

Burbank

Hazard Mitigation Plan Point of Contact

Primary Point of Contact	Alternate Point of Contact
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Jurisdiction Profile

The following is a summary of key information about the jurisdiction and its history:

Date of Incorporation: 1970

Current Population: The 2020 U.S. Census population was 29,450. The 2022 U.S. Census estimate indicated the population was 28,433.

Population Growth: The overall population has decreased .35 percent between 2018 and 2022

Location and Description: Burbank is a city located in Cook County at the southwest edge of the City of Chicago; the Chicago city limit is in common with Burbank's eastern city limit. The city has a total area of 4.2 square miles and shares a boundary with Oak Lawn to its South, Bridgeview to its West, and Bedford Park to its North.

Brief History: The early history of Burbank features a series of false starts and frustrated plans. The Burbank area contained scattered farms when, in 1850, it became the southeastern portion of Lyons Township. One of the earliest roads to run through the area was the diagonal State Road that connected Ridgeland/Narragansett Avenues to Cicero Avenue. By 1871, State Road attracted the attention of a Pittsburgh investor who laid out a subdivision along this route that apparently never materialized. Instead German and Dutch truck farmers settled in the area. Railroad executive A. B. Stickney planned a massive freight railroad transfer center that included the northern part of Burbank, but the 1893 Depression curtailed his plans. In 1901, this area became the southern end of the newly formed Stickney Township, an 18 square mile tract split from the eastern side of Lyons Township. The subdivision boom of the 1920s spread to this area as real estate developers bought up farmland and plotted subdivisions. But the ongoing drainage problems, poor roads, and inadequate water and sewer systems, as well as the Great Depression, dampened the enthusiasm of many would-be buyers. The creation of the South Stickney Sanitary District in 1952 changed the course of Burbank's history. By 1959, the area known as South Stickney or Burbank Manor had a water and sewer system for the first time, and the flooding problems diminished. Roads were improved and streetlights installed. The area's population tripled during this decade, reaching an estimated 20,720 in 1960. Burbank was the last part of Stickney Township to incorporate. In 1970, to avoid annexation by Chicago, residents formed the City of Burbank. The name was taken from the local Luther Burbank Elementary School, named after the famous horticulturist. Six years later, in

1976, the city's population peaked at 29,448. By 1979, nearly all of the City's land was subdivided. Burbank's population declined to 27,902 in 2000. More than half of the City's revenue comes from retail sales taxes. Stores are concentrated along Harlem and Cicero Avenues, the City's main north-south thoroughfares, with some retail businesses also on 79th and 87th Streets. There is almost no manufacturing in Burbank.

Climate: The climate of Burbank is classified as humid continental, with all four seasons distinctly represented: wet springs; hot and often humid summers; pleasant autumns; and cold winters. Annual precipitation is average, and reaches its lowest points in the months of January and February, and peaks in the months of May and June. The temperature tends to hover around 23.5 F in January, and 75.5 F in July. In addition, Burbank receives 38.35 inches of rain each year.

Governing Body Format: The City of Burbank is governed by Mayor and a seven-member city council. This body will assume the responsibility for the adoption and implementation of this plan. The city consists of five departments: Finance, Building, Public Works, Police and Fire. In addition to police and fire services, the City of Burbank maintains an Emergency Services and Disaster Agency, which is an extension of the City of Burbank Fire Department. Its mission is to provide assistance to the fire and police departments and to the citizens of Burbank in times of critical need or disaster. This assistance comes in many requests. They can range from evacuation from flooding to general safety and preparedness training. Water and sanitary services are provided by South Stickney Sanitary District (Stickney Township) The South Stickney Sanitary District is a government agency responsible for the delivery of water and the maintenance of sewers for all the residents of the City of Burbank and the unincorporated area of Stickney Township known as Nottingham Park. The South Stickney Sanitary District handles approximately 9,300 individual residential customer and commercial customer water accounts. The South Stickney Sanitary District is also responsible for the construction, maintenance and repair of all of the sewer lines within the district that are not the property and responsibility of an individual property owner or the Metropolitan Water Reclamation District.

Development Trends: Anticipated development trends for Burbank are moderate, consisting of primarily of residential development and citywide infrastructure. Burbank's development priority is the maintaining of a safe, wholesome, and residential community. Burbank is approximately 90% residential and the city's infrastructure is a high priority serving its residents. There is no major commercial development plans forecasted in the near future.

Changes in Community Priorities: There have been no significant changes in priority regarding the hazards that could potentially impact the community or changes in priority regarding resilience.

Capability Assessment

The assessment of the jurisdiction's legal and regulatory capabilities is presented in the *Legal and Regulatory Capability Table* below. The assessment of the jurisdiction's fiscal capabilities is presented in the *Fiscal Capability Table* below. The assessment of the jurisdiction's administrative and technical capabilities is presented in *Administrative and Technical Capability Table* below. Information on the community's National Flood Insurance Program (NFIP) compliance is presented in the *National Flood Insurance Program Compliance Table* below. Classifications under various community mitigation programs are presented in the *Community Classifications Table* below.

