

CRITICAL INFRASTRUCTURE SECTORS

CISA has defined our nation's critical infrastructure sectors as follows ([Critical Infrastructure Sectors | CISA](#)), these are not in any rank order, only alphabetical:

1. Chemical Sector
 - a. Processors of NGLs (natural gas liquids) into commercial, industrial and specialty market products like cleaners, lubricants, surfactants, etc.
2. Commercial Facilities Sector
 - a. Facilities are similar to factories with similarly connected and communicating equipment, e.g., adjustable speed drives, compressors, backup generators, EV charging equipment, rooftop wind and solar power generation including energy storage batteries
3. Communications Sector
 - a. Cellular, trunking radio, satellite, etc.
4. Critical Manufacturing Sector, e.g.
 - a. Pharma
 - b. Medical Device
 - c. HVAC, Automation, Integrated Circuits, & Electronic systems manufacturing
5. Dams Sector
6. Defense Industrial Base Sector
 - a. Large OEMs across the region
7. Emergency Services Sector
 - a. Police, Fire, EMS/Ambulances,
8. Energy Sector, e.g.
 - a. Bulk electric generation, transmission, and distribution
 - b. Natural gas
 - c. Oil & Gas exploration, extraction, transmission, refining, and distribution
 - i. Includes production of NGL's and their distribution, often classified as hazardous substances
 - d. Distributed energy resources, aka microgrids, include the following equipment:
 - i. Combined heat and power systems
 - ii. Solar photovoltaic panels
 - iii. Wind
 - iv. Hydropower
 - v. Biomass combustion or cofiring
 - vi. Municipal solid waste incineration
 - vii. Fuel cells fired by natural gas or biomass
 - viii. Reciprocating combustion engines, including backup generators, which may be fueled by diesel or oil
9. Financial Services Sector
 - a. Banks, Insurance, US Federal Reserve in Minneapolis, etc.
10. Food and Agriculture Sector
 - a. Food & Beverage production
 - b. Smart farms and implements, drones, irrigation systems

- c. Farm waste holding and processing buildings
- 11. Government Facilities Sector
 - a. Including 7th & 8th Circuit Court of Appeals in Saint Louis and Saint Paul
 - b. Federal buildings associated with Military operations
- 12. Healthcare and Public Health Sector
- 13. Information Technology Sector
- 14. Nuclear Reactors, Materials, and Waste Sector
 - a. Multiple legacy Nuclear fueled electric generation facilities
 - b. SMR: Small, Modular Reactor project being implemented in W. WI by NuScale Power and Dairyland Power [[Wisconsin co-op to explore adding small modular nuclear reactor to generation mix \(power-eng.com\)](#)]
- 15. Transportation Systems Sector
 - a. Airports – international, regional, and private airfields
 - b. Maritime transportation on rivers, Great Lakes, etc.
 - c. Rail - commuter, and heavy freight
 - d. LTL – logistics transport lines
 - e. Bus lines
- 16. Water and Wastewater Systems
 - a. Sometimes integrated, sometimes shared between communities, often based and running on legacy, often outdated equipment that continues to be a challenge to maintain, much less secure physically and cyber-wise.