Guldance on the Essential Critical Infrastructure Workforce: Ensuring Community and National Resilience in COVID-19 Response

Version 2.0 (March 28, 2020)

THE IMPORTANCE OF ESSENTIAL CRITICAL INFRASTRUCTURE WORKERS

Functioning critical infrastructure is imperative during the response to the COVID-19 emergancy for both public health and safety as well as community well-being. Certain critical infrastructure industries have a special responsibility in these times to continue operations.

This advisory guidance and accompanying list are intended to support state, local, tribal, territorial and industry partners in identifying the critical infrastructure sectors and the essential workers needed to maintain the services and functions. Americans depend on daily and that need to be able to operate resiliently during the COVID-19 pandemic response.

This document gives advisory guidance on defining essential critical infrastructure workers. Promoting the ability of such workers to continue to work during periods of community restriction, access management, social distancing, or closure orders/directives is crutial to community resilience and continuity of essential functions.

CISA will continually solicit and accept feedback on the list and will evolve the list in response to stakeholder feedback. We will also use our various stakeholder engagement mechanisms to work with partners on how they are using this list and share those lessons learned and best practices broadly. Feedback can be sent to CISA.CATECISA.DHS.GDV.

CONSIDERATIONS FOR GOVERNMENT AND BUSINESS

This list was developed in consultation with federal agency partners, industry experts, and State and local officials, and is based on several key principles:

- Response efforts to the COVID-19 pandemic are locally executed, state managed, and federally supported.
- Everyone should follow guidence from the CDC, as well as State and local government officials, regarding strategies to limit disease spread.
- Workers should be encouraged to work remetely when possible and focus on core business activities. Inperson, non-mandatory activities should be delayed until the resumption of normal operations.
- 4. When continuous remote work is not possible, businesses should enlist strategies to reduce the likelihood of spreading the disease. This includes, but is not necessarily limited to, separating staff by off-setting shift hours or days and/or social distancing. These steps can preserve the workforce and allow operations to continue.
- All organizations should implement their business continuity and pandemic plans or put plans in place if they do not exist, Delaying implementation is not advised and puts at risk the viability of the business and the

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health and safety of the employees.

- Reliance on technology and just-in-time supply chains means that certain workers must be able to access certain sites, facilities, and assets to ensure continuity of functions.
- Government employees, such as emergency managers, and the business community need to establish and maintain lines of communication.
- 8. When government and businesses engage in discussions about essential critical infrastructure workers, they need to consider the implications of business operations beyond the jurisdiction where the asset or facility is located. Businesses can have sizeable economic and societal impacts as well as supply chain dependencies, that are geographically distributed.
- Whenever possible, jurisdictions should sligh access and movement control policies related to critical infrastructure workers to lower the burden of workers crossing jurisdictional boundaries.

IDENTIFYING ESSENTIAL CRITICAL INFRASTRUCTURE WORKERS

The following list of identified essential critical infrastructure workers is intended to be overly inclusive reflecting the diversity of industries across the United States.







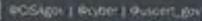


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HEALTHCARE / PUBLIC HEALTH

- Workers who perform critical clinical research, development, and testing needed for COVID-19 response.
- Healthcare providers and Caregivers including physicians, dentists, psychologists, mid-level practitioners, nurses
 and assistants, infection control and quality assurance personnel, pharmacists, physical and occupational
 therapists and assistants, social workers, optometrists, speech pathologists, chiropractors, and diagnostic and
 therapeutic technicians and technologists.
- Hospital and laboratory personnel (including accounting, administrative, admitting and discharge, engineering, epidemiological, source plasma and blood donation, food service, housekeeping, medical records, information technology and operational technology, nutritionists, sanitarians, respiratory therapists, etc.).
- Workers in other medical and biomedical facilities (including Ambulatory Health and Surgical, Blood Banks, Clinics, Community Merital Health, Comprehensive Outpatient rehabilitation, End Stage Renai Disease, Health Departments, Home Health care, Hospices, Hospitals, Long Term Care, Nursing Care Facilities, Organ Pharmacles, Procurement Organizations, Psychiatric Residential, Rural Health Clinics and Federally Qualified Health Centers, and retail facilities specializing in medical good and supplies).
- Manufacturer workers for health manufacturing (including biotechnology companies), materials and parts suppliers, logistics and warehouse operators, distributors of medical equipment (including those who test and repair), personal protective equipment (PPE), isolation barriers, medical gases, pharmaceuticals (including materials used in radioactive drugs), dietary supplements, blood and blood products, vaccines, testing materials, laboratory supplies, cleaning, sanitizing, disinfecting or sterilization supplies, and tissue and paper towel products.
- Public health / community health workers, including those who compile, model, analyze and communicate public health information.
- Blood and plasma donors and the employees of the organizations that operate and manage related activities.
- Workers who manage health plane, billing, and health information, who cannot practically work remotely.
- Workers who conduct community-based public health functions, conducting epidemiologic surveillance, compiling, analyzing and communicating public health information, who cannot practically work remotely.
- Workers performing information technology and cybersecurity functions at healthcare and public health facilities, who cannot practically work remotely.
- Workers performing security, incident management, and emergency operations functions at or on behalf of healthcare entities including healthcare-coalitions, who cannot practically work remotely.
- Pharmacy employees necessary to maintain uninterrupted prescription filling.
- Workers performing mortuary funeral, cremation, burial, cemetary, and related services, including funeral homes, crematoriums, cemetery workers, and coffin makers.
- Workers who coordinate with other organizations to ensure the proper recovery, handling, identification, transportation, tracking, storage, and disposal of human remains and personal effects; certify cause of death; and facilitate access to mental/behavioral health services to the family members, responders, and survivors of an incident.







