CITY OF FRISCO, TEXAS **ORDINANCE NO.: 2020-04-22**

AN ORDINANCE OF THE CITY OF FRISCO, TEXAS, AMENDING ORDINANCE NOS. 2020-03-12 AND 2020-03-13, CONTINUING THE MAYOR'S AMENDED DECLARATION OF LOCAL DISASTER FOR PUBLIC HEALTH EMERGENCY; PRESCRIBING NEW ORDERS TO HELP ABATE THE PUBLIC HEALTH EMERGENCY, INCLUDING A MANDATORY STAY-AT-HOME ORDER; MODIFYING CERTAIN EXISTING ORDERS; PROVIDING AN ENFORCEMENT CLAUSE, SEVERABILITY CLAUSE AND AN EFFECTIVE DATE.

WHEREAS, beginning in December 2019, a novel coronavirus, now designated COVID-19, spread through the world and has now been declared a global pandemic by the World Health Organization; and

WHEREAS, symptoms of COVID-19 include fever, coughing and shortness of breath and, in some cases, the virus has caused death; and

WHEREAS, on March 13, 2020, the Governor of the State of Texas declared a statewide public health emergency; and

WHEREAS, on March 16, 2020, the Mayor declared a local disaster for public health emergency in the City of Frisco, Texas ("Frisco"); and

WHEREAS, the County Judge of Collin County and the County Judge of Denton County have declared a local disaster for public health emergency in those respective jurisdictions; and

WHEREAS, the Centers for Disease Control and Prevention ("CDC") has advised that person-to-person contact heightens the risk of COVID-19 transmission; and

WHEREAS, the President's Coronavirus Guidelines for America, as promulgated by President Donald J. Trump and the CDC on March 16, 2020, call upon Americans to slow the spread of COVID-19 by avoiding social gatherings in groups of more than 10 people, using drive-thru, pickup, or delivery options at restaurants and bars, and avoiding visitation at nursing homes, among other steps; and

WHEREAS, on March 19, 2020, the Governor of the State of Texas issued Executive Order GA 08, mandating the avoidance of social gatherings in groups of more than 10 people, the avoidance of eating or drinking at bars, restaurants, and food courts, or visiting gyms or massage parlors, the avoidance of visiting nursing homes or retirement or long-term care facilities unless to provide critical assistance, and closing schools throughout the State of Texas for a period of time; and

WHEREAS, on March 19, 2020, the Mayor issued an amended declaration of local disaster for public health emergency in Frisco; and

WHEREAS, the City Council of the City of Frisco, Texas ("City Council") finds that extraordinary measures must be taken to contain COVID-19 and prevent its spread throughout Frisco, and the declaration of local disaster and public health emergency includes the ability to reduce the possibility of exposure to disease, control the risk, promote health, compel persons to undergo additional health measures that prevent or control the spread of disease, including isolation, surveillance, quarantine, or placement of persons under public health observation, including the provision of temporary housing or emergency shelters for persons misplaced or evacuated and request assistance from the Governor of state resources; and

WHEREAS, the continued worldwide spread of COVID-19 presents an imminent threat of widespread illness, which requires emergency action; and

WHEREAS, the conditions necessitating the declaration of a state of disaster continue to exist and are anticipated to continue to exist at least until April 30, 2020; and

WHEREAS, on March 20, 2020, the City Council adopted Ordinance No. 2020-03-12, continuing and extending the Mayor's amended declaration and prescribing certain orders to help abate the public health threat; and

WHEREAS, on March 27, 2020, the City Council adopted Ordinance No. 2020-03-13, which amended Ordinance No. 2020-03-12 and prescribed certain additional orders to help abate the public health threat; and

WHEREAS, since March 27, 2020, the City Council and City staff have continued to evaluate the community spread of COVID-19 and have reviewed updated guidance and orders from the CDC, the Governor of the State of Texas, the Collin County Judge, the Denton County Judge and others, and the City Council has concluded that it is necessary to amend Ordinance Nos. 2020-03-12 and 2020-03-13; and

