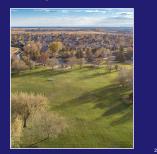
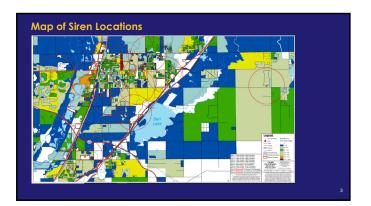


Brighton's Outdoor Warning System History

- First sirens installed in 2005, most recent unit installation in 2016
- Total of 12 sirens, 10 within city limits and 2 in the Brighton Fire District
- Solar powered, multi-directional units
- Intended purpose is to notify people who are outdoors that there is an imminent hazard and to seek shelter
- Sirens supported through cost sharing with Brighton Fire





Tornado Activity in Brighton

- No reports of death, injury or damage to property or agriculture due to tornadic activity since 1950 (per NOAA
- In the past 20 years, 10 tornado warnings have been issued by NWS to our area. One EF0 touchdown was reported in this timeframe in 2021
- Both first responders and residents have reported distant sightings of tornadic activity in Weld County and the Eastern

EF SCALE	
3 Second Gust (mph)	
65-85	
86-110	
111-135	
136-165	
166-200	
Over 200	

An EF0 is considered a weak tornado with winds of 65-85 mph. This might cause broken tree branches, downed power lines, or minor roof damage to buildings.

3

4

2

Current Issues with the Outdoor Warning System

- In late 2023, sirens located at Brighton High and Firehouse Road stopped responding to tests, prompting an evaluation of status.
- Communication vendor notified the city of significant issues with the ability of control activation unit(s) to communicate securely with individual sirens, as technology is outdated and beyond repair.
- During this time, the unit lost the ability to communicate and could no longer activate the entire system.
- Contracted with siren vendor to assess full scope of the problem with communications and siren equipment systemwide.



Total Estimated Cost to Repair and Maintain Current System:

- Initial Cost: includes an update to a secure radio communication system and frequency, new control (activation) unit station, new batteries, amplifiers and labor \$130,840
- Maintenance Cost: includes site visits and basic siren maintenance, battery replacement every 4 years (does NOT include equipment, parts or replacement pieces if needed) \$3,500-\$5,000 per year and additional \$11,000 every 4 years for battery replacement. battery replacement



5 6

Are other communities still using outdoor warning sirens?

- In Adams County, Commerce City and Aurora are still utilizing outdoor warning sirens
 - The City of Commerce City has 20 operating siren towers
 - The City of Aurora has over 50 outdoor warning sirens
- Only some communities in Weld County have outdoor warning sirens
- The City and County of Denver has 86 operating sirens throughout their jurisdiction
- The city of Longmont de-commissioned their siren system in 2017
- The City of Wheat Ridge announced the retiring of their system last month
- The City of Arvada de-commissioned their siren system about two years ago
- Frederick and Firestone chose to deactivate their siren system in 2013

Alternatives to Repairing the System

• Utilize existing mass notification system (CodeRED) to alert residents

\[
\frac{29}{800001} \frac{400}{4000} \frac{25}{200} \frac{300}{300} \frac{5040}{5000} \frac{5000}{6000} \frac{14}{200} \frac{25}{200} \frac{5000}{5000} \frac{14}{200} \frac{10}{200} \frac{5000}{5000} \frac{14}{200} \frac{10}{200} \frac{5000}{5000} \frac{14}{200} \frac{10}{200} \frac{5000}{5000} \frac{10}{200} \frac{5000}{5000} \frac{500}{500} \frac{10}{200} \frac{5000}{5000} \frac{10}{200} \frac{10}{200} \frac{10}{200} \frac{5000}{200} \frac{10}{200} \frac{10

8

7



9