Tenaska, a respected energy developer, is developing a site in northern Lebanon County, Pennsylvania, to construct and operate a state-of-the-art electric generating facility. Fueled by clean-burning natural gas, the plant would bring hundreds of construction jobs, well-paying, full-time operations jobs and power to meet the predicted demand for electricity in the region.

The plant would be operated in an environmentally responsible manner. The Natural Resources Defense Council (NRDC), an environmental organization, has listed Tenaska in benchmarking studies since 2004 as having among the lowest fleet-wide average emission rates for fossil-fueled power plants in the United States.

Electricity Production
Tenaska has based its plan on a 950-megawatt (MW) electric generating facility, although the plant could be smaller. At 950 MW, the plant would produce enough power to meet the energy needs of nearly 1 million homes. The electricity would be sold into the PJM Interconnection regional transmission organization to meet growing regional energy needs.

Facility Site
More than 350 acres have been purchased near the intersection of Hwy 343 and Kercher Avenue in northern Lebanon County. However, the power generating station itself would encompass roughly 50 acres, or about 15 percent of the site. The remainder would remain agricultural or wooded areas.

Economic Impact
If built in Lebanon County, Pennsylvania, the facility would:
- Result in more property tax revenue to local units of government;
- Boost the local economy, with a total estimated direct construction cost of more than $500 million; and
- Create more than 600 jobs during peak construction and approximately 25 well-paying, full-time jobs during operation.

Environmental Effects
Natural gas is recognized as today’s cleanest commercial fossil fuel for power generation. The plant would utilize the latest emission control technology to meet or be better than all local, state and federal environmental standards and permits. The plant would be fuel efficient. At Tenaska’s combined-cycle facilities, the heat and energy produced by combustion of natural gas drives turbine-generators to produce electricity. The exhaust heat from that process is used to produce steam, which drives a steam turbine-generator to produce more electricity without additional fuel.

Key Facts
Tenaska is developing a site in northern Lebanon County to build a clean-burning natural gas-fueled electric generating station with a stated capacity of 950 MW of electricity.

Location
The site selected for evaluation is more than 350 acres near the intersection of Hwy 343 and Kercher Avenue in northern Lebanon County.

Schedule
Earliest construction start in 2015; earliest commercial operation in 2018.

Use of Water Resources
Tenaska Lebanon Valley would use dry (air) cooling, which significantly reduces water consumption compared to traditional wet cooling systems.

Fuel Supply
Existing on-site regional natural gas pipelines would transport clean-burning natural gas to the facility.

Customer
The facility would connect to the PJM Interconnection regional transmission organization, which coordinates movement of power in all or parts of 13 regional states, including Pennsylvania, and the District of Columbia.

Facility Ownership
A Tenaska affiliate is planned to build, own and operate the plant.

About Tenaska
Tenaska is an energy company based in Omaha, Nebraska, with a reputation for building high-quality, efficient and environmentally responsible energy projects. Tenaska develops, constructs, owns and operates non-utility electric generating plants. It oversees operations at 15 natural gas-fueled and renewable power plants in 10 states, totaling approximately 11,000 MW. Tenaska has a regional office near Pittsburgh.

Additional information about Tenaska is available at www.tenaska.com

Project Website
www.tenaskalebanonvalley.com