



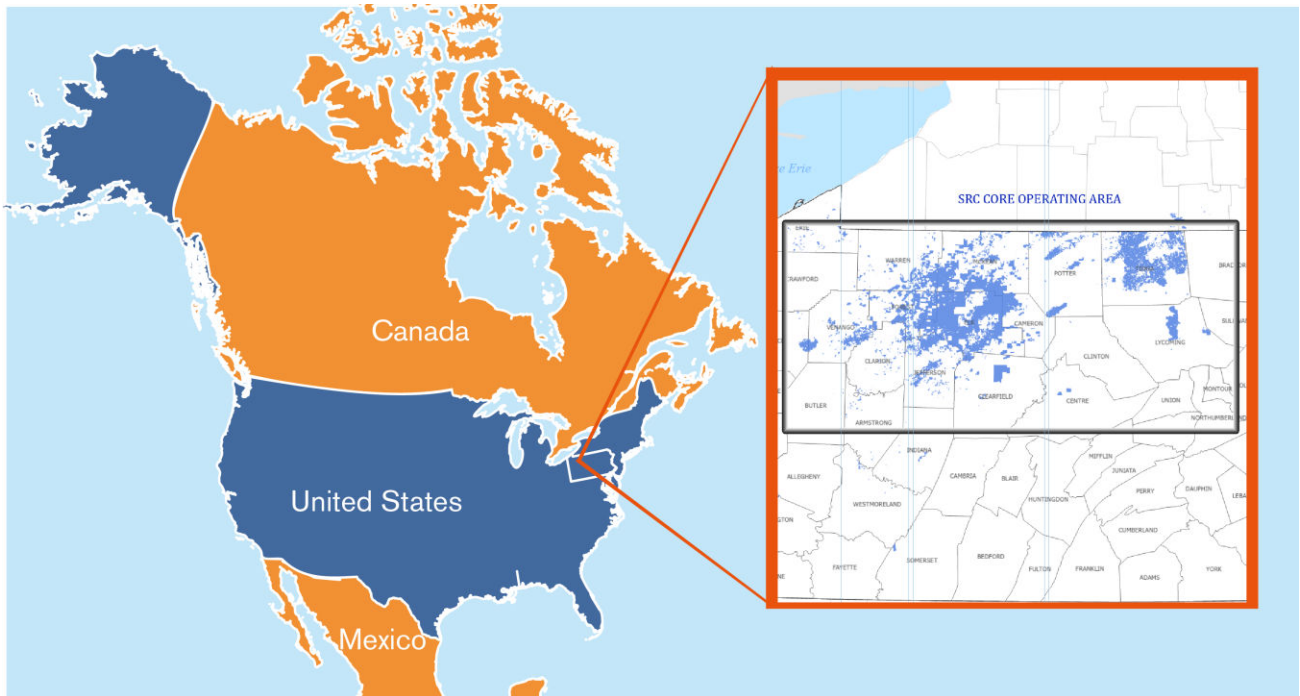
EQUITABLE
ORIGIN
CERTIFIED



 **SENECA**
RESOURCES

Site Overview

Operator:	Seneca Resources Company, LLC
Certified Unit:	Pennsylvania Operations
Location:	Pennsylvania, USA
Area:	1.2 million acres
Number of employees:	Approximately 299
Production phase:	Active production
Production volume:	Approximately 1 bcf/d
Assessment Body:	Geosyntec Consultants Inc.



Site Profile

Seneca Resources Company, LLC (Seneca Resources) is an exploration and production company that carries out upstream operations for its parent company, National Fuel Gas Company. Headquartered in Houston, Texas, Seneca Resources explores for, develops, and produces natural gas and oil reserves in California and the Appalachian Region, including the Marcellus and Utica Shales. National Fuel is a diversified energy company headquartered in New York that operates an integrated collection of natural gas and oil assets across three business segments.

Seneca Resources has been an exploration and production entity in the Marcellus region for more than 100 years. According to the website, the continued development of Marcellus and Utica Shale assets is a significant focus of Seneca Resources' current operations and will be for many years to come. Seneca Resources operates approximately 900 deep, unconventional shale wells in Pennsylvania. The region is known for its stable, long-life natural gas reserves and is home to the Marcellus and Utica geologic formations that stretch from the Southern Tier of New York state through Pennsylvania, Ohio, and West Virginia. This EO100™ assessment was conducted only on the Pennsylvania operations.

With more than a million acres in the Appalachia, the company completed exploration programs in Marcellus and Utica Shale using modern hydraulic fracturing technologies and implementing environmentally friendly practices. National Fuel completed its largest acquisition in 2020 when it acquired Shell's upstream and midstream assets, many of the upstream assets are now operated by Seneca Resources.

Stakeholders and Communities

Seneca Resources' key stakeholders' groups are identified as:

- Employees
- Governments at the local, state, and national levels
- Local communities where they operate
- Landowners in their area of operations
- Contractors, suppliers, and service providers
- Shareholders and capital providers

While the company does not conduct its operations on federally recognized Indigenous lands, Seneca Resources is aware of an Indigenous community just across the New York state border, the Seneca Nation of Indians (Seneca Nation), with whom it has had prior engagement.

Certification Results

Seneca Resources' operation has met the requirements for certification of the properties operating in central Pennsylvania to the EO100™ Standard for Responsible Energy Development (2017) and the EO100™ Standard Addendum for Shale Oil and Gas Operations (2015). Seneca Resources will develop and commit to a continuous improvement plan. Progress in meeting the improvement commitment will be evaluated annually.