TABLE: LEGAL AND REGULATORY CAPABILITY					
	Local Authority	State or Federal Prohibitions	Other Jurisdictional Authority	State Mandated	Comments
Codes, Ordinances & Requirements					
Building Code	Yes	No	No	Yes	In accordance with Public Act 096-0704, Illinois has adopted the IBC as its state Building Code 2018.
Zonings	Yes	No	No	Yes	(65 ILCS 5/) Illinois Municipal Code. 35-12-10 (2010)
Subdivisions	Yes	No	No	No	35-12-10 (2010)
Stormwater Management	No	No	Yes	Yes	State regulates industrial activity from Construction sites 1 acre or larger under section 402 CWA.
Post Disaster Recovery	No	No	No	No	
Real Estate Disclosure	No	No	Yes	Yes	(765 ILCS 77/) Residential Real Property Disclosure Act.
Growth Management	No	No	No	No	
Site Plan Review	No	No	No	No	35-12-10 (2010)
Public Health and Safety	No	No	Yes	Yes	Stickney Public Health District. April 4, 1970
Environmental Protection	No	No	No	No	
Planning Documents					
General or Comprehensive Plan	No	No	No	No	
<i>Is the plan equipped to provide integration to this mitigation plan?</i>					N/A
Floodplain or Basin Plan	No	No	No	No	

Stormwater Plan	No	No	MWRD	Yes	Regional storm water impacts are managed by MWRD. The Village lies within the Calumet Sag-Channel watershed planning area of MWRD's comprehensive Storm water Master Planning Program
Capital Improvement Plan	No	No	No	No	
<i>What types of capital facilities does the plan address?</i>					N/A
<i>How often is the plan revised/updated?</i>					N/A
Habitat Conservation Plan	No	No	No	No	
Economic Development Plan	No	No	Yes	Yes	The Economic Development Commission is charged with reviewing all economic development related programs and incentives including tax incentives offered through the Cook County 6b program.
Shoreline Management Plan	No	No	No	No	
Response/Recovery Planning					
Comprehensive Emergency Management Plan	No	No	No	No	Cook County EMRS
Threat and Hazard Identification	No	No	No	No	Cook County EMRS Preparing for THIRA

and Risk Assessment					
Terrorism Plan	No	No	No	No	Cook County EMRS
Post-Disaster Recovery Plan	No	No	No	No	Cook County EMRS
Continuity of Operations Plan	No	No	No	No	Cook County EMRS
Public Health Plans	No	No	No	No	Stickney Public Health District

TABLE: FISCAL CAPABILITY	
Financial Resources	Accessible or Eligible to Use?
Community Development Block Grants	Yes
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for Specific Purposes	No
User Fees for Water, Sewer, Gas or Electric Service	Yes
Incur Debt through General Obligation Bonds	Yes
Incur Debt through Special Tax Bonds	No
Incur Debt through Private Activity Bonds	No
Withhold Public Expenditures in Hazard-Prone Areas	No
State Sponsored Grant Programs	Yes
Development Impact Fees for Homebuyers or Developers	Yes
Other	Yes

TABLE: ADMINISTRATIVE AND TECHNICAL CAPABILITY		
Staff/Personnel Resources	Available?	Department/Agency/Position
Planners or engineers with knowledge of land development and land management practices	Yes	Frank Novotny & Associates
Engineers or professionals trained in building or infrastructure construction practices	Yes	Frank Novotny & Associates
Planners or engineers with an understanding of natural hazards	Yes	Frank Novotny & Associates
Staff with training in benefit/cost analysis	Yes	Burbank Police, Fire, Public Works: Department Heads
Surveyors	Yes	Frank Novotny & Associates
Personnel skilled or trained in GIS applications	Yes	Cook County GIS Consortium
Scientist familiar with natural hazards in local area	No	
Emergency manager	Yes	Fire Chief
Grant writers	Yes	Administration for Fire & Police

TABLE: NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE	
What department is responsible for floodplain management in your jurisdiction?	Building Department
Who is your jurisdiction's floodplain administrator? (department/position)	Building Department

Are any certified floodplain managers on staff in your jurisdiction?	No
What is the date of adoption of your flood damage prevention ordinance?	October 25, 2000
When was the most recent Community Assistance Visit or Community Assistance Contact?	Has not received a Community Assistance Visit
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? If so, please state what they are.	Not at this time
Do your flood hazard maps adequately address the flood risk within your jurisdiction? (If no, please state why)	Yes
Does your floodplain management staff need any assistance or training to support its floodplain management program? If so, what type of assistance/training is needed?	No
Does your jurisdiction participate in the Community Rating System (CRS)? If so, is your jurisdiction seeking to improve its CRS Classification? If not, is your jurisdiction interested in joining the CRS program?	No

NFIP Participation Activities

Maintaining compliance under the NFIP is an important component of flood risk reduction. All planning partners that participate in the NFIP have identified actions to maintain their compliance and good standing. Cook County entered the NFIP on April 15, 1981. Structures permitted or built in the County before then are called “pre-FIRM” structures, and structures built afterwards are called “post-FIRM.” The insurance rate is different for the two types of structures. The effective date for the current countywide FIRM is August 19, 2008. This map is a DFIRM (digital flood insurance rate map). The communities in Cook County that participate in the NFIP are shown in **Table: NFIP Participating Communities in Cook County** in **Volume I** of the Cook County MJ-HMP.

The NFIP makes federally-backed flood insurance available to homeowners, renters, and business owners in participating communities. The communities in Cook County that participate in the NFIP and their “Policies in Force,” “Total Coverage,” and “Total Written Premiums” are shown in **Table: Cook County Flood Insurance Policies** in **Volume I** of the Cook County MJ-HMP.

- Our staff provide the following services: permit reviews, GIS, inspections, engineering capability.
- Our community enforces local floodplain regulations and monitors compliance.
- Our floodplain development regulations meet or exceed Federal Emergency Management Agency (FEMA) or State minimum requirements.

The following are the NFIP-related activities completed by our community:

- Need to improve our flood plain provision / ordinance.

Substantial Improvement Rule and the Substantial Damage Rule

The IDNR/OWR has developed a model ordinance for floodplain management, which has been adopted by most communities in Illinois. The ordinance includes the minimum requirements an NFIP participating jurisdiction must adopt and enforce, as well as additional higher regulatory requirements. The optional, higher regulatory standards include a minimum one foot of freeboard above the base flood elevation and cumulative tracking of damage repairs and improvements to establish substantial damage and substantial improvement compliance. Some jurisdictions have

chosen to exceed the requirements of the model ordinance and have adopted more restrictive ordinances. This is most common in the communities in northeastern Illinois.

