People and Companies Building a Clean, Safe and Secure Foundation for America's Future

ENERGY EQUIPMENT & INFRASTRUCTURE ALLIANCE

ENERGYBUILDERS

Stronger Communities • Affordable Energy • Local Jobs

601 Pennsylvania Ave., NW ▪ Suite 900 ▪ Washington, DC 20004
www.eeia.org ▪ info@eeia.org ▪ (202) 870-7715

ENERGY INFRASTRUCTURE

People Building a Clean, Safe, Secure Energy Foundation for America's Future

ENERGY EQUIPMENT & INFRASTRUCTURE ALLIANCE

ENERGYBUILDERS
Stronger Communities • Affordable Energy • Local Jobs

We Are the Energy Infrastructure Supply Chain

- We are <u>energy infrastructure operators, contractors and their suppliers</u> of equipment, materials and services

- We are <u>tens of thousands of businesses and millions of workers</u> in all fifty states who build and operate energy infrastructure

- We <u>organize and mobilize our community's voices</u> to ensure

  ✓ *A critical and growing role for natural gas in America's clean energy mix*
  ✓ *Infrastructure supporting American prominence in global LNG markets*
  ✓ *Expeditious build-out and upgrading of our midstream infrastructure*
  ✓ *A rational, predictable, supportive permitting and regulatory environment*
  ✓ *Laws facilitating access to and full development of our energy resources*
  ✓ *Public appreciation of the importance of energy to their wellbeing*

Energy Equipment and Infrastructure Alliance, Inc.
601 Pennsylvania Ave., NW ● Suite 900 ● Washington, DC 20004
(202) 870-7715 ● info@eeia.org ● www.eeia.org
EnergyBuilders is EEIA's Campaign for Infrastructure

ENERGY EQUIPMENT AND INFRASTRUCTURE ALLIANCE

Infrastructure Supply Chain Voices for Energy

- Member mobilization
- Political activism
- Frequent alerts and calls to action
- Project and market info
- Mobilize partner supply chain associations
- Networking events

- Boots on the ground at permit hearings
- Direct testimony
- Rallies at hearing venues
- Petition drives

- Environmental and climate benefits
- Quality of life benefits
- Economics and employment benefits
- Energy security benefits

- FERC composition
- Clean Water Act rules
- Provide facts and analysis on energy issues
- Lead member visits to legislators
- Export promotion
- Committee testimony

- Outreach to Governors
- State legislative advocacy
- State association mobilization

- Local project rallies
- Member LTEs
- Op-eds
- Outreach to community organizations & groups

EEIA and our Energy Builders Campaign engage at all levels across the country in support of projects, policy, smart regulation and education

ENERGY EQUIPMENT & INFRASTRUCTURE ALLIANCE

ENERGYBUILDERS

Stronger Communities • Affordable Energy • Local Jobs

ENERGY EQUIPMENT & INFRASTRUCTURE ALLIANCE

Key Services and Products of the Energy Infrastructure Supply Chain

Upstream – Exploration and Production

- **Construction**
  - Well pad design, clearing, grading, construction and restoration
  - Access road construction
  - Public road upgrading and maintenance
  - Gathering lines
  - Clean and wastewater lines
  - Storage facilities

- **Equipment**
  - Earthmoving, grading and compaction equipment
  - Cranes, material handling and utility equipment for well pad operations
  - Fluid transfer and dewatering pumps and compressors
  - Material and equipment conveyor systems
  - Tanks for sand, water and chemicals
  - Separation tanks and equipment
  - Drilling rigs and engines
  - Generator sets for well pad power
  - Generator sets for electric rigs
  - Trucks to haul materials, fluids and equipment to and from production sites.
  - Flow measurement and control equipment

- **Services**
  - Facilities engineering
  - Fracturing and pressure pumping equipment and services
  - Seismic imaging equipment and services
  - Truck/rail hauling of water, sand, cement, chemicals, drill pipe and well casing pipe
  - Waste water management services

- **Materials and supplies**
  - Concrete, aggregates and reinforcing bar for well pad construction
  - Drill pipe and drill bits
  - Well casing pipe and cement
  - Water, sand and chemicals
  - Pipes, valves, fittings and hoses

(See overleaf for Midstream Infrastructure Construction, Equipment, Services and Supplies)

©EEIA ● 601 Pennsylvania Ave. NW ● Suite 900 ● Washington, DC 20004
info@eeia.org ● www.eeia.org ● (202) 870-7715