WHEREAS, on March 31, 2020, the Governor of the State of Texas issued Executive Order GA 14 relating to statewide continuity of essential services and activities during the COVID-19 disaster; and

WHEREAS, the City Council finds that it is in the best interest of the citizens of Frisco to amend Ordinance Nos. 2020-03-12 and 2020-03-13 as set forth herein, continue the amended declaration in accordance with Section 418.108(b) of the Texas Government Code and Section 122.006 of the Texas Health and Safety Code and prescribe additional orders and modify certain existing orders to help abate the public health threat and to serve the public health, safety and welfare.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF FRISCO, TEXAS:

SECTION 1: The findings set forth above are incorporated into the body of this Ordinance as if fully set forth herein.

SECTION 2: Pursuant to Section 418.108 of the Texas Government Code, the City Council finds and declares a local state of disaster for public health emergency in Frisco as a result of the impact of COVID-19. The amended declaration of local disaster issued by the Mayor on March 19, 2020 and Ordinance Nos. 2020-03-12 and 2020-03-13 are hereby continued as provided in Section 418.108(b) of the Texas Government Code.

SECTION 3: Pursuant to Sections 121.003 and 122.006 of the Texas Health and Safety Code, Section 418.108 of the Texas Government Code, Chapter 81 of the Texas Health and Safety Code and such other powers the City of Frisco may have under the City Charter and other laws, the City Council hereby adopts and approves the following orders, which shall apply throughout Frisco and shall be in effect on and from the date of this Ordinance and through April 30, 2020, provided, however, that any such order may be terminated before April 30, 2020, by subsequent order of the Mayor or City Council, and may be continued or renewed beyond April 30, 2020 only with the consent of the City Council:

1. Effective 11:59 p.m. on April 7, 2020, and continuing until the expiration or termination of this declaration or on such other date as determined by the Mayor or City Council, subject to extension with the consent of City Council, the following is hereby ordered:

    a. All individuals currently living within Frisco are ordered to STAY AT HOME or their current place of residence. For the purposes of this Order, residences include hotels, motels, shared rentals and similar facilities. To the extent individuals are using shared or outdoor spaces, they must at all times as reasonably as possible maintain social distancing of at least six feet from any other person when they are outside their residence. All persons may leave their residences only for Essential Activities within Frisco (travel outside Frisco is not prohibited by this Order), to provide or perform Essential Governmental Functions or to operate Essential Businesses, all as defined below in Section 1.g.

    b. All businesses operating within Frisco, except Essential Businesses as defined below in Section 1.g.(2), are required to cease all activities at facilities located within Frisco. To the greatest extent possible, all Essential Businesses shall comply with the Social Distancing Guidelines set forth by the CDC, including maintaining six-foot social distancing for both employees and the general public.

    c. All public or private gatherings of any number of people occurring outside a single household or living unit are prohibited, except as otherwise provided herein. Nothing in this Order prohibits the gathering of members of a household or living unit (an apartment or house for use by one family).

d. Restaurants and beverage bars with or without drive-in or drive-through services and microbreweries, micro-distilleries or wineries may only provide take out, delivery or drive-through services as allowed by law.

e. Religious services may be conducted in accordance with the requirements of the Governor's Executive Order No. GA 14 and the Guidance for Houses of Worship During the COVID-19 Crisis issued by the Office of the Texas Attorney General and the Office of the Governor on April 1, 2020. Funerals are allowed with appropriate social distancing.

f. All elective medical, surgical and dental procedures are prohibited anywhere in Frisco. Hospitals, ambulatory surgery centers, dental offices and other medical facilities are directed to identify procedures that are deemed "elective" by assessing which procedures can be postponed or canceled based on patient risk considering the emergency need for the redirection of resources to COVID-19 response.

g. Definitions and Scope:

(1) For purposes of this Order, individuals may leave their residence only to perform any of the following, which are defined as "Essential Activities":

(A) To engage in activities or perform tasks essential to their health and safety, or to the health and safety of their family or household members including pets and livestock (for example, obtaining medical supplies or medication, visiting a health care professional, caring for pets or livestock or obtaining supplies required to work from home).