Existing Municipal Code:

Sec. 4-603. - Review of permit application.

The building commissioner shall review all permit applications to determine whether proposed building sites will be reasonably safe from flooding. If a proposed building site is in a flood prone area, all new construction and substantial improvements (including the placement of manufactured homes) shall be:

(1)Designed (or modified) and adequately anchored to prevent flotation, collapse, or lateral movement of the structure resulting from hydrodynamic and hydrostatic loads, including the effects of buoyancy,(2)Constructed with materials and utility equipment resistant to flood damage,(3)Constructed by methods and practices that minimize flood damage, and(4)Constructed with electrical, heating, ventilation, plumbing, and air conditioning equipment and other service facilities that are designed and/or located so as to prevent water from entering or accumulating within the components during conditions of flooding.

(Ord. No. 40-10-00, § 1, 10-25-2000)

Sec. 4-607. Definitions

Substantial improvement means any repair, reconstruction or improvement of a structure, the cost of which equals or exceeds fifty (50) per cent of the market value of the structure either, (a) before the improvement or repair is started, or (b) if the structure has been damaged, and is being restored, before the damage occurred. For the purposes of this definition "substantial improvement" is considered to occur when the first alteration of any wall, ceiling, floor, or other structural part of the building commences, whether or not that alteration affects the external dimensions of the structure regardless of the actual work performed. The term does not, however, include either (1) any project for improvement of a structure to comply with existing state or local health, sanitary, or safety code specifications which are solely necessary to assure safe living conditions or (2) any alteration of a "historic structure", provided that the alteration will not preclude the structures continued designation as a historic structure.

TABLE: COMMUNITY CLASSIFICATIONS			
	Participating?	Classification	Date Classified
Community Rating System	No	N/A	N/A
Building Code Effectiveness Grading Schedule	Yes	Unknown	Unknown
Public Protection/ISO	Yes	3	2012
StormReady	Yes	Gold (Countywide)	2014
Tree City USA	No	N/A	N/A

Opportunities to Expand and Improve Capabilities

Opportunities to expand and improve capabilities include;

- While the community's code addresses Substantial Improvement considerations and processes, future updates may consider clearly defining Substantial Damage, as well.

Plan Integration

The capability assessment describes opportunities to "link" or integrate the mitigation plan into other planning mechanisms. The process and mechanism to identify opportunities to integrate the Cook County MJ-HMP into other planning mechanisms will occur during the Annual Update Process and be reflected in the Jurisdictional Annual Report each year. Specific plan integration opportunities will include:

- The hazards, goals, and actions of the Hazard Mitigation Plan will be considered in the next update of the jurisdiction's land use plans, zoning, and subdivision codes.

Emergency Plan Integration:

Cook County EMRS is supporting communities to develop and update their respective Emergency Operations Plans, Continuity of Operations Plan/Continuity of Government Plan, and Recovery Plan in 2024. This is an ongoing countywide initiative and is being implemented in all municipalities.

Emergency Operations Plan (EOP)

An EOP template was created for all municipalities. The 2019 Cook County MJ-HMP and the hazards in the mitigation plan have been integrated into the Situation and Assumptions section of the EOP. Within that section, the natural hazards based on the 2019 MJ-HMP were added in the Initial Analysis and Assessment and Identification of Hazards section of the EOP. The hazards in the 2019 plan and the 2024 MJ-HMP did not change apart from adding wildfires for the Forest Preserve and unincorporated areas of the County. Future updates of the EOP will take into consideration any additional new natural hazards that are added to subsequent updates to the MJ-HMP.

Continuity of Operations Plan (COOP)

The Continuity of Operations Plan (COOP) for the municipality includes a Situation section that is based on the 2019 Cook County MJ-HMP jurisdictional annex, and specifically the hazards identified in the annex. The COOP-specific risk assessment is hazard-specific and based on likelihood of occurrence and severity of impact.

Recovery Plan

The goals of the Recovery Plan were developed to align with the 2019 Cook County MJ-HMP, and specifically prioritizes the responsibility of officials under this plan to save lives, protect property, relieve human suffering, sustain survivors, repair essential facilities, restore services, and protect the environment. The plan acknowledges that hazard mitigation is an important priority and consideration during the rebuilding process.

Jurisdiction-Specific Natural Hazard Event History

The information provided below was solicited from the jurisdiction and supported by NOAA and other relevant data sources.

The *Natural Hazard Events Table* lists all past occurrences of natural hazards within the jurisdiction. Repetitive flood loss records are as follows:

- Number of FEMA-Identified Repetitive Loss Properties: 4 (4 Single Family)
- Number of FEMA-Identified Severe Repetitive Loss Properties: 0
- Number of Repetitive Flood Loss/Severe Repetitive Loss Properties That Have Been Mitigated: 0

Federal Disasters Declared

Disaster Declaration Number	Date Declared	Event
DR-227	4/25/1967	Tornado
DR-351	9/4/1972	Flood
DR-373	4/26/1973	Flood
DR-509	6/18/1976	Severe Storm(s)
DR-643	6/30/1981	Severe Storm(s)
DR-776	10/7/1986	Flood
DR-798	8/21/1987	Flood
DR-997	7/9/1993	Flood
DR-1129	7/25/1996	Severe Storm(s)
DR-1188	9/17/1997	Severe Storm(s)
DR-1729	9/25/2007	Severe Storm(s)
DR-1800	10/3/2008	Severe Storm(s)
DR-1935	8/19/2010	Severe Storm(s)
DR-1960	3/17/2011	Snow
EM-3068	1/16/1979	Snow
EM-3134	1/8/1999	Snow
EM-3161	1/17/2001	Snow
EM-3230	9/7/2005	Hurricane – Katrina Evacuation
EM-3435	3/13/2020	Biological
DR-4116	5/10/2013	Flood
DR-4489	3/26/2020	Biological
DR-4728	8/15/2023	Severe Storm(s)
DR-4749	11/20/2023	Flood

