

**Kim Reynolds**  
Governor  
**Adam Gregg**  
Lt. Governor



**Department of Public Safety**

**Stephan Bayens**  
Commissioner

August 8, 2022

Ref. AON 29C20 Allocation Request for 3-5-22 Tornado Damage to ISICS Communication – Keosauqua Tower

State of Iowa Executive Council:

On 3-5-22, an F-3 tornado passed Lucas County causing damage to one of the Keosauqua ISICS Tower radome covers. The damage was caused by flying debris. On 3-5-22, an initial 29C20 notification was sent to the Executive Council regarding possible Act of Nature (AON) Tornado Damage to ISICS towers sites (See attached email).

On 5-31-22, Motorola was able to provide an estimate of damage sustained to the Keosauqua Tower. The damage is estimated at \$8,722.00. Due to supply chain issues and other Motorola towers repair commitments the repairs to the tower had been delayed; however, they are now in progress and we should be receiving an invoice soon.

The DPS Interoperability and Communications Bureau is respectfully submitting a 29C20 Allocation Request for \$8,722.00 for this AON damage.

Thank you for your consideration.

Sincerely,

Captain Richard Pierce  
Bureau Chief  
Iowa DPS Communications & Interoperability Bureau  
Office of the Commissioner  
215 E. 7<sup>th</sup> Street  
Des Moines, Ia 50319

## Newton, Victoria [TOS]

---

**From:** Pierce Richard <pierce@dps.state.ia.us>  
**Sent:** Tuesday, April 5, 2022 1:27 PM  
**To:** ExecutiveCouncil [TOS]; Hollingsworth, Tammy [AOS]  
**Cc:** Duden Joshua; Dostal Sandra  
**Subject:** 3-5-22 Tornado Damage 29C20 Notification ref ISICS - Keosauqua Communication Tower  
**Attachments:** 3-5-22 Follow-up ref Possible 29C20 Damage - Tornadoic wind impacts on the ISICS Sites; 3-17-22 29C20 Allocation Request ref. Lucas ISICS Tower - Tornado Damage (Signed).pdf

Tammy & Executive Council

I was notified this morning, 4-5-22, during our weekly Motorola Warranty Update call that Motorola repair crew reported on Monday they discovered a broken radome cover that was caused during the 3-5-22 Tornado event. Initially it was on the list of potential sites on the 3-5-22 Initial Notification (see attached) that could have sustained damage. One of our technicians thought he could see a break in the cover when he inspected the site from the ground after the tornado but was not sure. This week Motorola tower crews were able to confirm it was in fact broken. In my 3-17-22, Allocation request, I advised that it appeared that the Lucas tower was the only tower that sustained damage during this event. I must amend that with this email advising that Keosauqua Tower also had tornadic damage. I have asked for an estimate for the damage repair and should have something for you shortly. I anticipate a ballpark estimate for now is \$10,000.00. This is the only other additional damage we have for the 3-5-22 Tornado event. When I receive a formal repair estimate from Motorola, I will submit another Allocation Request for the Keosauqua Tower.

I apologize for the late notification of this damage. Motorola Work crews have been swamped and just finished the repairs from other storm damage events. It took a while to get this damage confirmed.

Capt. Pierce

**Captain Richard Pierce**  
Bureau Chief  
Iowa DPS Communications Interoperability Bureau  
Office of the Commissioner  
215 E.7<sup>th</sup> Street  
Des Moines, Ia 50319  
Work Ph# (515) 725-6113  
Cell Ph# (712) 269-0730

Email: [pierce@dps.state.ia.us](mailto:pierce@dps.state.ia.us)



## Newton, Victoria [TOS]

---

**From:** Pierce Richard <pierce@dps.state.ia.us>  
**Sent:** Monday, March 7, 2022 2:50 PM  
**To:** ExecutiveCouncil [TOS]; Hollingsworth, Tammy [AOS]  
**Cc:** Dostal Sandra  
**Subject:** 3-5-22 Follow-up ref Possible 29C20 Damage - Tornadoic wind impacts on the ISICS Sites  
**Attachments:** 3-5-22 Initial 29C20 notification of possible Tornado Damage to ISICS Tower sites;  
3-5-22 Photo of damage around Lucas ISICS Tower.jpg

Executive Council and Tammy

Attach is a photograph of the Lucas ISICS Tower site reflecting it's vecnity to the F3 Tornado that cam though the area. Listed below are additional ISICS Sites that could be effected. We are still waiting the assessment.