LAW ENFORCEMENT, PUBLIC SAFETY, AND OTHER FIRST RESPONDERS

- Public, private, and voluntary personnel (front line and management) in emergency management, law enforcement, fire and rescue services, emergency medical services, and private security, to include public and private hazardous material responders, air medical service providers (pilots and supporting technicians). corrections, and search and rescue personnel.
- 911 call center employees and Public Safety Answering Points who can't perform their duties remotely.
- Fusion Centeremployees.
- Workers including contracted vendors who maintain, manufacture, or supply equipment and services. supporting law enforcement emergency service and response operations (to include electronic security and life safety security personnel).
- Workers supporting the manufacturing of safety equipment and uniforms for law enforcement, public safety persennel, and first responder.
- Workers supporting the operation of firearm or ammunition product manufacturers, retailers, importers. distributors, and shooting ranges.
- Public agency workers responding to abuse and neglect of children, elders, and dependent adults.
- Workers who support weather disaster / natural hazard mitigation and prevention activities.
- Security staff to maintain building access control and physical security measures.

FOOD AND AGRICULTURE

- Workers supporting groceries, pharmacies, convenience stores, and other retail (including unattended and vending) that sells human food, animal/pet food and pet supply, and beverage products, including retail customer support service and information technology support staff recessary for online orders, pickup and delivery.
- Restaurant carry-out and quick serve food operations, including dark kitchen and food prep centers, and carryout and delivery food employees.
- Food manufacturer employees and their supplier employees—to include those employed in food ingredient. production and processing facilities; livestock, poultry, seafood staughter facilities; pet and animal feed processing facilities; human food facilities producing by-products for animal food; beverage production facilities; and the production of food packaging.
- Farmers, farm workers, and agribusiness support services to include those employed in auction and sales: grain and oilseed handling, processing and distribution; animal food, feed, and ingredient production, packaging, and distribution; manufacturing, packaging, and distribution of veterinary drugs; truck delivery and transport; farm and fishery labor needed to produce our food supply domestically and for export,
- Farmers, farm workers, support service workers, and their supplier employees to include those engaged in. producing and harvesting field crops; commodity inspection; fuel ethanol facilities; biodiesel and renewable diesel facilities; storage facilities; and other agricultural inputs.
- Employees and firms supporting the distribution of food, feed, and beverage and ingredients used in these products, including warehouse workers, vendor-managed inventory controllers and blockchain managers.
- Workers supporting the sanitation and pest control of all food manufacturing processes and operations from wholesale to retail.
- Employees in cafeterias used to feed employees, particularly employee populations sheltered against COVID-19.
- Workers in animal diagnostic and food testing laboratories in private industries and in institutions of higher education.

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- Government, private, and non-governmental organizations" workers essential for food assistance programs. (including school kinch programs) and government payments.
- Employees of companies engaged in the production, storage, transport, and distribution of chemicals, medicines, vaccines, and other substances used by the food and agriculture industry, including seeds, pesticides, herbicides, fortibers, minerals, enrichments, and other agricultural production side.
- Animal agriculture workers to include those employed in veterinary health (including those involved in supporting emergency veterinary or livestock services); raising of animals for food; animal production operations; livestock markets; slaughter and packing plants, manufacturers, renderers, and associated regulatory and government workforce.
- Transportation supporting animal agricultural industries, including movement of animal medical and reproductive supplies and materials, animal vaccines, animal drugs, feed ingredients, feed, and bedding, live animals, animal by-products, and deceased animals for disposal.
- Workers who support sawmits and the manufacture and distribution of fiber and forest products, including, but not limited to timber, paper, and other wood and fiber products.
- Employees engaged in the manufacture and maintenance of equipment and other infrastructure necessary for agricultural production and distribution.

ENERGY

- Workers supporting the energy sector, regardless of the energy source (including but not limited to nuclear, fossil, hydroelectric, or renewable), segment of the system, or infrastructure the worker is involved in, or who are needed to monitor, operate, engineer, and maintain the reliability, safety, environmental health, and physical and cyber security of the energy system.
- Energy/commodity trading/scheduling/marketing functions, who can't perform their duties remotely.
- If and OT technology for essential energy sector operations including support workers, customer service operations; energy management systems, control systems, and Supervisory Control and Data Acquisition SCADA systems, and energy sector entity data centers; cybersecurity engineers; and cybersecurity risk management.
- Workers supporting the energy sector through renewable energy infrastructure (including, but not limited to wind, solar, biomass, hydrogen, ocean, geothermal, and/or hydroelectric), including those supporting construction, manufacturing, transportation, permitting, operation/maintenance, monitoring, and legistics.
- Workers and security staff involved in nuclear re-fueling operations.
- Providing services related to energy sector fuels (including, but not limited, petroleum (crude oil), natural
 gas, propane, natural gas liquids, ether liquid fuels, nuclear, and coal), supporting the mining, processing,
 manufacturing, construction, logistics, transportation, permitting, operation/maintenance, security, waste
 disposal and storage, and monitoring of support for resources.
- Environmental remediation/monitoring, limited to immediate critical needs technicians.
- Manufacturing and distribution of equipment, supplies, and parts necessary to maintain production, maintenance, restoration, and service at energy sector facilities (across all energy sector segments).