State Disaster Declarations

Date Declared	Event
7/26/2010	Severe Storms, High Winds, Torrential Rain
1/31/2011	Winter Weather
4/25/2011 5/25/2011	High Wind, Tornadoes, Torrential Rain
4/18/2013 4/20/2013 4/21/2013 4/25/2013 4/30/2013	Severe Storms, Heavy Rainfall, Flooding, Straight-line Winds
1/6/2014	Heavy Snowfall, Frigid Temperatures
7/12/2017 7/14/2017	Thunderstorms, Heavy Rainfall, Flooding
1/29/2019	Winter Storm
2/6/2020	Severe Storms

3/12/2020 – present (reissued monthly)	COVID-19
2/16/2021	Winter Storms
2/1/2022	Winter Storms
8/1/2022 (reissued monthly through 10/28/2022)	Monkeypox

TABLE: NATURAL HAZARD EVENTS			
Type of Event	FEMA Disaster Number (if applicable)	Date	Preliminary Damage Assessment/ Event Narrative
Severe Weather	-	6/30/2014	-
Flood	-	7/23/2013	\$30,790.27
Snow Storm	FEMA -1960-031-09642-00	2/02/2011	\$47,864.50
Flood	-	7/23/2010	-
Snow Storm	EM-3161	12/11/2000	-
Snow Storm	EM-3134	1/01/1999	-
Snow Storm	EM-3068	1/16/1979	-
Flood	DR-509	6/18/1976	-

Jurisdiction-Specific Hazards: Vulnerabilities and Impacts

Hazards that represent a county-wide risk are addressed in the Risk Assessment section of the 2024 Cook County Multi-Jurisdictional Hazard Mitigation Plan Update. This section only addresses the hazards and their associated impacts that are **relevant** and **unique** to the municipality.

Flood: Within the community, the 8600 Block of Rutherford cul-de-sac is prone to flooding. Additionally, Narragansett Ave between 81st Street and 85th Street, Parkside Ave between 78th Street and 79th Street, 83rd Street between Narragansett Ave and Melvina Ave, and the 8600 block of Rutherford Ave cul-de-sac is prone to flooding are prone to flooding. Our reservoir (MWRD) was updated a few years ago. Prior to this, our entire town would flood when the reservoir would overflow and spill into the city on the SW side of our borders. Flooding in the residential areas listed above still happens when severe (larger storms) come through town.

Earthquake: Although earthquakes or their effects are not commonly felt in Burbank, earthquakes have happened on several occasions in Illinois over the last few decades. Burbank continues to prepare and mitigate against this hazards.

Severe Weather: Severe thunderstorms, hail, and wind have impacted residences throughout Burbank. Trees, power lines, and even power poles have all been toppled on multiple occasions. Damage has also occurred to business on 95th street as a result of these events. Within the community, the 8600 block of Rutherford Ave cul-de-sac is prone to flooding. Additionally, Narragansett Ave between 81st Street and 85th Street, Parkside Ave between 78th Street and 79th Street, 83rd Street between Narragansett Ave and Melvina Ave are prone to flooding. Our reservoir (MWRD) was updated a few years ago. Prior to this, our entire town would flood when the reservoir would overflow and spill into the city on the SW side of our borders.

Tornado: Although available data may not show any tornado events within Burbank specifically, these events have caused notable damage in nearby parts of Cook County. Burbank continues to prepare and mitigate against this hazard.

Severe Winter Weather: These events can threaten life, property, and major utilities. Burbank continues to pursue mitigation actions to ensure utility service cannot be as easily impacted by things like high winds and ice accumulation. The City of Burbank's utilities are all above ground, and often have multiple power lines down from winter storms, ice, highwinds, etc. Burbank continues to pursue mitigation actions to ensure utility service cannot be as easily impacted.

Indicator	Number	Percent
Families in poverty	575	7.9%
People with disabilities	3,632	12.3%
People over 65 years	4,438	15%
People under 5 years	1,874	6.3%
People of color	14,551	49.2%
Black	960	3.2%
Native American	318	1.1%
Hispanic	12,487	42.2%
Difficulty with English	2,948	10.6%
Households with no car	602	6.3%
Mobile homes	186	1.9%

Data are from the U.S. Census Bureau, American Community Survey. See methods for more information.

The community evaluated whether vulnerability, and subsequently the potential impacts, in hazard-prone areas had increased, decreased, or remained the same for each natural hazard identified in this Hazard Mitigation Plan. Climate change, infrastructure expansion, and economic shifts that can affect vulnerability were considered. For example, if planned development is in an identified hazard area or is not built to the updated building codes, it may increase the community's vulnerability to future hazards and disasters. On the other hand, if development occurred with mitigation practices in place, the vulnerability may have remained the same or decreased. Additionally, shifting demographics were taken into consideration when assessing development trends.

Jurisdiction-Specific Climate Change Vulnerability and Impacts

The table below outlines if climate change, as assessed by the local planning team, has increased or decreased the municipality's vulnerability/exposure, and thereby the potential impacts, to each natural hazard over the past five (5) years (**Current Vulnerability**), and the effect of climate change in the future probability of occurrence and impacts (**Future Vulnerability**) from each natural hazard.

