



Legislative and Regulatory Context for NGIA

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Overview of the NGIA

- Creates a framework for Minnesota natural gas utilities to pilot “innovative resources” which displace fossil natural gas
- Primary goals are carbon reduction and innovation
- Other goals include economic development/job creation, reduction of air and water pollution, waste reduction/recycling, agricultural sector support, and equitable distribution of costs and benefits
- Utilities that wish to participate must file innovation plans for PUC approval
- Each innovation plan has a five-year term



Resources Included



- Renewable Natural Gas (RNG) & Biogas
 - Must be from biomass
 - Distinction is pipeline quality or not
- District Energy
 - From solar thermal or ground-source
- Energy efficiency
 - Does not include “investments” that can reasonably be included in the Conservation Improvement Program
- Power-to-hydrogen & power-to-ammonia
 - Produced using a carbon-free power source
- Strategic electrification
 - Cannot add to electric peak
 - Customer must still use gas (partial electrification only)
- Carbon Capture
 - Very broad definition

Cost-Effectiveness Chart



	Pilot 1	Pilot 2	Pilot 3
Perspectives			
NGIA Utility Perspective			
NGIA Participants Perspective (including specific impacts on low- and moderate-income participants)			
NGIA Nonparticipating Customers Perspective (including specific impacts on low- and moderate-income customers)			
Effects on Other Energy Systems and Energy Security			
Environment			
GHG Emissions			
Other Pollution (including any environmental justice costs or benefits)			
Waste reduction and reuse (including reduction of water use)			
Policy (e.g., natural gas throughput, renewable energy goals)			
Socioeconomic			
Net Job Creation			
Economic Development			
Public Co-Benefits			
Market Development			
Innovation			
Direct Innovation Support			
Resource Scalability and Role in a Decarbonized System			




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