

Encounter Focal Issue:
Proposed Groundwater-Based Ethanol Plant

Engage With

NGSS Disciplinary Core Ideas (DCI)
Ecosystem Processes & Dynamics
Water & Earth Systems
Natural Resources & Hazards
Human Impacts
Developing Solutions

NGSS Science Practices (SP)
Argumentation
Scientific Modeling
Analyzing & Interpreting Data
Constructing Explanations

NGSS Cross Cutting Concepts (CCC)
Cause & Effect
Systems & System Models
Stability & Change

Societal Issues
Ethanol Subsidies
Eminent Domain
Planning & Zoning
Rural Poverty

Media Literacy
Analyze information sources
Consider author intent & potential biases
Analyze messages and meanings

Socio-scientific Reasoning Practices
Inherent *Complexity* of Science & Issue
Multiple *Perspectives*
Subject to Ongoing *Inquiry*
Skepticism when analyzing data
Contributions & Limitations of Science

Synthesize

Culminating Project
Summative Position Project
(Paper, Poster, Presentation, et al)