Hazard	Vulnerability
Current Vulnerability	
Dam and Levee Failure	Not Applicable
Drought	Remained the Same
Earthquake	Remained the Same
Flood (Riverine, Urban, Shoreline)	Remained the Same
Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds)	Remained the Same
Severe Winter Weather (Ice Storms, Heavy Snow, Blizzards, Extreme Cold)	Remained the Same
Tornado	Remained the Same
Wildfire (Wildfire Smoke)	Not Applicable

Hazard	Vulnerability
Future Vulnerability	
Dam and Levee Failure	Not Applicable
Drought	No Change is Anticipated
Earthquake	No Change is Anticipated
Flood (Riverine, Urban, Shoreline)	No Change is Anticipated
Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds)	No Change is Anticipated
Severe Winter Weather (Ice Storms, Heavy Snow, Blizzards, Extreme Cold)	No Change is Anticipated
Tornado	No Change is Anticipated
Wildfire (Wildfire Smoke)	Not Applicable

Jurisdiction-Specific Changes (or Expected Changes) in Development Trends in Hazard-Prone Areas

The table below outlines if development, as assessed by the local planning team, over the past five (5) years (**Current Vulnerability**) has increased or decreased the jurisdiction's vulnerability/exposure, and thereby the potential impacts, to these natural hazards, and the anticipated effects changes in development may have on the future probability of occurrence and impacts (**Future Vulnerability**) from these natural hazards.

Hazard	Vulnerability
Current Vulnerability	
Dam and Levee Failure	Not Applicable
Drought	Remained the Same
Earthquake	Remained the Same
Flood (Riverine, Urban, Shoreline)	Remained the Same
Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds)	Remained the Same
Severe Winter Weather (Ice Storms, Heavy Snow, Blizzards, Extreme Cold)	Remained the Same
Tornado	Remained the Same
Wildfire (Wildfire Smoke)	Not Applicable

Hazard	Vulnerability
Future Vulnerability	
Dam and Levee Failure	Not Applicable
Drought	No Change is Anticipated
Earthquake	No Change is Anticipated
Flood (Riverine, Urban, Shoreline)	No Change is Anticipated
Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds)	No Change is Anticipated
Severe Winter Weather (Ice Storms, Heavy Snow, Blizzards, Extreme Cold)	No Change is Anticipated
Tornado	No Change is Anticipated
Wildfire (Wildfire Smoke)	Not Applicable

Our community does not anticipate future major assets may be exposed or vulnerable to any of the natural hazards identified in this Hazard Mitigation Plan. Any new assets (e.g., new construction in hazard prone areas) will be constructed to adhere to the latest building codes and standards, and

mitigation to protect them from identified and anticipated hazards, especially those that are expected to increase due to climate change.

Hazard Risk Ranking

The *Hazard Risk Ranking Table* below presents the ranking of the hazards of concern. Hazard area extent and location maps are included at the end of this chapter. These maps are based on the best available data at the time of the preparation of this plan, and are considered to be adequate for planning purposes.

TABLE: HAZARD RISK RANKING	
Rank	Hazard Type
1	Severe Weather
2	Severe Winter Weather
3	Flood
4	Earthquake
5	Tornado
6	Drought
7	Dam Failure
*Note: Flood risk ranking score was raised from 33 to 54 based on urban drainage issues experienced in the past.	

New Mitigation Actions

Burbank did not have any new mitigation actions identified during the 2024 update.

Ongoing Mitigation Actions

During the 2024 update, these "ongoing" mitigation actions and projects were modified and/or amended, as needed.

Action B - 14.1

Mitigation Action #B - 14.1: Perform a study of the urban drainage problem.					
Lead Agency/Department Organization: Burbank Building and Fire Departments	Supporting Agencies/ Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund, HMGP, BRIC	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: Flooding
Year Initiated		2014			
Applicable Jurisdiction		City of Burbank			
Applicable Goal		1, 2, 3, 6			
Applicable Objective		6, 9			
Cost Analysis (Low, Medium, High)		Low			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Medium			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project		O/X			

Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	
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Action B - 14.2

Mitigation Action #B - 14.2: Pursue all opportunities to put utilities underground.					
Lead Agency/Department Organization: Burbank Building Department	Supporting Agencies/ Organizations:	Estimated Cost: High	Potential Funding Source: HMGP/BRIC	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: Severe Weather, Severe Winter Weather, Tornado, Earthquake
Year Initiated		2014			
Applicable Jurisdiction		City of Burbank			
Applicable Goal		1, 2, 3			
Applicable Objective		1, 2, 5			
Cost Analysis (Low, Medium, High)		High			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		High			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O/X			

Action B - 14.3

Mitigation Action #B - 14.3: Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.					
Lead Agency/Department Organization: Burbank Building Department	Supporting Agencies/ Organizations:	Estimated Cost: High	Potential Funding Source: BRIC, HMGP	Estimated Projected Completion Date: Long-term (depending on funding)	Hazard(s) Mitigated: All
Year Initiated		2014			
Applicable Jurisdiction		City of Burbank			
Applicable Goal		1, 2, 3			
Applicable Objective		7, 13			
Cost Analysis (Low, Medium, High)		High			
Priority and Level of Importance (Low, Medium, High)		Medium			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		High			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O/X			

Action B - 14.5

Mitigation Action #B - 14.5: Update/Enhance Flood Damage Prevention Ordinance.					
Lead Agency/Department Organization: Burbank Building Department	Supporting Agencies/ Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund, BRIC, HMGP	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: Flooding
Year Initiated		2014			
Applicable Jurisdiction		City of Burbank			
Applicable Goal		1, 3			
Applicable Objective		2, 10			
Cost Analysis (Low, Medium, High)		Low			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Medium			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O/X			

Action B - 14.6

Mitigation Action #B - 14.6: Continue to support the countywide actions identified in this plan.					
Lead Agency/Department Organization:	Supporting Agencies/ Organizations:	Estimated Cost: Low	Potential Funding Source:	Estimated Projected	Hazard(s) Mitigated: All

City of Burbank Administration			General Fund	Completion Date: Short- and long-term	
Year Initiated					
Applicable Jurisdiction		City of Burbank			
Applicable Goal		All			
Applicable Objective		All			
Cost Analysis (Low, Medium, High)		Low			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Medium			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Action B - 14.7

Mitigation Action #B - 14.7: Actively participate in the plan maintenance strategy identified in this plan.					
Lead Agency/Department Organization: EMRS (Burbank)	Supporting Agencies/ Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: All
Year Initiated		2014			
Applicable Jurisdiction		City of Burbank			
Applicable Goal		1, 2, 3, 6			