(B) To obtain necessary services or supplies for themselves and their family or household members, or to deliver those services or supplies to others (for example, food, pet supply and any other essential household consumer products, and products necessary to maintain the safety, sanitation and essential operation of residences).

(C) To engage in outdoor activity, provided that the individuals comply with social distancing requirements of six feet, except as family units (for example, walking, biking, hiking or running). Use of publicly accessible playground equipment is prohibited. Golf courses may open for outdoor golf activities provided that they comply with the

golf operations recommendations issued by the PGA of America, as they exist or may be amended, and any other conditions issued by the City Manager or his designee.

(D) To perform work for an Essential Business or to carry out activities permitted explicitly in this Order.

(E) To care for a family member or pet in another household.

(2) For purposes of this Order, "Essential Businesses" as identified by the National Cybersecurity and Infrastructure Agency (CISA), Memorandum of Essential Critical Infrastructure document version 2.0 (attached hereto), as it exists or may be amended and any successor memorandum that may be published, and as further expanded on and defined as follows:

(A) **Essential Healthcare Operations**. Healthcare operations, including hospitals, clinics, dentists, pharmacies, pharmaceutical and biotechnology companies, other healthcare facilities, healthcare suppliers, mental health providers, substance abuse service providers, blood banks, medical research, laboratory services or any related and/or ancillary healthcare services. Home-based and residential-based care for seniors, adults or children is also considered healthcare operations. Healthcare operations also include veterinary care and all health and welfare services provided to animals. This exemption shall be viewed broadly to avoid any impacts on the delivery of healthcare. Healthcare operations do not include fitness and exercise gyms and similar facilities. Healthcare operations do not include elective medical, surgical and dental procedures as established in accordance with Subsection 1.f. of this Order.

(B) **Essential Government Functions**. All services provided by local governments needed to ensure the continuing operation of the government agencies to provide for the health, safety and welfare of the public. Further, nothing in this Order shall prohibit any individual from performing or accessing "Essential Government Functions." All Essential Government Functions shall be conducted in compliance with social distancing requirements of six feet, to the extent possible. State or Federal government agencies shall follow State or Federal guidance to the extent possible.

(C) **Education**. The Superintendent, Headmaster or CEO of a school district, charter school, or private school shall designate school personnel who are essential to the operation and support of distance-learning for students, preparation and distribution of meals to students and maintenance/cleaning of facilities during the time of this Order.

(D) **Essential Critical Infrastructure**. Work necessary to the operations and maintenance of the critical infrastructure sectors as identified by the National Cybersecurity and Infrastructure Agency (CISA), Memorandum of Essential Critical Infrastructure (attached hereto), including public works construction, residential and commercial construction, airport operations, water, sewer, gas, electrical, oil refining, roads and highways, public transportation, solid waste collection and removal, Internet, and telecommunications systems (including the provision of essential global, national, and local infrastructure for computing services, business infrastructure, communications, and web-based services), banks, financial institutions, pawn shops, safety and security related services, retail firearm sales, defense and national security-related operations, essential manufacturing operations provided that they carry out those services or that work in compliance with social distancing requirements of six-feet, to the extent possible. Essential Businesses providing essential infrastructure should implement screening precautions to protect employees, and all activity shall be performed in compliance with Social Distancing Guidelines as set forth by the CDC.