Electricity Industry:

- Workers who maintain, ensure, or restore, or are involved in the development, transportation, fuel procurement, expansion, or operation of the generation, transmission, and distribution of electric power, including call centers, utility workers, engineers, retail electricity, constraint maintenance, and fleet maintenance technicians who cannot perform their duties remotely.
- Workers at coal mines, production facilities, and those involved in manufacturing, transportation, permitting, operation/maintenance and monitoring at coal sites which is critical to ensuring the reliability of the electrical system.

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- Workers who produce, process, ship and handle coal used for power generation and manufacturing.
- Workers needed for safe and secure operations at nuclear generation to include but not limited to, the broader nuclear supply chain, parts to maintain nuclear equipment, fuel manufacturers and fuel components used in the manufacturing of fuel.
- Workers at renewable energy infrastructure (including, but not limited to wind, solar, biomass, hydrogen, geothermal, and/or hydroelectric), including those supporting construction, manufacturing, transportation. permitting, operation/maintenance, monitoring, and logistics.
- Workers at generation, transmission, and electric black start facilities,
- Workers at Reliability Coordinator, Balancing Authorities, and primary and backup Control Centers, including but not limited to independent system operators, regional transmission organizations, and local distribution control centers.
- Mutual assistance personnel which may include workers from outside of the state or local jurisdiction.
- Vegstation management and traffic centrol for supporting those crows.
- Environmental remediation/monitoring workers limited to immediate critical needstechnicians. .
- Instrumentation, protection, and control technicians. .
- Essential support personnel for electricity operations.
- Generator set support workers such as diesel engineers used in powergeneration including those providing fuel.

Petroleum Industry:

- Workers for orishore and offshore petroleum drilling operations; platform and drilling construction and maintenance; transportation (including helicopter operations), maritime transportation, supply, and diedging operations; maritime navigation; well stimulation, intervention, monitoring, automation and control, extraction, production; processing; wasta disposal, and maintenance, construction, and operations.
- Workers for crude oil, petroleum and petroleum product storage and transportation, including pipeline. marine transport, terminals, rail transport, storage facilities and racks and roadtransport for use as enduse fuels such as gasoline, diesel fuel, jet fuel, and heating fuels or feedstocks for chemical manufacturing.
- Petroleum and petroleum product security operations center employees and workers who support maintenance and emergency response services.
- Petroleum and petroleum product operations control rooms/centers and refinery facilities.
- Retail fuel centers such as gas stations and truck stops, and the distribution systems that support hem.
- Supporting new and existing construction projects, including, but not limited to, pipeline construction.

Natural Gas, Natural Gas Liquids (NGL), Propane, and other liquid fuels

- Workers who support onshore and offshore drilling operations, platform and drilling construction and maintenance; transportation (including helicopter operations); maritime transportation, supply, and diredging operations; maritime navigation; natural gas and natural gas liquid production, processing, extraction, storage and transportation; well intervention, monitoring, automation and control; waste disposal, and maintenance, construction, and operations.
- Transmission and distribution pipeline workers, including compressor stations and any other required. operations maintenance, construction, and support for natural gas, natural gas liquid, propane, and other liquid fuels.
- Natural gas, propane, natural gas liquids, and other liquid fuel processing plants, including construction, maintenance, ar support operations.
- Natural gas processing plants workers, and those that deal with natural gas liquids.
- Workers who staff natural gas, propane, natural gas liquids, and other liquid fuel security operations centers, operations dispatch and control rooms/centers, and emergency response and customer emergencies (including leak calls)operations.
- Driffing, production, processing, refining, and transporting natural gas for use as end-use fuels, feedstocks for

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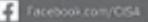
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chemical manufacturing, or use in electricity generation,

- Dispatch and control rooms and emergency response and customer emergencies, including propone leak calls.
- Propose gas service maintenance and restoration, including call centers.
- Propane, natural gas liquids, and other liquid fuel distribution centers.
- Propane gas storage, transmission, and distribution centers.
- Supporting new and existing construction projects, including, but not limited to, pipeline construction.
- Ethanol and biofuel production, refining, and distribution.
- Workers in fuel sectors (including, but not limited to nuclear, east, and gas types and liquid fuels) supporting the mining, manufacturing, logistics, transportation, permitting, operation/maintenance, and monitoring of support for resources.

WATER AND WASTEWATER

Employees needed to operate and maintain drinking water and wastewater/drainage infrastructure, including:

- · Operational staff at waterauthorities.
- Operational staff at community watersystems.
- · Operational staff at wastewater treatment facilities.
- Workers repairing water and wastewater conveyances and performing required sampling or monitoring, including field staff.
- Operational staff for water distribution and testing.
- Operational staff at wastewater collection facilities.
- Operational staff and technical support for SCADA Control systems.
- Chemical and equipment suppliers to water and wastewater systems and personnel protection.
- Workers who maintain digital systems infrastructure supporting water and wastewater operations.