Capt. Pierce

---

**From:** Maiers Christopher <maiers@dps.state.ia.us>  
**Sent:** Saturday, March 5, 2022 9:30 PM  
**To:** Pierce Richard <pierce@dps.state.ia.us>; Hove Heath <hove@dps.state.ia.us>; Duden Joshua <duden@dps.state.ia.us>  
**Cc:** Richardson Scott <richards@dps.state.ia.us>; Brittain David <brittain@dps.state.ia.us>; Stufflebeem Connie <stuffleb@dps.state.ia.us>; DAVID GORDON <dave.gordon@motorolasolutions.com>; Brian Flynn <brian.flynn@motorolasolutions.com>; Chad Gappa <chad.gappa@motorolasolutions.com>  
**Subject:** Storms Tonight & Impacts on the ISICS Sites

Captain Pierce, Lt. Hove, and Sgt. Duden,

Tonight we had numerous severe storms traverse the state that affected several of the ISICS sites. Several sites may have taken on damage as a direct impact of those storms. They are listed below. An example is attached that has been pulled from social media (Lucas site in the path of downed power poles in the path of a tornado). However this does not include local enhancements to the initial build out of the ISICS network. There may be additional local enhancement sites that need attention.

- Mitchellville/Jasper Scales
  - Possible hail in the morning and wind in the evening
- Adams
  - Possible hail and verified tornado/wind in the area
- Madison/Winterset
  - Verified tornado in the vicinity of the site with suspected EF-3 damage
- Norwalk site of DSM Simulcast
  - Possible near-by tornado and wind
- Lucas
  - Likely direct tornado hit
- Albia
  - Possible wind damage and was in a tornado warning with main area of concern passing near site
- Tama

- Possible wind and tornado near-by based on radar data
- Benton MW
  - Possible high winds based on radar data. Check microwave data for issues.
- Keokuk
  - Possible hail and high winds based on radar data. Check microwave data for issues.
- Fairfield
  - Possible high winds based on radar data. Check microwave data for issues.
- Jones
  - Possible high winds based on radar data. Check microwave data for issues.
- Cedar Rapids
  - Possible high winds based on radar data. Check microwave data for issues.
- Iowa City/Coralville
  - Possible high winds based on radar data. Check microwave data for issues.
- Keosauqua
  - Possible high winds based on radar data. Check microwave data for issues.
- Louisa
  - Possible high winds based on radar data. Check microwave data for issues.
- Muscatine
  - Possible high winds based on radar data. Check microwave data for issues.
- Beaverdale
  - Possible high winds based on radar data. Check microwave data for issues.
- Zwingle
  - Possible high winds based on radar data. Check microwave data for issues.

In addition to the possible damage, we had a few sites lose power. It will be beneficial to check the propane tank levels and schedule refills appropriately.

I will add that Dave Gordon and Scott Richardson worked diligently on a weekend to verify that sites survived the storms. A tremendous amount of credit is due to them for their commitment to ensure that the ISICS is the most reliable communications network in Iowa. This is on top of the commitment of the rest of the DPS team (Dave Brittain and Connie Stufflebeem) to ensure that local agencies get what they need to utilize the network effectively on a daily basis.

Please let me know if you have any questions.