The EO100™ Standard encompasses the following Principles:

1. Corporate Governance, Transparency & Ethics
2. Human Rights, Social Impact & Community Development
3. Indigenous People's Rights
4. Fair Labor & Working Conditions
5. Climate Change, Biodiversity & Environment

Seneca Resources committed to adopting the EO100™ Standard and completed a Self-Assessment in 2021. Equitable Origin-approved independent assessors, Geosyntec Consultants Inc., conducted the initial assessment from September through November of 2021, which served as the certification assessment.

An independent Peer Reviewer and Equitable Origin's Technical Committee member reviewed the assessment findings and assurance procedures. The assessment team conducted verification activities in the field that included a review of policies and procedures, visits to pre-selected and randomly selected operations, and interviews with workers, contractors, management, and other stakeholders in the community.

The assessment concluded that Seneca has succeeded in meeting or partially meeting all the applicable Level 1 Performance Targets (see Table 1).

The assessment also concluded that Seneca Resources' Pennsylvania operation has achieved leading practices (reaching Performance Target levels 2 or 3) in several areas. Figure 1 shows the 2021 results summarized by Principle for each Performance Target level.

Table 1: Summary Results by Principle

Principle	Performance Target Level 1
1: Corporate Governance, Transparency & Ethics	91%
2: Human Rights, Social Impact & Community Development	86%
3: Indigenous Peoples’ Rights	50%
4: Fair Labor & Working Conditions	93%
5: Climate Change, Biodiversity & Environment	95%

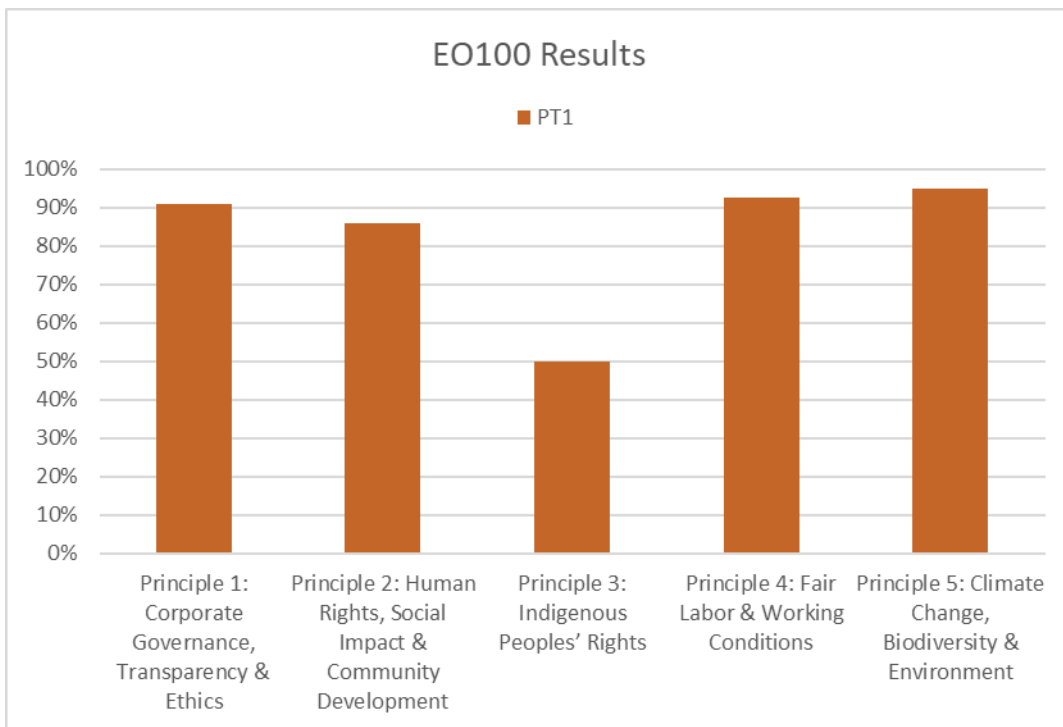


Figure 1: EO100™ Certification Assessment Results

EO100™ Certification Summary

Certificate Issuer:	Equitable Origin, Inc.
Operator:	Seneca Resources Company
Certified Unit:	Pennsylvania Operations
Location of Certified Unit:	Pennsylvania, USA
Certification date:	20 December 2021
Expiration date:	20 December 2024
Certification Standard:	EO100™ Standard for Responsible Energy Development (2017) and the EO100™ Standard Addendum for Shale Oil and Gas Operations (2015)
Assessment Body:	Geosyntec Consultants Inc.
Certificate Number:	EO100-20122021-US

The purpose of this report is to document the EO100™ Certification assessment conducted of Seneca’s natural gas operations in Pennsylvania. The assessment scope included Seneca’s Pennsylvania Operations, which was treated as one Certifiable Unit, and included wells in various stages: drilling, completions, production, and abandoned as well as salt-water disposal wells and associated infrastructure. Assessment activities were carried out in September-November 2021. All supporting assessment documents will remain confidential.

Contact Information:

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If organizations or individuals have concerns, complaints, or comments about the operator’s EO100™ Certification, they should first contact the Certified Operator directly: 412-548-2572.

Equitable Origin: contact@equitableorigin.org

For more information on Equitable Origin’s Certification System Comments, Complaints and Appeals processes, please visit our website: www.energystandards.org.