



138 kV transmission lines.

Construction Equipment Used

- Expect to see machinery necessary for ground breaking, excavating and tree clearing activities initially.
- Additional equipment will also be required for placing structures and stringing transmission lines.

Timeline

- Appalachian Power plans to complete all work in the Kanawha State Forest by summer 2017.

Protecting Environmental Resources

- Appalachian Power conducted protected species, cultural and historical studies as required in the Kanawha State Forest.
- Wetland delineation and stream identification surveys were completed to minimize impact to water bodies during construction in the Kanawha State Forest.
- Areas of the Kanawha State Forest that are affected by construction will be repaired as close to their original state as possible.



Safety First

- Appalachian Power representatives will install safety barriers and signage in construction areas.
- Flagmen may need to temporarily stop trail users for short periods.

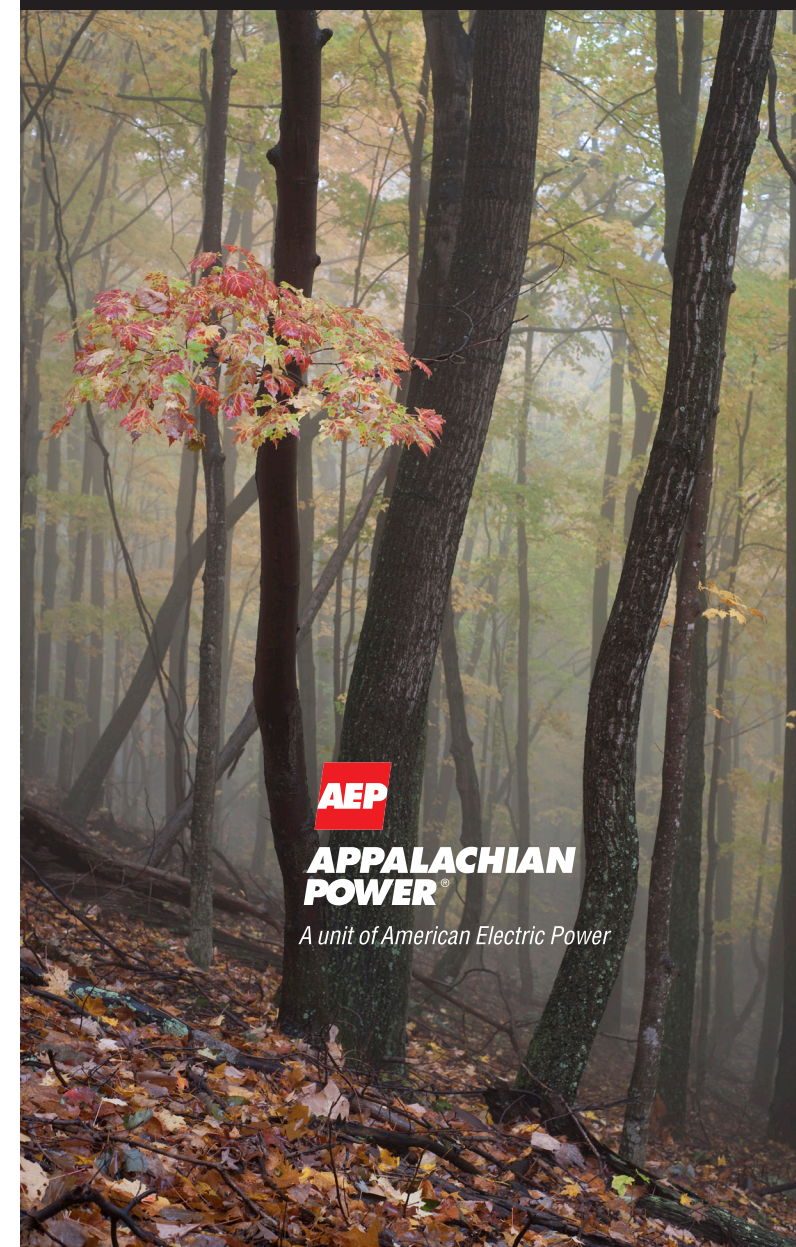
Planned Activities

- If you are planning an event and need construction information please visit www.AppalachianPower.com/KanawhaStateForest and click on the "contact us" link or call 1-800-227-5119.