TRANSPORTATION AND LOGISTICS

- Employees supporting or enabling transportation functions, including truck drivers, bus drivers, dispatchers, maintenance and repair technicians, warehouse workers, truck stop and rest area workers. Department of Motor Vehicle (DMV) employees, towing/receivery services, roadside assistance workers, intermodal transportation personnel, and workers who maintain and inspect infrastructure (including those that require cross-jurisdiction travel).
- Workers supporting the distribution of food, pharmaceuticals (including materials used in radioactive drugs) and
 other medical materials, fuels, chemicals needed for water or water treatment and energy Maintenance and
 operation of essential highway infrastructure, including roads, bridges, and tunnels (e.g., traffic operations
 centers and moveable bridge operators).
- Employees of firms providing services, supplies, and equipment that enable warehouse and operations, including cooling, storing, packaging, and distributing products for wholesale or retail sale or use. Includes cold-and frozen-chain logistics for food and critical biologic products.
- Mass transit workers and providing critical transit services and/or performing critical or routine maintenance to mass transit infrastructure or equipment.
- Employees supporting personal and commercial transportation services including taxis, delivery services, wehicle rental services, bicycle maintenance and car-sharing services, and transportation network providers.
- Workers responsible for operating and dispatching passenger, commuter and freight trains and maintaining rail infrastructure and equipment.
- Maritime transportation workers, including dredgers, port workers, mariners, ship crewmembers, ship pilots and flug boat operators, equipment operators (to include maintenance and repair, and maritime-specific medical

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- providers), ship supply, chandler, and repair companies.
- Workers including truck drivers, railroad employees and contractors, maintenance crew, and cleaners supporting transportation of chemicals, hazardous, medical, and waste materials to support critical infrastructure. capabilities, functions, and services, including specialized carriers, crane and rigging industry-workers.
- Bus drivers and workers who provide or support intercity, commuter and charter bus service in support of other essential services or functions.
- Automotive repair, maintenance, and transportation equipment manufacturing and distribution facilities lincluding those who regain and maintain electric vehicle charging stations).
- Transportation safety inspectors, including hazardous material inspectors and accident investigator inspectors.
- Manufacturers and distributors (to include service centers and related operations) of packaging materials. pallets, crates, containers, and other supplies needed to support manufacturing, packaging staging and distribution operations.
- Postal, parcel, courier, last mile delivery, and shipping and related werkers, to include private companies.
- Employees who repair and maintain vehicles, aircraft, rail equipment, marine vessels, bicycles, and the equipment and infrastructure that enables operations that encompass movement of cargo and passengers.
- Air transportation employees, including air traffic controllers and maintenance personnel, ramp workers, eviation. and aerospace safety, security, and operations personnel and accident investigations.
- · Workers who support the operation, distribution, maintenance, and sanitation, of air transportation for cargo and passengers, including flight crews, maintenance, airport operations, those responsible for cleaning and disinfection, and other on- and off- airport facilities workers.
- Workers supporting transportation via inland waterways such as berge crew, dredging, river port workers for essential goods.
- Workers critical to rental and leasing of vehicles and equipment that facilitate continuity of operations for essential workforces and other essential travel.
- Warehouse operators, including vendors and support personnel critical for business continuity (including HVAC & electrical engineers; security personnel; and janitarial staff) and customer service for essential functions.

PUBLIC WORKS AND INFRASTRUCTURE SUPPORT SERVICES

- Workers who support the operation, inspection, and maintenance of essential public works facilities and operations, including bridges, water and sewer main breaks, fleet maintenance personnel, construction of critical or strategic infrastructure, traffic signal maintenance, emergency location services for buried utilities. maintenance of digital systems inhastructure supporting public works operations, and other emergent issues.
- Workers such as plumbers, electricians, exterminators, builders, contractors, HVAC Technicians, landscapers, and other service providers who provide services that are necessary to maintaining the safety, sanitation, and essential operation of residences, businesses and buildings such as hospitals, senior living facilities, any temporary construction required to support COVID-19 response.
- Workers who support, such as road and line clearing, to ensure the availability of and access to needed facilities. transportation, energy and communications.
- Support to ensure the effective removal, storage, and disposal of residential and commercial solid waste and hazardous waste, including landfilloperations.
- Workers who support the operation, inspection, and maintenance of essential dams, locks and levees.
- Workers who support the inspection and maintenance of aids to navigation, and other government provided services that ensure continued maritime commerce.

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COMMUNICATIONS AND INFORMATION TECHNOLOGY

Communications:

- Maintenance of communications infrastructure-including privately owned and maintained communication. systems- supported by technicians, operators, cell -centers, wireline and wireless providers, cable service providers, satellite operations, Internet Exchange Points, Points of Presence, Network Access Points, back haul and from hauf facilities, and manufacturers and distributors of communications equipment.
- Government and private sector employees (including government contractors) with work related to undersea cable infrastructure and support facilities, including cable landing sites, beach manhole vaults and covers, submarine cable depots and submarine cable ship facilities.
- Government and private sector employees (including government contractors) supporting Department of Defense internet and communications facilities.
- Workers who support radio, television, and media senice, including, but not limited to front-line news reporters, studio, and technicians for newsgathering, and reporting, and publishing news.
- Network Operations staff, engineers and/or technicians to include IT managers and staff, HVAC & electrical engineers, security personnel, software and hardware engineers, and database administrators that manage the network or operate facilities.
- Engineers, technicisms and associated personnel responsible for infrastructure construction and restoration. including contractors for construction and engineering of fiber optic cables, buried conduit, small cells, other wireless facilities, and other communications sector-related infrastructure. This includes construction of new facilities and deployment of new technology as these are required to address congestion or customer usage due to unprecedented use of remote services.
- installation, maintenance and repair technicians that establish, support or repair service as needed.
- Central office personnel to maintain and operate central office, data centers, and other network office facilities, critical support personnel assisting front line employees.
- Customer service and support staff, including managed and professional services as well as remote providers of support to transitioning employees to set up and maintain home offices, who interface with customers to manage or support service environments and security issues, including payroll, billing, flaud, logistics, and troubleshooting.
- Workers providing electronic security, fire, monitoring and life safety services, and to ensure physical security, clearliness and safety of facilities and personnel, including temporary licensing waivers for security personnel to work in other States of Municipalities.
- Dispatchers involved with service repair and restoration.
- Retail customer service personnel at critical service center locations for onboarding customers, distributing and repairing equipment and addressing customer issues in order to support individuals' remote emergency communications needs, supply chain and logistics personnel to ensure goods and products are on-boarded to provision these front-line employees.
- External Affairs personnel to assist in coordinating with local, state and federal officials to address. communications needs supporting COVID-19 response, public safety, and national security.

