Arc Flash Analysis

## Distribution

We assess your electrical distribution needs and provide complete engineering and design services to ensure your equipment operates effectively with your local utility. We provide electrical designs and installations for outdoor overhead and underground distribution systems. Services include:

- Pole location, height and class specifications
- Total facility design
- Transformer sizing and placement
- Conductor sizing and insulation requirements
- Conduit sizing and placement
- Vault sizing and placement

## Contact Us

To learn how PGE can meet your needs with a customized service package, call 503-464-7111.

## Need emergency services?

Call 503-464-8000 for assistance 24 hours a day.

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## Transmission

- Design and construction of new, replacement and relocated overhead and underground transmission lines
- Detailed engineering assessments of transmission structures and conductors
- Line routing and right-of-way acquisition
- Project management and construction administration

## Permitting with local governing agencies

- Code compliance

## Excavational and directional boring

Our services include fully integrated excavation and boring capabilities using state-of-the-art boring equipment.

## Project management

We provide comprehensive turnkey project management for high-voltage electrical construction or maintenance projects.