(E) **Essential Retail**. Foodservice and essential household staple providers, including grocery stores, warehouse stores, big-box stores, liquor stores, gas stations, convenience stores and farmers markets. Food gathering, including farming, gardening, hunting, fishing and livestock to the extent allowed by law. Businesses that ship or deliver groceries, food, goods or services directly to residences. Restaurants and other facilities that prepare and serve food, but only for delivery, carry out or drive thru. Schools and other entities that typically provide free meal services to students or members of the public on a pick-up and take-away basis only. The restriction of delivery or carry out does not apply to cafes and restaurants located

within hospitals and medical facilities. Laundromats, dry cleaners and laundry service providers. Gas stations, auto-supply, auto and bicycle repair shops, construction supply stores and hardware stores. A retail store supplying essential office products required to work from home. Essential retail does not include furniture stores.

(F) **Providers of Basic Necessities to Economically Disadvantaged Populations**. Businesses, including non-profit organizations, that provide food, shelter and social services and other necessities of life for economically disadvantaged or otherwise needy individuals.

(G) **Essential Services Necessary to Maintain Essential Operations of Residences or Other Essential Businesses**. Trash and recycling collection, processing and disposal, mail and shipping services, building cleaning, maintenance and security, warehouse/distribution and fulfillment, storage for essential businesses, funeral homes, crematoriums and cemeteries. Plumbers, electricians, exterminators and other service providers who provide services that are necessary to maintain the safety, sanitation and essential operations of residences and Essential Businesses. Professional services, such as legal services, accounting services, insurance services, property management and real-estate services, pet grooming and pet boarding services, RV sales and services for housing. Businesses that supply other Essential Businesses with support or supplies needed to operate.

(H) **Automobile Sales**. Automobile dealerships may continue online sales; showrooms must remain closed. Appointments for necessary paperwork may be arranged and conducted while practicing social distancing. Virtual test drives shall be used in lieu of traditional test drives.

(I) **News Media**. Newspapers, television, radio, and other media services.

(J) **Childcare Services**. Childcare facilities providing services that enable employees exempted in this Order to work as permitted.

(K) **Other Businesses as Approved by TDEM**. Businesses and services not identified as essential in this Order may be

deemed essential for the purpose of this Order with the approval of the Texas Division of Emergency Management (TDEM) in accordance with the Governor's Executive Order GA 14. A business or service located in Frisco that TDEM approves as "essential" in accordance with Executive Order GA 14 shall provide written evidence of the same to Frisco as soon as reasonably possible after such approval.

h. Any manufacturer who retools their business for manufacturing and producing ventilators and other medical equipment to be used in treating persons with COVID-19 shall qualify as an "Essential Business" under this Order.

i. Grocery stores, supermarkets, warehouse stores, hospitals and medical facilities are experiencing high levels of demand for a large number of products, requiring more deliveries from manufacturers and distribution centers to serve their customers. Due to the need to deliver products as quickly and efficiently as possible during this critical timeframe, this Order hereby suspends all delivery hour restrictions for transport to or from any entity involved in the selling or distribution of food products, medicine or medical supplies and equipment in Frisco.

j. If someone in a household has tested positive for COVID-19, the household is ordered to isolate at home. Members of the household cannot go to work, school or any other community function until cleared by a medical professional or in accordance with CDC guidance.

k. Nursing homes, retirement and long-term care facilities are instructed by this Order to prohibit non-essential visitors from accessing their facilities unless to provide critical assistance or for end-of-life visitation.

l. Public and private schools and institutions of higher education are instructed by this Order to review and update their Emergency Management Plans at least 72 hours before students return to a classroom setting.

m. The owner, manager or operator of any facility that is likely to be impacted by this Order is strongly encouraged to post a copy of this Order on site and to provide a copy to any member of the public asking for a copy.

2. Pursuant to Section 418.108(d) of the Texas Government Code, the City of Frisco Emergency Management Plan shall remain active throughout the duration of this disaster declaration. All aspects of the City of Frisco's Emergency Management Plan not already activated are hereby activated as provided in the plan to the extent determined by the City Manager to be necessary to respond to the COVID-19 emergency.