Information Technology:

- Workers who support command centers, including, but not limited to Network Operations Command Centers. Broadcast Operations Control Centers and Security Operations Command Centers.
- Data center operators, including system administrators, HVAC & electrical engineers, security personnel, IT managers and purchasers, data transfer solutions engineers, software and hardware engineers, and database administrators, for all industries (including financial services).

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- Workers who support client service centers, field engineers, and other technicians and workers supporting, critical infrastructure, as well as manufacturers and supply chain vendors that provide hardware andsoftware, support services, research and development, and information technology equipment (to include microelectronics and semiconductors), and HVAC and electrical equipment for critical infrastructure, and test labs and certification agencies that qualify such equipment(to include microelectronics, optoelectronics, and semiconductors) for critical infrastructure, including data centers.
- Workers needed to preempt and respond to cyber incidents involving critical infrastructure, including medical facilities, SLTT governments and federal facilities, energy and utilities, and banks and financial institutions, securities/other exchanges, other entities that support the functioning of capital markets, public works, critical manufacturing, food & agricultural production, transportation, and other critical infrastructure categories and personnel, in addition to all cyber defense workers (who can't perform their duties/remotely).
- Suppliers, designers, transporters and other workers supporting the manufacture, distribution and provision and construction of essential global, national and local infrastructure for computing services (including cloud computing services and telework capabilities), business infrastructure, financial transactions/services, webbased services, and critical manufacturing.
 - Workers supporting communications systems and information technology and work from home solutions-used by law enforcement, public safety, medical, energy, public works, critical manufacturing, food & agricultural production, financial services, education, and other critical industries and businesses.
 - Employees required in person to support Software as a Service businesses that enable remote working, performance of business operations, distance learning, media services, and digital health offerings, or required for technical support crucial for business continuity and connectivity.

OTHER COMMUNITY- OR GOVERNMENT-BASED OPERATIONS AND ESSENTIAL FUNCTIONS

- Workers to ensure continuity of building functions, including but not limited to security and environmental
 controls (e.g., HVAC), the manufacturing and distribution of the products required for these functions, and the
 permits and inspections for construction supporting essential infrastructure.
- Elections personnel to include both public and private sector elections support.
- Workers supporting the operations of the judicial system.
- Federal, State, and Local, Tribal, and Territorial employees who support Mission Essential Functions and communications networks.
- Trade Officials (FTA negotiators; international data flow administrators).
- Employees necessary to maintain news and media operations across various media.
- Employees supporting Census 2020.
- Weatherforecasters.
- Clergy for essential support.
- Workers who maintain digital systems infrastructure supporting other critical government operations.
- Workers who support necessary credentialing, vetting and licensing operations for critical infrastructure workers.
- Customs and immigration workers who are critical to facilitating trade in support of the national emergency response supply chain.
- Educators supporting public and private K-12 schools, colleges, and universities for purposes of facilitating distance learning or performing other essential functions.
- Staff at government offices who perform title search, notary, and recording services in support of mortgage and real estate services and transactions.

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- Residential and commercial real estate services, including settlement services.
- Workers supporting essential maintenance, manufacturing, design, operation, inspection, security, and construction for essential products, services, and supply chain and COVID 19 relief efforts.

CRITICAL MANUFACTURING

- Workers necessary for the manufacturing of metals (including steel and aluminum), industrial minerals, semiconductors, materials and products needed for medical supply chains, and for supply chains associated with transportation, energy, communications, information technology, food and agriculture, chemical manufacturing, nuclear facilities, wood products, commodities used as fuel for power generation facilities, the operation of dams, water and wastewater treatment, processing and reprocessing of solid waste, emergency services, and the defense industrial base. Additionally, workers needed to maintain the continuity of these manufacturing functions and associated supply chains, and workers necessary to maintain a manufacturing operation in warm standby.
- Workers necessary for the manufacturing of materials and products needed to manufacture medical equipment and personal protective equipment (PPE).
- Workers necessary for mining and production of critical minerals, materials and associated essential supply chains, and workers engaged in the manufacture and maintenance of equipment and other infrastructure necessary for mining production and distribution.
- Workers who produce or manufacture parts or equipment that supports continued operations for any essential services and increase in remote workforce (including computing and communication devices, semiconductors, and equipment such as security tools for Security Operations Centers (SOCs) or datacenters).

HAZARDOUS MATERIALS

- Workers who manage hazardous materials associated with any other essential activity, including but not limited to healthcare waste (medical, pharmaceuticals, medical material production), testing operations (laboratories processing test kits), and energy (nuclear facilities) Workers at nuclear facilities, workers managing medical waste, workers managing waste from pharmaceuticals and medical material production, and workers at laboratories processing tests Workers who support hazardous materials response and cleanup.
- Workers who maintain digital systems infrastructure supporting hazardous materials management operations.