Applicable Objective	3, 4, 6
Cost Analysis (Low, Medium, High)	Low
Priority and Level of Importance (Low, Medium, High)	High
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Low
Action/Implementation Plan and Project Description:	
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O/X

Action B - 14.8

Mitigation Action #B - 14.8: Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts.					
Lead Agency/Department Organization: City of Burbank Administration	Supporting Agencies/ Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Short-term, Ongoing	Hazard(s) Mitigated: Flooding
Year Initiated	2014				
Applicable Jurisdiction	City of Burbank				
Applicable Goal	1, 2, 3, 6				
Applicable Objective	4, 6, 9				
Cost Analysis (Low, Medium, High)	Low				

Priority and Level of Importance (Low, Medium, High)	High
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium
Action/Implementation Plan and Project Description:	
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action B - 14.9

Mitigation Action #B - 14.9: Where feasible, implement a program to record high water marks following high water events.					
Lead Agency/Department Organization: City of Burbank Administration	Supporting Agencies/ Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund; FEMA Public Assistance (PA)	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flooding, Severe Weather
Year Initiated	2014				
Applicable Jurisdiction	City of Burbank				
Applicable Goal	1, 2, 3, 6				
Applicable Objective	3, 6, 9				
Cost Analysis (Low, Medium, High)	Medium				
Priority and Level of Importance (Low, Medium, High)	Medium				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium				

Action/Implementation Plan and Project Description:	
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O/X

Action B - 14.10

Mitigation Action #B - 14.10: Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.					
Lead Agency/Department Organization: Frank Novotny & Associates	Supporting Agencies/ Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: All
Year Initiated	2014				
Applicable Jurisdiction	City of Burbank				
Applicable Goal	1, 2, 3, 5, 6				
Applicable Objective	3, 4, 6, 10, 13				
Cost Analysis (Low, Medium, High)	Low				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium				
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion;	O				

O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	
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Action B - 14.11

Mitigation Action #B - 14.11: Consider developing and implementing a capital improvement program (CIP) to increase the Village's regulatory, financial, and technical capability to implement mitigation actions.					
Lead Agency/Department Organization: Public Works	Supporting Agencies/ Organizations:	Estimated Cost: High	Potential Funding Source: CIP component of the general fund (if implemented)	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: All
Year Initiated		2014			
Applicable Jurisdiction		City of Burbank			
Applicable Goal		1, 2, 3			
Applicable Objective		1, 2, 7			
Cost Analysis (Low, Medium, High)		High			
Priority and Level of Importance (Low, Medium, High)		Medium			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		High			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Action B - 14.12

Mitigation Action #B - 14.12: Improve community awareness and preparedness. Specifically, improve the local website to include interactive sections to report floods and damage.					
Lead Agency/Department Organization: Fire	Supporting Agencies/ Organizations: Police, Public Works	Estimated Cost: \$50,000 (???)	Potential Funding Source: Corporate Funding, BRIC, HMGP	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: All
Year Initiated		2019			
Applicable Jurisdiction		City of Burbank			
Applicable Goal		4, 6			
Applicable Objective		6, 8			
Cost Analysis (Low, Medium, High)		Medium - The project could be implemented with existing funding but would require a re-apportionment of the budget or a budget amendment, of the cost of the project would have to be spread over multiple years.			
Priority and Level of Importance (Low, Medium, High)		High priority			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		High - Project will provide an immediate reduction of risk exposure for life and property.			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Action B - 14.13

Mitigation Action #B - 14.13: Melvina Ditch Reservoir Improvements.					
Lead Agency/Department Organization: MWRD	Supporting Agencies/ Organizations:	Estimated Cost: \$14,245,000; High	Potential Funding Source: BRIC, HMGP	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flooding
Year Initiated		2019			
Applicable Jurisdiction		City of Burbank			
Applicable Goal		2, 3, 4, 5			
Applicable Objective		9			
Cost Analysis (Low, Medium, High)		High			
Priority and Level of Importance (Low, Medium, High)		Unknown			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Unknown			
Action/Implementation Plan and Project Description:		ID: MD Rsvr Exp Contract: 14-263-3F Watershed: Cal-Sag Channel Location: Burbank, IL Expands the existing Melvina Ditch Reservoir by up to 195 acre-feet to increase its storage capacity (up to a 118 percent increase), modifying the pumping station to accommodate the reservoir expansion, and installing a new emergency overflow weir to reduce the likelihood of reservoir overtopping.			
Actual Completion Date or Ongoing Indefinite		Unknown			
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Completed Actions

Completed Mitigation Actions - An archive of all identified and completed projects, including completed actions since 2014.

Completed Action Items
Enhance the Severe Weather warning capability by joining the NOAA "Storm Ready" program.