3. Pursuant to Section 418.020(d) of the Texas Government Code, the City of Frisco is authorized to: (1) temporarily or permanently acquire by lease, purchase or other means sites required for installation of temporary housing units, emergency shelters or public health facilities for disaster victims; and (2) enter into arrangements necessary to prepare or equip the sites to use the housing units, emergency shelters or public health facilities, including arrangements for the purchase of temporary housing units, emergency shelters or public health facilities and the payment of transportation charges.

4. Pursuant to Section 122.006 of the Texas Health and Safety Code, the City of Frisco is authorized to adopt rules to protect the health of persons in the Frisco, including quarantine rules to protect its residents against communicable disease and provide for the establishment of quarantine stations, emergency hospitals and other hospitals.

5. The hoarding of food and other items necessary for daily living is prohibited. The City Manager is authorized to distribute to retailers within Frisco a list containing per-customer limitations on purchases. The City Attorney is authorized to take such action as allowed by law, in coordination with the Texas Attorney General, to enforce prohibitions on price-gouging.

6. The City Manager and his designees are hereby authorized to exclude from any City of Frisco facility a person whom the City Manager or his designee has reasonable cause to believe is ill with, has been exposed to or is the carrier of the virus that causes the sickness known as COVID-19.

7. The Grove at Frisco Commons and all Parks and Recreation facilities are closed until April 30, 2020, at which time the closure will be reassessed and may be extended at the discretion of the City Manager. Parks and trails shall remain open.

8. All library facilities are closed until April 30, 2020, at which time the closure will be reassessed and may be extended at the discretion of the City Manager.

9. All City of Frisco board and commission meetings, with the exception of City Council, the Planning & Zoning Commission, the Frisco Economic Development Corporation Board, the Frisco Community Development

Corporation Board and any other meeting required by law to be held, are postponed for the duration of this disaster declaration.

10. All youth sports leagues will be suspended through April 30, 2020, for practice and play at which time the closure will be reassessed and may be extended at the discretion of the City Manager.

11. All citizens are encouraged to watch City Council and Planning & Zoning Commission meetings online rather than attend in person. For City Council meetings, members of the public can submit comments of public interest or comments on agenda items electronically to the City of Frisco at citysec@friscotexas.gov. For Planning & Zoning Commission meetings, members of the public can submit comments on agenda items electronically to the City of Frisco at citysec@friscotexas.gov.

12. City of Frisco-sponsored and -permitted special events and public rentals of City-owned facilities through April 30, 2020, are cancelled and refunds of deposit and/or fees for events and cancellations/refunds may be extended at the discretion of the City Manager.

13. All public, private, and commercial labs within Frisco are encouraged to report the number of COVID-19 tests conducted on a daily basis to the City of Frisco.

14. This Ordinance hereby incorporates and enacts the regulations set forth in the Governor's Executive Order GA 14 to the extent they are not inconsistent with this Ordinance.

SECTION 4: The City Council hereby finds that while in a state of disaster, there is a compelling public purpose in maintaining the City workforce and ensuring continuity in staffing while continuing the City's services while also recognizing that certain facilities and/or operations may need to be temporarily closed or suspended and/or certain personnel may encounter disaster-related events that prevent them from working at full capacity intermittently during the public health emergency. The City Council hereby authorizes the City Manager to make any staffing and compensation-related decisions necessary to adapt to the rapidly changing environment created by the public health emergency to meet the objectives stated herein and authorizes the expenditure of City funds to accommodate same. Any expenditure of funds beyond that approved in the FY 19-20 budget must come to the City Council for ratification at a City Council meeting, though the expenditure may be made prior to City Council ratification due to the public health emergency.

SECTION 5: The City Council hereby finds that for the duration of this disaster declaration, immediate procurement may be necessary to preserve and protect public health and safety. Accordingly, the City Council hereby authorizes the City Manager to purchase goods or services as necessary for ratification by the City Council at a later date as long as the

procurement is in compliance with state law requirements.