Kanawha Valley Area Transmission Reinforcement Project

Construction in the Kanawha State Forest



Kanawha Valley Area Transmission Reinforcement Project

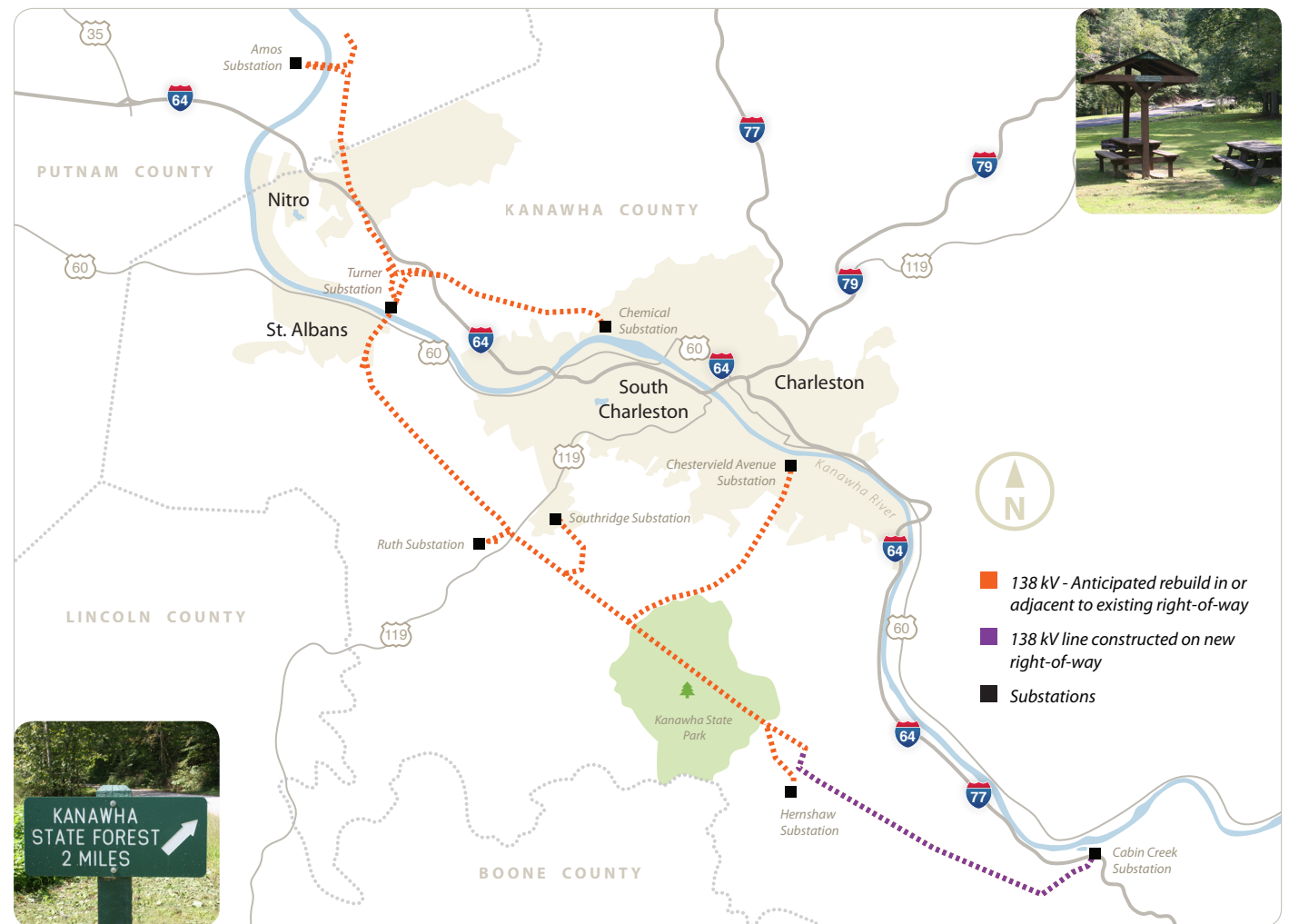
Appalachian Power is dedicated to providing customers with reliable electric service. At times that promise requires equipment to be replaced or upgraded. During times of maintenance or construction, the employees of Appalachian Power adhere to all environmental and cultural issues during planning, rebuilding or constructing electric facilities.

Currently, Appalachian Power is rebuilding transmission structures in the Kanawha State Forest to enhance the region's reliability by upgrading equipment. If you would like additional information about this project, you can find maps and fact sheets at www.AEPTransmission.com.

Project Overview

Upcoming power plant retirements in the Kanawha and Ohio River valleys will change the way electric power flows on the electric transmission grid. With these changes expected as early as 2015, Appalachian Power is taking steps to ensure customers continue to receive reliable service. Appalachian Power affiliate, AEP West Virginia Transmission Company, Inc., is proposing approximately \$337 million in upgrades to the electric infrastructure in West Virginia to strengthen the current grid. The bulk of the work for this project will take place in the Kanawha Valley. Approximately 80 percent of the transmission line rebuild is expected to be constructed within or adjacent to existing rights-of-way.

The last major transmission reinforcement project in this area was done nearly 40 years ago. Current structures, which will be replaced with similar type facilities of the same voltage, were built between the 1920s-1940s.



Construction Details

- Build approximately 5.5 miles of new 138 kV transmission line.
- Construction of 21 new lattice towers utilizing darkened steel to minimize visual impact.
- On average, new structures are 20 feet taller than existing structures.
- Utilize previously acquired right-of-way for construction.
- Remove and retire approximately 11 miles of existing 138 kV transmission line and 49 structures inside the Kanawha State Forest boundary.

- Existing access roads will be used to the extent practical to minimize impact.
- Detailed information on construction locations and updates can be found at www.AppalachianPower.com/KanawhaStateForest or by calling 1-800-227-5119.