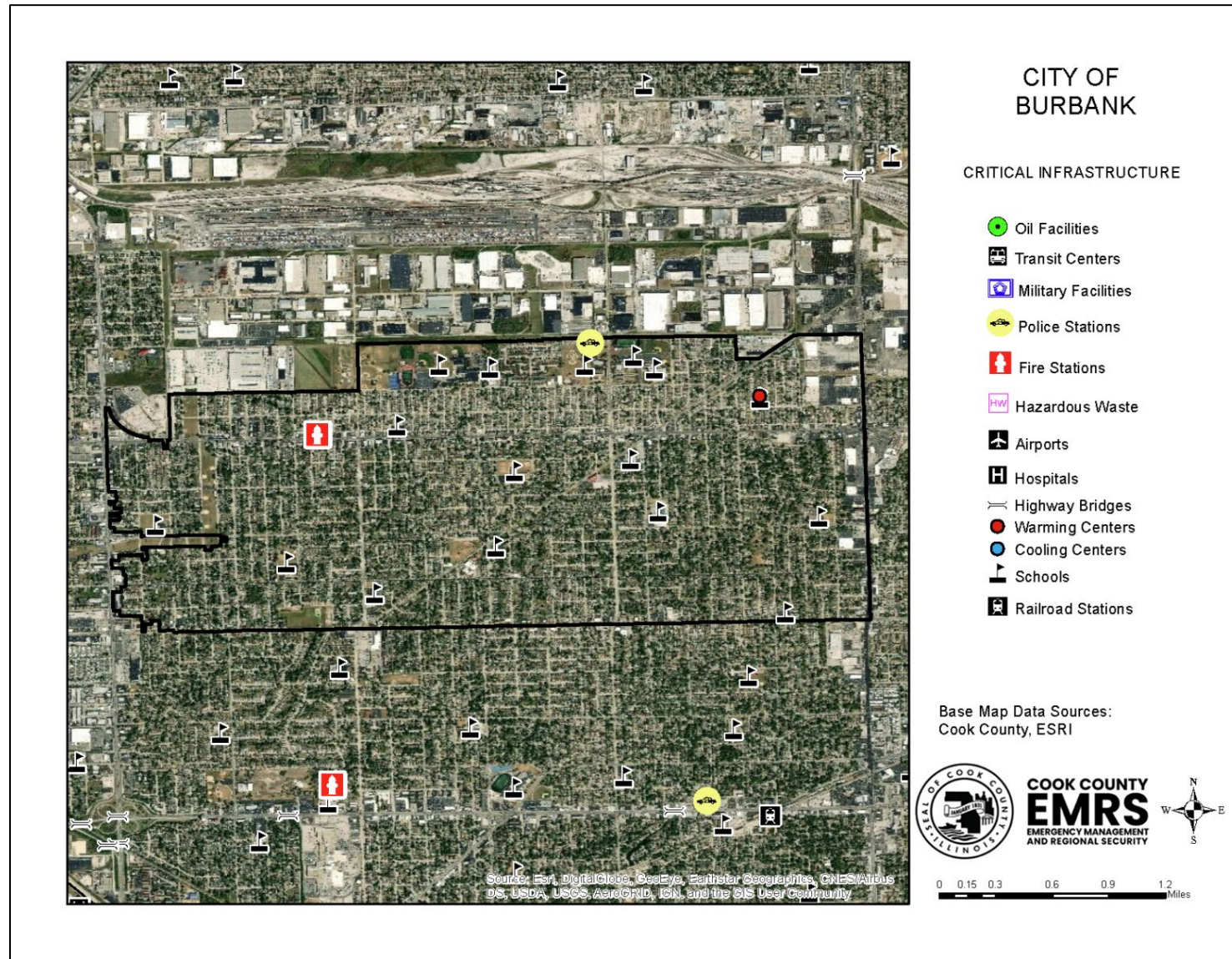
Future Needs to Better Understand Risk/Vulnerability

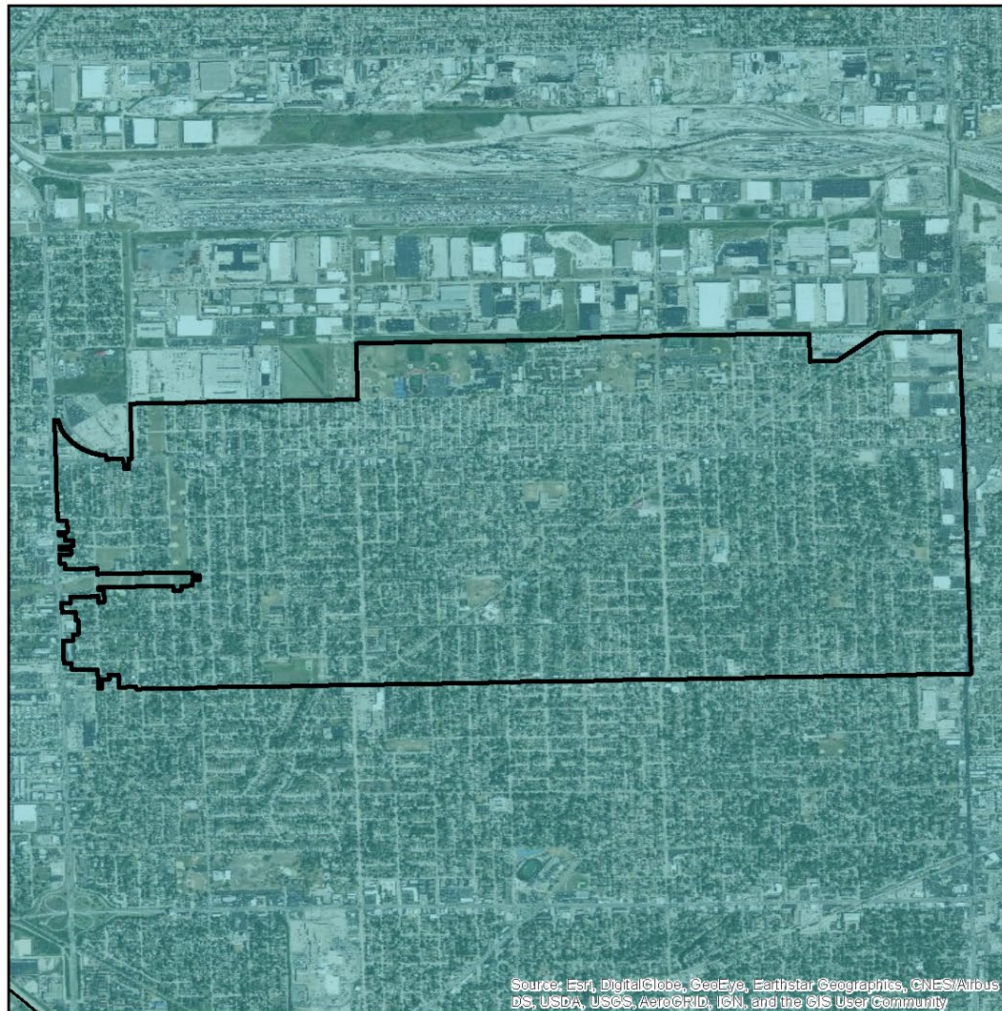
No needs have been identified at this time.