FINANCIAL SERVICES

- Workers who are needed to provide, process and maintain systems for processing, verification, and recording of financial transactions and services, including payment, clearing, and settlement; wholesale funding insurance services; consumer and commercial lending and capital markets activities).
- Workers who are needed to maintain orderly market operations to ensure the continuity of financial transactions and services.
- Workers who are needed to provide business, commercial, and consumer access to bank and non-bank financial services and lending services, including ATMs, lending and money transmission, and to move currency, checks, securities, and payments (e.g., armored cash carriers).
- Workers who support financial operations and those staffing call centers, such as those staffing data and security operations centers, managing physical security, or providing accounting services.
- Workers supporting production and distribution of debit and credit cards.
- Workers providing electronic point of sale support personnel for essentialbusinesses and workers.

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CHEMICAL

- Workers supporting the chemical and industrial gas supply chains, including workers at chemical manufacturing
 plants, workers in laboratories, workers at distribution facilities, workers who transport basic raw chemical
 materials to the producers of industrial and consumer goods, including hand sanitizers, food and food additives,
 pharmaceuticals, pointings and coarings, textiles, building materials, plumbing, electrical, and paper products.
- Workers supporting the safe transportation of chemicals, including those supporting tank truck cleaning facilities and workers who manufacture packaging items.
- Workers supporting the production of protective cleaning and medical solutions, personal protective equipment, disinfectants, fragrances, and packaging that prevents the contamination of food, water, medicine, among others essential.
- Workers supporting the operation and maintenance of facilities (particularly those with high risk chemicals and/ or sites that cannot be shut down) whose work cannot be done remotely and requires the presence of highly trained personnel to ensure safe operations, including plant contract workers who provide inspections.
- Workers who support the production and transportation of chlorine and alkali manufacturing, single-use
 plastics, and packaging that prevents the contamination or supports the continued manufacture of food, water,
 medicine, and other essential products, including glass container manufacturing.

DEFENSE INDUSTRIAL BASE

- Workers who support the essential services required to meet national security commitments to the federal
 government and U.S. Military. These individuals include, but are not limited to space and aerospace;
 mechanical and software engineers (various disciplines), manufacturing/production workers; IT support;
 security staff; security personnet: intelligence support, aircraft and weapon system mechanics and maintainers;
 and sanitary workers who maintain the hygienic viability of necessaryfacilities.
- Persannel working for companies, and their subcontractors, who perform under contract or sub-contract to the
 Department of Defense, as well as personnel at government-owned/contractor-operated and governmentowned/government-operated facilities, and who provide materials and services to the Department of Defense,
 including support for weapon systems, software systems and cybersecurity, defense and intelligence
 communications and surveillance, space systems and other activities in support of our military, intelligence and
 space forces.

COMMERCIAL FACILITIES

- Workers who support the supply chain of building materials from production through application, including cabinetry, fixtures, doors, cement, hardware, plumbing, electrical, heating/cooling, refrigeration, appliances, paint/coatings, and employees who provide services that enable repair materials and equipment for essential functions.
- Workers supporting ecommerce through distribution, warehouse, call center facilities, and other essential
 operational support functions.
- Workers in hardware and building materials stores, consumer electronics, technology and appliances retail, and related merchant wholesalers and distributors - with reduced staff to ensure continued operations.
- Workers distributing, servicing, repairing, installing residential and commercial HVAC systems, boilers, furnaces and other heating, cooling, refrigeration, and vertilation-equipment.

RESIDENTIAL/SHELTER FACILITIES AND SERVICES

Workers in dependent care services, in support of workers in other essential products and services.

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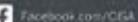


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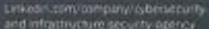


- Workers who support food, shelter, and social services, and other necessities of life for needy groups and individuals, including in-need populations and COVID-19 responders (including travelling medical staff).
- Workers in animal shelters.
- Workers responsible for the leasing of residential properties to provide individuals and families with ready access to available housing.
- Workers responsible for handling property management, maintenance, and related service calls who can coordinate the response to emergency "at-home" situations requiring immediate attention, as well as facilitate the reception of deliveries, mail, and other necessary services.
- Workers performing housing construction related activities to ensure additional units can be made available to combat the nation's existing housing supply shortage.
- Workers performing services in support of the elderly and disabled populations who coordinate a variety of services, including health care appointments and activities of dailyliving.
- Workers supporting the construction of housing, including those supporting government functions related to the building and development process, such as inspections, permitting and plan review services that can be modified to protect the public health, but fundamentally should continue and serve the construction of housing (e.g., allow qualified private third-party inspections in case of government shuidown).

HYGIENE PRODUCTS AND SERVICES

- Workers who produce hygiene products.
- Workers in laundromats, laundry services, and dry cleaners.
- Workers providing personal and household goods regain and maintenance.
- Workers providing disinfection services, for all essential facilities and modes of transportation, and supporting the sanitation of all food manufacturing processes and operations from wholesale to retail.
- Workers necessary for the installation, maintenance, distribution, and manufacturing of water and space heating equipment and its components.
- Support required for continuity of services, including commercial disinfectant services, janitorial/cleaning. personnel, and support personnel functions that need freedom of movement to access facilities in support of front-line employees.











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COVID-19 Alert - For the latest information on the novel coronavirus in Kentucky, please visit kycovid19.ky.gov (https://kycovid19.ky.gov)

Gov. Beshear Asks for Kentuckians' Best Efforts in COVID-19 Fight

Crystal Staley or Sebastian Kitchen 502-564-2611 (tel:502-564-2611) https://governor.ky.gov (https://governor.ky.gov)

Office of the Governor 700 Capitol Avenue FrankfortKY40601

4/15/2020

Amid Passover and Easter celebrations, Governor urges compliance as cases continue to grow Visit the Governor's Facebook (https://www.facebook.com/GovAndyBeshear/videos/644691246364408/) page to watch today's news conference

FRANKFORT, Ky. (April 10, 2020) – Gov. Andy Beshear on Friday urged Kentuckians of all faiths to stay strong in the fight against the novel coronavirus disease 2019 (COVID-19) as cases continue to grow.

