



# FUELING A **BETTER** TOMORROW

Environmental - Social - Governance



 **SENECA**  
**RESOURCES**  
A NATIONAL FUEL GAS COMPANY



Drilling rig at Appalachia well pad



Producing well pad



Continuous emissions monitoring device

## WHO WE ARE

**Seneca Resources Company, LLC**, the exploration and production segment of National Fuel Gas Company, headquartered in Houston, Texas, explores for, develops, and produces natural gas in the Appalachian Region including the Marcellus and Utica Shales. We have been providing energy and jobs for more than 100 years and remain committed to our core values of safety, environmental stewardship, community, professionalism, teamwork, and technical excellence. **Highland Field Services, LLC**, a wholly-owned subsidiary of Seneca, was established to address the water management needs of Seneca Resources and other operators in the Appalachian Basin.



**1913**  
Founded



**250 +**  
Employees



**1.2 million**  
Net Acres

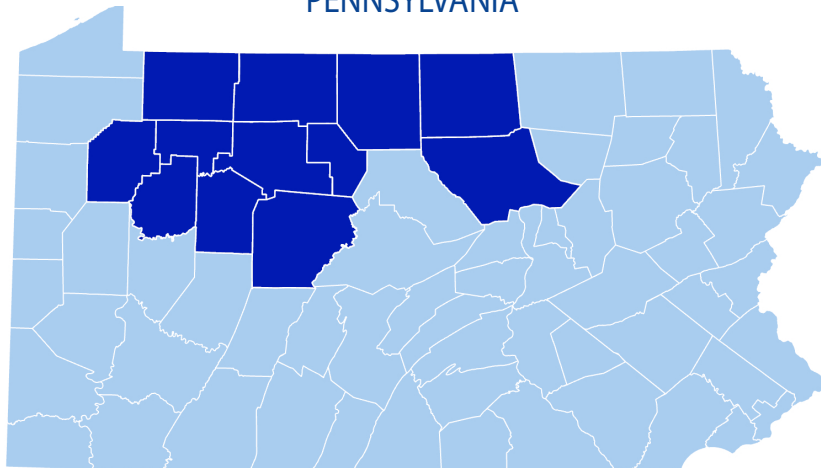


**1 +**  
Bcf/day

## WHERE WE OPERATE

Seneca operates in the Appalachian Basin, which boasts some of the lowest greenhouse gas and methane intensities domestically and internationally. Seneca's ability to develop low-cost and low-emission intensity natural gas reserves in this basin illustrates the sustainability of our operations and positions us well for the future.

### PENNSYLVANIA



## WHAT IS ESG?



### ENVIRONMENTAL

Covers air quality, environmental policies, biodiversity, land protections, water & waste management



### SOCIAL

Includes community involvement, charitable contributions, workplace health & safety, diversity & inclusion, and employee engagement



### GOVERNANCE

Refers to board diversity, ethical & business standards, executive pay and other top-down facets

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## 100% CERTIFIED NATURAL GAS



Seneca Resources has a long history of environmental stewardship, safety, innovation, transparency, and community involvement. In 2021, Seneca began pursuing responsibly sourced gas designations to differentiate our production and provide independent, credible verification of our ESG-related policies, procedures, and practices. Seneca has certified 100% of its Appalachian production under Equitable Origin's EO100™ Standard for Responsible Energy Development and the MiQ Standard for Methane Emissions Performance. The independent frameworks certify natural gas based on both methane emissions and a wide variety of ESG metrics and include regular audits and inspections to ensure Seneca is maintaining the highest standards of environmental and social responsibility.

“

Seneca's Equitable Origin certification validates our long-standing culture and history of environmental responsibility and community engagement.

Justin Loweth, President

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EQUITABLE  
ORIGIN



## ENVIRONMENTAL

As an active exploration and production company for more than 100 years, Seneca and its predecessor companies have worked alongside regulatory agencies and community leaders to foster a culture of respect for and protection of the environment. From up-to-date monitoring to above-and-beyond stewardship, we're committed to fueling a better tomorrow by caring for our environment today.

### Reducing Emissions

Seneca is committed to further reducing its already low methane intensity by 40% by 2030. To help reach this goal, we continue to develop and incorporate best-in-class controls and monitoring procedures.