SECTION 6: The City Council hereby finds that a public necessity exists to authorize the City Manager during the duration of this disaster to determine whether it is difficult or impossible for a quorum of the members of decision-making boards of the City of Frisco to meet in person based on public health and safety concerns related to the pandemic. If such a determination is made, decision-making boards will be authorized to conduct their public meetings via telephone conference pursuant to Section 551.125(b) of the Texas Government Code and/or the Governor's Order temporarily suspending certain provisions of the Texas Open Meetings Act and guidance received from the Texas Attorney General's Office.

SECTION 7: The City Council hereby authorizes the City Manager to temporarily waive any City Code regulations that are difficult or impossible to comply with during the term of this declaration of disaster as long as such waiver is not inconsistent with state law.

SECTION 8: Pursuant to Section 418.018(c) of the Texas Government Code, the declaration shall be given prompt and general publicity and shall be filed promptly with the City Secretary.

SECTION 9: All provisions of the Code of Ordinances of the City of Frisco, codified or uncodified, in conflict with the provisions of this Ordinance are hereby temporarily superseded by this Ordinance for the duration of this declaration. Should any section, subsection, sentence, clause or phrase of this Ordinance be declared unconstitutional and/or invalid by a court of competent jurisdiction, it is expressly provided that any and all remaining portions of this Ordinance shall remain in full force and effect. The City Council declares that it would have passed this Ordinance, and each section, subsection, clause or phrase thereof, regardless of whether any one or more sections, subsections, sentences, clauses or phrases is declared unconstitutional and/or invalid.

SECTION 10: Ordinance Nos. 2020-03-12 and 2020-03-13 shall remain in full force and effect, save and except as amended by this or any other ordinance. All provisions of any ordinance in conflict with this Ordinance are hereby repealed to the extent they are in conflict; but such repeal shall not abate any pending prosecution for violation of the repealed ordinance, nor shall the repeal prevent a prosecution from being commenced for any violation if occurring prior to the repeal of the ordinance. Any remaining portions of said ordinances shall remain in full force and effect.

SECTION 11: A violation of any provision of this Ordinance shall be a misdemeanor punishable in accordance with Section 1-12 of the Code of Ordinances of the City of Frisco, Texas. The City Council hereby authorizes the use of all other lawfully available enforcement measures in the event of a violation of any provision of this Ordinance. A violation of any provision of this Ordinance shall constitute a separate violation for each calendar day in which it occurs.

SECTION 12: This Ordinance shall take effect immediately upon its passage and publication as required by law. This Ordinance expires on the earlier to occur of the termination of the state of emergency declared by the President of the United States or April 30, 2020, unless extended by the affirmative vote of the City Council.

DULY PASSED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF FRISCO, TEXAS on this 7th day of April, 2020

Jeff Cheney, Mayor

ATTESTED TO AND CORRECTLY RECORDED BY:

Kristi Morrow, City Secretary

APPROVED AS TO FORM:

Abernathy Roeder Boyd & Hullett, P.C.
Ryan D. Pittman, City Attorneys

U.S. Department of Homeland Security
Cybersecurity & Infrastructure Security Agency
Office of the Director
Washington, DC 20528

CISA
CYBER+INFRASTRUCTURE

March 28, 2020

ADVISORY MEMORANDUM ON IDENTIFICATION OF ESSENTIAL CRITICAL INFRASTRUCTURE WORKERS DURING COVID-19 RESPONSE

FROM: Christopher C. Krebs
Director
Cybersecurity and Infrastructure Security Agency (CISA)

As the Nation comes together to slow the spread of COVID-19, on March 16th the President issued updated Coronavirus Guidance for America that highlighted the importance of the critical infrastructure workforce.