"This is a time and weekend, a whole week for multiple faiths, that is about faith. It's about knowing we have faced as people – as Christians, as Jews, as members of many faiths – many difficult, dark times, and we have prevailed," the Governor said. "We know that the weeks or the months ahead will be difficult. We know that there are going to be tougher days before there are easier days. But we also know because we have faith that we are going to get through this and we are going to get through it together. We are going to pass this test of humanity."

While getting compliance and support from a vast majority of leaders and Kentuckians in the faith community, Gov. Beshear is warning anyone planning to attend an in-person mass gathering this weekend that they will face quarantine orders.

"This is the only way we can ensure that your decision doesn't kill someone else," the Governor said. Gov. Beshear has noted that an outbreak in Hopkins County that sickened dozens and led to multiple deaths was traced to a church revival there in mid-March.

He said officials are aware of only about six churches in the commonwealth that are still planning to hold inperson services.

Anyone attending such a gathering will be notified it is misdemeanor violation of the emergency orders issued by the Governor and Kentucky Department for Public Health. The Governor said the order is for all mass gatherings and not just worship services.

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Gov. Beshear said Kentucky State Police will be recording the license plate numbers of any vehicle seen at the gatherings. Local health officials then will contact the people associated with those vehicles and require them to self-quarantine for 14 days.

"Folks, we shouldn't have to do this," the Governor said. "What we're asking is for you to love your neighbor as yourself. We shouldn't have to do this."

Gov. Beshear also played a video featuring faith leaders from around the commonwealth, who all stressed that Kentuckians need to stay healthy at home this weekend.

"I want to encourage you to meet together separately this Sunday, to remind you that on that first Easter Jesus came to people behind locked doors," Chris Michael, pastor of the First Christian Church, Disciples of Christ in Owensboro said. "He will come to you as well."

While mass gatherings are banned and many travel restrictions are in place, the Governor has told Kentuckians not to worry about the Easter Bunny, who has been deemed an "essential worker" and will be able to travel and work this weekend.

Long-term care task force

Gov. Beshear on Friday convened a new task force aimed at addressing concerns in Kentucky's long-term care facilities, where residents and staffers are at elevated risk to coronavirus outbreaks.

The new 10-member advisory board is comprised of professionals who represent a range of specialties and perspectives.

"This fast-moving situation," said Eric Friedlander, acting secretary of the Cabinet for Health and Family Services. "We've asked a very small group of individuals – 10 individuals, most of them physicians – to come and help us think through how to balance all these different things, and to make sure we're protecting our loved ones."

The board's initial goal is to develop a variety of protocols to help the facilities operate safely while dealing with COVID-19 cases amid residents and staffers.

Sign language lesson

Virginia Moore, executive director of the Kentucky Commission on the Deaf and Hard of Hearing (https://www.kcdhh.ky.gov/), provided a lesson Friday in American Sign Language.

Moore took to the lectern and explained how to sign the phrase that Gov. Beshear repeats at the beginning of each news conference on the coronavirus: "We will get through this, and we will get through this together."

Gov. Beshear participated in learning ASL and promised that Moore will continue to offer lessons at future news conferences "so as we go through this each and every day, so that all of us can better communicate with each and every brother and sister here in the commonwealth."

Case information

As of 5 p.m. April 10, Gov. Beshear said there were at least 1,693 coronavirus cases (https://governor.ky.gov/attachments/20200410_COVID19_Case-Information.pdf) in Kentucky, 242 of which were newly confirmed. The total included a revision after a duplicate report was discovered.

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"It is here. We are in the midst of our surge and escalating cases. Now is the time we have to be at our very best," the Governor said. "The next couple of weeks being absolutely critical not only to us blunting or flattening the curve but really protecting those that are most vulnerable, especially our seniors that are in different types of assisted living facilities."

Even amid the escalating cases, Gov. Beshear noted a hopeful sign as Kentuckians recover from the illness.

"We can report – this is really good news – that we have had at least 464 Kentuckians recovered. That's 27 percent," he said. "And when you think about the period of time that it takes to recover, because it's not real short, that's real positive news already."

Sadly, Gov. Beshear said 11 new deaths were reported Friday, raising the state's toll to 90 deaths related to the virus.

The newly reported deaths include six men from Jefferson County, ages 66, 68, 75, 92 and two 73-year-olds; a 77-year-old man from Butler County; a 75-year-old woman in Meade County; a 75-year-old man in McCracken County; an 80-year-old man in Hopkins County; and an 81-year-old from Daviess County.

As a sign of compassion and renewal, the Governor asked Kentuckians again to join him in lighting their homes green tonight in honor of the lives lost.

"These are 11 individuals that are loved by their families, their communities," Gov. Beshear said. "That means we've lost 90 amazing Kentuckians, which is a loss to all of us. So for 90 separate Kentuckians, let's commit to do better. I know you're working hard; let's commit to do better."

Gov. Beshear also offered an update on the racial breakdown of COVID-19 patients, which has been the subject of news stories across the country.

The Governor said with about 69% of the known cases accounted for, Kentucky's cases included about 81.72% Caucasian, 11.70% African-American, 3.54% other race, 2.5% Asian, 3.86% multiracial and 0.1% Native American or Alaskan Native.