- Continuous Monitoring Devices & Aerial Methane Detection Surveys
- Natural Gas Pneumatic Device Replacements
- Enhanced Leak Detection & Repair Program
- Techniques & Equipment to Reduce Emissions During Well Unloading

Seneca is always looking for new ways to incorporate green technology into its operations. In 2022, we installed a small solar farm at a producing pad in Elk County, PA, to power a compressed air system that runs the pad's pneumatic devices. The pad is 100% solar-powered during optimal conditions.



Solar farm at well pad  
Elk County, PA

### Water Management

To reduce costs and environmental footprint, Seneca started its own water logistics company, Highland Field Services, to manage a substantial portion of fluids used and produced during operations. In addition to providing unique water resources and recycling solutions, Highland is also pioneering new ways to process and extract critical minerals for beneficial reuse.



Invested more than **\$100 million** in water infrastructure in Pennsylvania



Recycled **over 90%** of Seneca's produced fluid



Use of pipelines has eliminated **thousands** of truck trips, reducing air emissions & impact on local roads

### Biodiversity

Seneca is committed to minimizing impacts on biodiversity and often goes beyond regulatory requirements to understand, maintain, and increase biodiversity throughout our operating area. Our Surface Footprint Neutral Program works to restore, enhance, or protect biodiversity by returning one acre of land to the environment for every acre disturbed by our operations. Seneca works with state agencies and local conservation groups to determine strategies for biodiversity projects and find ways to re-purpose stone, trees, root wads, and other natural materials displaced by well pad and road construction.



Tree planting Surface Footprint Neutral Program



## SOCIAL

Seneca is committed to the well-being of our employees, contractors, and communities and is dedicated to the highest safety and corporate responsibility standards. Our robust corporate responsibility program includes annual charitable contributions and ongoing opportunities for employees to volunteer in their communities. Areas of focus for social investment include: Healthy Communities, Environmental Stewardship, Education, Agriculture, and Emergency Responders.



### Community Outreach

- **1,000+** Volunteer hours by employees annually through our employee volunteer group, **Seneca Serves**
- **100+** Local organizations & causes supported each year



### Community Impact

- **~ \$500 Million** distributed to local communities over the last 5 years through:
  - Charitable Donations & Sponsorships
  - Employee Charitable Giving Program
  - Pennsylvania Impact Fee
  - Royalty Payments
  - State & Local Taxes



### Health & Safety

- **Annual** joint emergency response drills with local agencies
- **Quarterly** Management Audit Program safety inspections
- **Monthly** required safety training for all employees



## GOVERNANCE

Seneca's strong corporate governance structure provides the foundation for our ESG initiatives. Our employees, managers and officers conduct our business under the oversight of the Board of Directors to serve the long-term interests of National Fuel Gas shareholders.

- Diverse, experienced, and independent Board of Directors
- Strong Cybersecurity Program to identify and mitigate security risks
- Comprehensive Code of Business Conduct & Ethics
- Robust Enterprise Risk Management process

## SENECA SERVES



POWER IN GIVING

Our employee volunteer program, Seneca Serves, encourages employees to give back to the communities in which we live and operate. Employees have donated their time and raised funds for local nonprofits.



Seneca Serves  
Houston, TX



VetFuel



FEMALEFuel



EDGEFuel



PrideFuel&Allies

Seneca employees have access to four Employee Resource Groups (ERGs). The groups are voluntary, employee led, and are comprised of individuals who join based on common interests, backgrounds, and/or demographic factors, as well as group allies.

## SENECA & HIGHLAND CORE VALUES



Safety



Professionalism



Teamwork



Community



Environmental  
Stewardship



Technical  
Excellence



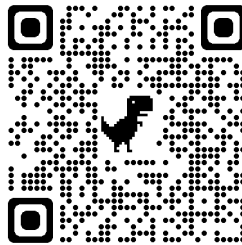
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**Highland Field Services, LLC**, a subsidiary of Seneca Resources Corporation uses an innovative strategy for managing produced fluids from oil and gas. Located in McKean County, Pa., the company provides unique water resource and recycling solutions to upstream and midstream operators by creating incremental value from traditional waste streams. Highland manages the operational and economic needs of the energy sector in an environmentally responsible manner, advancing recycling and reuse rather than disposal.



**National Fuel** is a diversified energy company headquartered in Western New York that operates an integrated collection of natural gas and oil assets across four business segments: Exploration and Production, Pipeline and Storage, Gathering, and Utility. Additional information about National Fuel is available at [nationalfuel.com](http://nationalfuel.com).



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