The Cybersecurity and Infrastructure Security Agency (CISA) executes the Secretary of Homeland Security's authorities to secure critical infrastructure. Consistent with these authorities, CISA has developed, in collaboration with other federal agencies, State and local governments, and the private sector, an "Essential Critical Infrastructure Workforce" advisory list. This list is intended to help State, local, tribal and territorial officials as they work to protect their communities, while ensuring continuity of functions critical to public health and safety, as well as economic and national security. Decisions informed by this list should also take into consideration additional public health considerations based on the specific COVID-19-related concerns of particular jurisdictions.

This list is advisory in nature. It is not, nor should it be considered, a federal directive or standard. Additionally, this advisory list is not intended to be the exclusive list of critical infrastructure sectors, workers, and functions that should continue during the COVID-19 response across all jurisdictions. Individual jurisdictions should add or subtract essential workforce categories based on their own requirements and discretion.

The advisory list identifies workers who conduct a range of operations and services that are typically essential to continued critical infrastructure viability, including staffing operations centers, maintaining and repairing critical infrastructure, operating call centers, working construction, and performing operational functions, among others. It also includes workers who support crucial supply chains and enable functions for critical infrastructure. The industries they support represent, but are not limited to, medical and healthcare, telecommunications, information technology systems, defense, food and agriculture, transportation and logistics, energy, water and wastewater, law enforcement,

and public works.

State, local, tribal, and territorial governments are responsible for implementing and executing response activities, including decisions about access and reentry, in their communities, while the Federal Government is in a supporting role. Officials should use their own judgment in issuing implementation directives and guidance. Similarly, while adhering to relevant public health guidance, critical infrastructure owners and operators are expected to use their own judgement on issues of the prioritization of business processes and workforce allocation to best ensure continuity of the essential goods and services they support. All decisions should appropriately balance public safety, the health and safety of the workforce, and the continued delivery of essential critical infrastructure services and functions. While this advisory list is meant to help public officials and employers identify essential work functions, it allows for the reality that some workers engaged in activity determined to be essential may be unable to perform those functions because of health-related concerns.

CISA will continue to work with our partners in the critical infrastructure community to update this advisory list if necessary as the Nation's response to COVID-19 evolves.

Should you have questions about this list, please contact CISA at CISA.CAT@cisa.dhs.gov.

Attachment: "Guidance on the Essential Critical Infrastructure Workforce: Ensuring Community and National Resilience in COVID-19 Response Version 2.0"

Guidance 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 emergency 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 crucial 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.CAT@CISA.DHS.GOV.

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:

1. Response efforts to the COVID-19 pandemic are locally executed, state managed, and federally supported.
2. Everyone should follow guidance from the CDC, as well as State and local government officials, regarding strategies to limit disease spread.
3. Workers should be encouraged to work remotely when possible and focus on core business activities. In-person, 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.
5. 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.

6. 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.

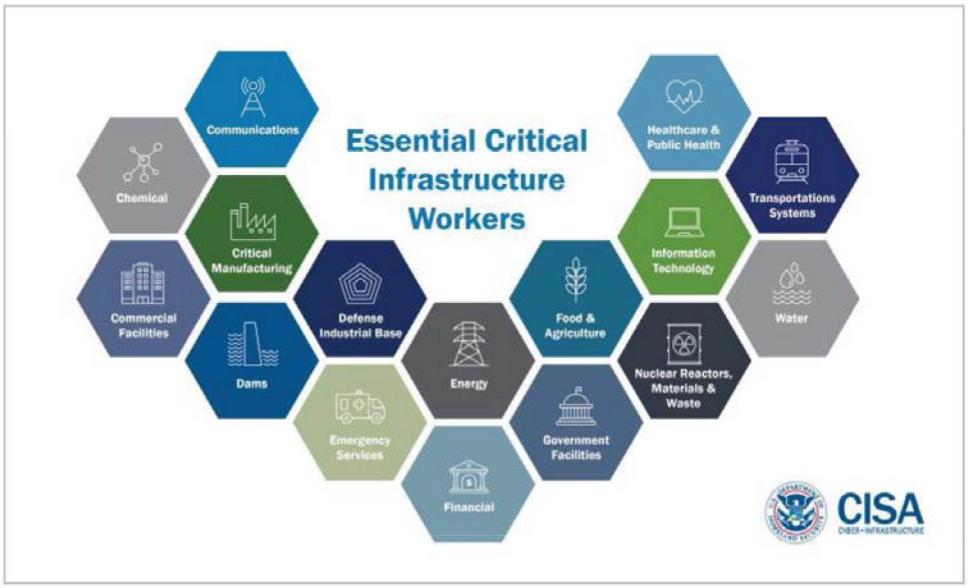
7. Government employees, such as emergency managers, and the business community need to establish and maintain lines of communication.