On fatalities attributed to the coronavirus, with about 81% of the known cases accounted for, Kentucky deaths included about 79.45% Caucasian, 19.17% African-American and 1.36% Asian.

More information

The Governor is asking all Kentuckians to continue to fight the spread of the virus by following his 10-step guidance (https://www.facebook.com/GovAndyBeshear/photos/rpp.105907124194995/200763924709314/? type=3&theater), which includes practicing social distancing and staying *healthy at home*. Gov. Beshear says these efforts have the potential to save the lives of as many as 11,000 Kentuckians.

Read about other key updates, actions and information from Gov. Beshear and his administration at governor.ky.gov (https://governor.ky.gov/news), kycovid19.ky.gov (https://govstatus.egov.com/kycovid19) and the Governor's official social media accounts Facebook (https://www.facebook.com/GovAndyBeshear/), Twitter (https://twitter.com/GovAndyBeshear) and YouTube (https://www.youtube.com/c/GovAndyBeshear). Watch the Governor's social media accounts at 5 p.m. ET each day for his regular briefing.

The U.S. Centers for Disease Control and Prevention (CDC) encourages people to follow these steps to prevent illness (https://www.cdc.gov/coronavirus/2019-ncov/about/prevention.html?

CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fabout%2Fprevention
EMAIL (mailto:support@kentucky.gov)

4/15/2020

https://kentucky.gov/Pages/Activity-stream.aspx?n=GovernorBeshear&prld=122

treatment.html). Kentuckians who want advice can call the state hotline at 800-722-5725 or call their local health care provider.

Team Kentucky hashtags for social media

#TeamKentucky, #TogetherKY, #Patriot and #HealthyAtHome.

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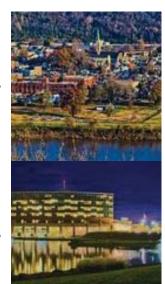
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Back to Top

UNITED STATES DISTRICT COURT WESTERN DISTRICT OF KENTUCKY LOUISVILLE DIVISION

MARYVILLE BAPTIST CHURCH, INC., and DR. JACK ROBERTS,)
Plaintiffs,) CASE NO. <u>3:20CV-278-DJH</u>
V.)
ANDY BESHEAR, in his official capacity as Governor of the Commonwealth of Kentucky,)))
Defendant.)

DECLARATION OF DAVID CARR

- 1. I am over the age of 18 years, I have personal knowledge of the matters set forth in this declaration, and I would testify competently as to such matters if called to do so.
 - 2. I am a resident of Pulaski County, Kentucky.
- 3. I am the founder and C.E.O. of King of Kings Radio Network located in Somerset, Kentucky.
 - 4. I am a member of the media.
- 5. I visited Maryville Baptist Church, 130 Smith Lane, Louisville, KY on Easter Sunday, April 11, 2020, from 9:45 A.M. to 11:45 A.M. E.D.T.
- 6. I personally witnessed the Easter Sunday Service held at Maryville Baptist Church, both inside the church building, and the "drive-in" service outside in the parking lot.

7. I took photos of the "drive-in" service in the parking lot, including the following photograph which accurately depicts the parking lot during the "drive-in" service:



8. The Kentucky State Police posted copies of a "NOTICE" on both occupied and unoccupied vehicles in the parking lot during the Easter Service. The following is an accurate depiction of the NOTICE that was posted:



- 9. At least two vehicles that were occupied when the State Police posted copies of the NOTICE on them immediately left the parking after the posting of the NOTICE on them.
- 10. At approximately 12:00 P.M. E.D.T. on Easter Sunday, immediately after the Maryville Baptist Church Easter Service, I observed and took photographs at the parking lots of nearby businesses, including Walmart and Kroger, both of which are less than one mile from Maryville Baptist Church.

11. The Walmart parking lot contained approximately 100–150 vehicles, and a Walmart employee who was counting customers going into the store advised me there were 144 people in the Walmart at the time. Below is a photograph I took accurately depicting the cars in the section of the Walmart parking lot visible in the photograph:



12. The Kroger shopping center parking lot, approximately 200 yards from the Walmart parking lot, contained more than 150 cars, and I observed more people in the Kroger than were in the Walmart. Below is a photograph I took accurately depicting the cars in the section of the Kroger shopping center parking lot visible in the photograph:



I DECLARE under penalty of perjury that the foregoing is true and correct. EXECUTED this April 17, 2020.

s/ David Carr	
David Carr	

NOTICE

This vehicle's presence at this location indicates that its occupants are present at a mass gathering prohibited by Orders of the Governor and the Cabinet for Health and Family Services. As a result, this vehicle's occupants, and anyone they come into contact with, are at risk of contracting COVID-19, a respiratory illness that can be severe and lead to death, particularly for older adults and those with underlying heart, lung, kidney, and immunity issues.

Where people congregate unnecessarily, or fail to follow adequate social distancing practices, they are spreading COVID-19, CREATING SCENES OF AN EMERGENCY

THIS VEHICLE'S LICENSE PLATE NUMBER HAS BEEN RECORDED.*

Employees of the local health department will be contacting those associated with this vehicle with self-quarantine documents, including an agreement requiring this vehicle's occupants and anyone in the household to self-quarantine for 14 days.

Failure to sign or comply with the agreement may result in further enforcement measures.

Please be advised that KRS 39A.990 makes it a Class A misdemeanor to violate an emergency order.

*Records maintained by the Commonwealth are subject to disclosure under the Open Records Act.