Additional Comments

No additional comments at this time

Hazard Mapping





CITY OF BURBANK

PEAK GROUND ACCELERATION FOR A 100 YEAR EARTHQUAKE EVENT

Mercalli Scale, Potential Shaking

II-III Weak

Data provided by the USGS Earthquake Hazards Program and Cook County.

Probabilistic seismic-hazard maps were prepared for the conterminous United States for 2014 portraying peak horizontal acceleration and horizontal spectral response acceleration for 0.2- and 1.0-second periods with probabilities of exceedance of 10 percent in 50 years and 2 percent in 50 years. All of the maps were prepared by combining the hazard derived from spatially smoothed historical seismicity with the hazard from fault-specific sources. The acceleration values contoured are the random horizontal component. The reference site condition is firm rock, defined as having an average shear-wave velocity of 760 m/s in the top 30 meters corresponding to the boundary between NEHRP (National Earthquake Hazards Reduction program) site classes B and C.

The information included on this map has been compiled for Cook County from a variety of sources and is subject to change without notice. Cook County makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. Cook County shall not be liable for any general, special, indirect, incidental, or consequential damages including, but not limited to, lost revenues or lost profits resulting from the use or misuse of the information contained on this map. Any sale of this map or information on this map is prohibited except by written permission of Cook County.

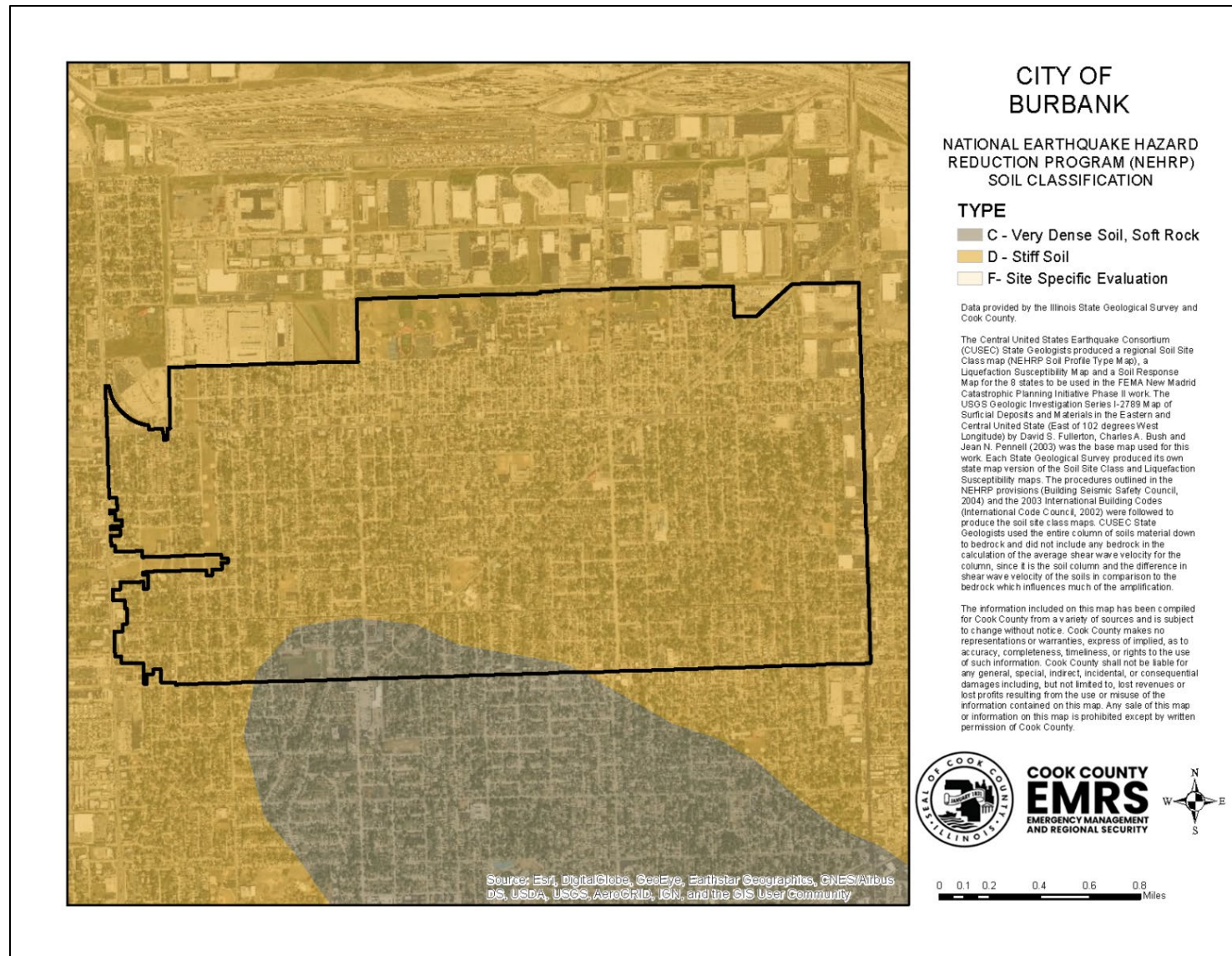
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



COOK COUNTY
EMRS
EMERGENCY MANAGEMENT
AND REGIONAL SECURITY



0 0.15 0.3 0.6 0.9 1.2 Miles



DISCLAIMER: The Cook County MWRDGC 100-year Inundation Map is provided to show general flood risk information regarding floodplains and inundation areas. This map is not regulatory. Official FEMA Flood Insurance Study information and regulatory maps can be obtained from <http://www.fema.gov>.