Midstream Infrastructure

- **Construction**
  - Mainline pipeline construction
  - Horizontal directional drilling
  - Gas compression and pumping station construction
  - Right-of-way surveying, clearing, erosion control and restoration
  - Project and environmental engineering
  - Storage facilities
  - Export terminals

- **Equipment**
  - Earthmoving, grading, trenching, material handling and utility equipment
  - Horizontal directional drilling equipment
  - Pipe handling and laying equipment and attachments
  - Pipe welding, bending and coating equipment, supplies and services
  - Pumps and generators
  - Trucks: dump, flatbed, utility
  - Trench shoring and safety equipment
  - Trench padding, screening and crushing equipment
  - Line compression, pumping and metering equipment
  - Pipeline inspection equipment and services
  - Rail tank cars and transportation services

- **Services**
  - Integrity testing and maintenance equipment and services
  - Pipe transportation and stringing
  - Route surveying, GIS and land services
  - Trench blasting
  - Dewatering
  - Transportation of equipment and materials
  - Equipment maintenance and servicing

- **Materials and Supplies**
  - Steel line pipe
  - Construction mats
  - Concrete pipe supports
  - Erosion and sedimentation control devices

ENERGY EQUIPMENT & INFRASTRUCTURE ALLIANCE

Current Top Legislative and Regulatory Priorities

Supply Chain Economic and Employment Scope

- Creating awareness among policymakers of the large economic and employment contributions of the energy infrastructure supply chain, and the impacts of their policy choices on supply chain people, companies and communities

Infrastructure Permitting

- Reforming state implementation of Clean Water Act Section 401 Water Quality Certification through EPA Rulemaking and legislative remedies
- Ensuring a quorum with a supportive majority at the Federal Energy Regulatory Commission
- Participating directly and mobilizing supply chain business leader and workers in support of individual project permitting processes at the state and local levels
- Supporting project right-of-way permits on lands under federal jurisdiction

Climate, Pollution and Security Benefits

- Educating policymakers and the public about the climate, pollution and grid security benefits of increasing the share of natural gas in the domestic power generation mix
- Educating policymakers and the public about the critical need for natural gas power infrastructure to facilitate integration of increased wind and solar into the energy mix
- Educating supply chain participants about the need for and opportunities in methane emission reduction efforts

Natural Gas Exports

- Educating policymakers about the potential for US natural gas exports to accelerate global fuel-switching for lower carbon emissions
- Educating policymakers about the potential for US natural gas exports to supply emerging economies with cleaner-burning fuel alternatives as they lift their populations out of energy poverty
- Advocating for the upstream and midstream infrastructure necessary to support higher levels of production to supply growing LNG export capacity

Major Midstream, LNG Export and Manufacturing Projects in the Pipeline

Major Natural Gas Pipelines:

- 32 projects
- 6,700 miles
- 49 bcf/d capacity
- $47.3 billion capital expenditure

Major Liquids Pipelines:

- 22 projects
- 11,300 miles
- 11,200 mmbpd
- $39.4 billion capital expenditure

LNG Export Projects:

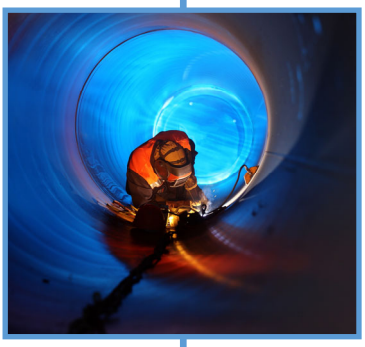
- 29 projects
- 46 bcf/d
- 348 million tons per annum
- $200 billion capital expenditure

Natural Gas-dependent Chemical Manufacturing Projects:

- 334 projects
- $204 billion capital expenditure

Energy Equipment and Infrastructure Alliance, Inc.
601 Pennsylvania Ave., NW ● Suite 900 ● Washington, DC 20004
(202) 870-7715 ● info@eeia.org ● www.eeia.org

THE ENERGY INFRASTRUCTURE SUPPLY CHAIN



- Contractors
- Equipment
- Engineering
- Materials
- Services
- Logistics

ENERGY
EQUIPMENT &
INFRASTRUCTURE
ALLIANCE

©2019 EEIA, Inc. ▪ 601 Pennsylvania Ave, NW, Ste 900 ▪ Washington, DC 20004
(202) 870-7715 ▪ www.eeia.org ▪ info@eeeia.org