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.

9. Whenever possible, jurisdictions should align 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.



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 Mental Health, Comprehensive Outpatient rehabilitation, End Stage Renal Disease, Health Departments, Home Health care, Hospices, Hospitals, Long Term Care, Nursing Care Facilities, Organ Pharmacies, 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 plans, 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, cemetery, 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 Center employees.
- 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 personnel, 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 necessary for online orders, pickup and delivery.
- Restaurant carry-out and quick serve food operations, including dark kitchen and food prep centers, and carry-out 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 slaughter 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.

- Government, private, and non-governmental organizations' workers essential for food assistance programs (including school lunch 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, fertilizers, minerals, enrichments, and other agricultural production aids.
- 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 sawmills 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.
- IT 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 logistics.
- 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, other 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.

- 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.
- Vegetation management and traffic control for supporting those crews.
- Environmental remediation/monitoring workers limited to immediate critical needs technicians.
- Instrumentation, protection, and control technicians.
- Essential support personnel for electricity operations.
- Generator set support workers such as diesel engineers used in power generation including those providing fuel.

Petroleum industry:

- Workers for onshore and offshore petroleum drilling operations; platform and drilling construction and maintenance; transportation (including helicopter operations), maritime transportation, supply, and dredging operations; maritime navigation; well stimulation, intervention, monitoring, automation and control, extraction, production; processing; waste 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 road transport for use as end-use 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 them.
- 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 dredging 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, and 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.
- Drilling, production, processing, refining, and transporting natural gas for use as end-use fuels, feedstocks for

chemical manufacturing, or use in electricity generation.

- Dispatch and control rooms and emergency response and customer emergencies, including propane leak calls.
- Propane 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, coal, 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 water authorities.
- Operational staff at community water systems.
- 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/recovery 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, vehicle 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 tug boat operators, equipment operators (to include maintenance and repair, and maritime-specific medical

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 (including those who repair 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 workers, 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, aviation 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 barge 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 janitorial 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 infrastructure 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 landfill operations.
- 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.

COMMUNICATIONS AND INFORMATION TECHNOLOGY

Communications:

- Maintenance of communications infrastructure- including privately owned and maintained communication systems- supported by technicians, operators, call -centers, wireline and wireless providers, cable service providers, satellite operations, Internet Exchange Points, Points of Presence, Network Access Points, back haul and front haul 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 service, 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, technicians 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, fraud, logistics, and troubleshooting.
- Workers providing electronic security, fire, monitoring and life safety services, and to ensure physical security, cleanliness 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 and software, 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, web-based 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.
- Weather forecasters.
- 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 essential businesses and workers.

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, paintings and coatings, 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 personnel; intelligence support, aircraft and weapon system mechanics and maintainers; and sanitary workers who maintain the hygienic viability of necessary facilities.
- Personnel 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 government-owned/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/installation, 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 ventilation 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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- 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 daily living.
- 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 shutdown).

HYGIENE PRODUCTS AND SERVICES

- Workers who produce hygiene products.
- Workers in laundromats, laundry services, and dry cleaners.
- Workers providing personal and household goods repair 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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