Thanks,

Chris

## 29C20 and FEMA Request Tracking Spreadsheet

29C20 and FEMA Request Tracking Spreadsheet														
Date of Event	AOH Event Description & Property Damaged	29C20 and/or FEMA	Initial Notification	DIG Added Estimates			Allocation Request Sent	Final Invoice cost	Reimbursement claim - Date Sent	FEMA RPA submitted	FEMA Funds Reimbursed	29C20 Funds Reimbursed	DPS Cost to Date	Notes
				Met 50K Threshold	29C20 Cancelled	Initial Repair Estimates								
3/10/2021	Cedar Rapids (Old DPS Leo Tower) - strong wind broke tower cable	29C20	3/11/2021	Yes	NA	\$6,576.00	4/26/2021	\$6,576.00	7/13/2021	NA	NA	12/13/2021	4520	Combined into one claim (3-10 & 3-29 AON events)
3/29/2021	Cedar Rapids (Old DPS Leo Tower) - strong wind broke tower cable	29C20	3/29/2021	Yes	NA	\$3,266.00	4/26/2021	\$3,266.00	7/13/2021	NA	NA	12/13/2021	4520	Total combined claim: \$9,842.00
3/16/2021	Waterville Tower - Replace Light System to Leo Tower	29C20	3/16/2021	Yes	NA	\$129,486.54	3/19/2021	\$54,537.72	4/7/2021	NA	NA	5/16/2021	4529	1-19-22 Light system issue - 522-431-36, 4-4-22 installation issue - 532-084-38 (National Tower Controls)
10/20/2021	Palo Alto SICIS Tower - Damage - Lightning strike to top beacon	29C20	12/16/2021	Yes	NA	\$10,598.00	12/29/2021	\$10,598.00	3/8/2022	NA	NA	4/1/2022	4529	Was not notified by Motorola until 12-16-21
11/25/2021	Statewide Derecho - Wind damage to Multiple SICIS Towers	29C20 & FEMA	12/16/2021	Yes	NA	\$406,641.13	3/8/2022	\$387,527.91	4/12/2022	3/27/2022	NA	NA	4520	Wittenwyler advised sub 29C20 & FEMA Grant application for general fund reimbursement
11/22/2021	Statewide Derecho - Gunders DPS Tower, broken lower Guy Wire	29C20	12/16/2021	Yes	NA	\$6,801.00	3/8/2022	\$6,801.00	3/8/2022	NA	NA	NA	4520	Allocation & Reimbursement Claim made on same date.
3/8/2022	Mason City SICIS Tower - Beacon Failure - Possible AON	29C20	3/8/2022	Unknown	NA	\$10,598.00	3/8/2022	NA	NA	NA	NA	NA	4529	AON determination pending
2/21/2022	Kossuth SICIS Tower - Beacon Failure - Possible AON	29C20	2/21/2022	Unknown	NA	\$10,598.00	NA	NA	NA	NA	NA	NA	4529	AON determination pending
2/23/2022	Fayette SICIS Tower - Beacon Failure - Possible AON	29C20	2/24/2022	Unknown	NA	\$10,598.00	NA	NA	NA	NA	NA	NA	4529	AON determination pending
3/5/2022	Keosauqua SICIS Tower - Tornado damage to Radome Cover	29C20	3/5/2022	Yes	NA	\$8,722.00	NA	NA	NA	NA	NA	NA	4529	Covered under the initial request of damage. Confirmed on 4-5-22 & followup notification made
3/5/2022	Lucas SICIS Tower - direct hit by EF-3 Tornado	29C20	3/5/2022	Yes	NA	\$44,534.76	3/17/2022	NA	NA	NA	NA	NA	4529	4-11-22 Lucas & Keosauqua damage threshold not qualify for FEMA Reimbursement
3/25/2022	Rodwell City SICIS Tower - Broken Radome	29C20	3/26/2022	Unknown	NA	\$8,722.00	NA	NA	NA	NA	NA	NA	4529	Estimate Pending
3/28/2022	Zwingle SICIS Tower - Beacon Failure - Possible AON	29C20	3/28/2022	Unknown	NA	\$10,598.00	NA	NA	NA	NA	NA	NA	4529	AON determination pending
3/28/2022	Clayton SICIS Tower - Beacon Failure - Possible AON	29C20	3/28/2022	Unknown	NA	\$10,598.00	NA	NA	NA	NA	NA	NA	4529	AON determination pending
3/28/2022	Brewster SICIS Tower - Beacon Failure - Possible AON	29C20	3/28/2022	Unknown	NA	\$10,598.00	NA	NA	NA	NA	NA	NA	4529	AON determination pending
3/28/2022	Grundy SICIS Tower - Beacon Failure - Possible AON	29C20	3/28/2022	Unknown	NA	\$10,598.00	NA	NA	NA	NA	NA	NA	4529	AON determination pending
4/5/2022	Woodward SICIS Tower - Radome damage from debris	29C20	4/5/2022	Unknown	NA	\$8,722.00	NA	NA	NA	NA	NA	NA	4529	MotorWork cover discovered on 4-4-22, closed during 4-5-22 Moto walk call. Estimated occurrence end of March.
4/12/2022	Mason City SICIS Tower - Broken Radome & Antenna damage AON	29C20	4/13/2022	Yes	NA	\$48,793.00	NA	NA	NA	NA	NA	NA	4529	NWS Predicted Severe Storm with highwinds covering wide area of Iowa over right 4-12-22
4/12/2022	Franklin SICIS Tower - Antenna Alignment - Possible AON	29C20	4/13/2022	Unknown	NA	\$15,286.00	NA	NA	NA	NA	NA	NA	4529	NWS Predicted Severe Storm with highwinds covering wide area of Iowa over right 4-12-22
4/12/2022	Storm Lake SICIS Tower - Broken Radome AON	29C20	4/12/2022	Yes	NA	\$8,722.00	NA	NA	NA	NA	NA	NA	4529	NWS Predicted Severe Storm with highwinds on 4-12-22. Observations during the inspection on 4-20-22
5/1/2022	Marshalltown to Grundy SICIS tower - path alignment AON	29C20	5/3/2022	Yes	NA	\$16,429.00	NA	NA	NA	NA	NA	NA	4529	Strong winds moved dishes deflecting path
5/16/2022	Winnebago SICIS Tower Beacon Failure - Possible AON	29C20	5/17/2022	Unknown	NA	\$10,598.00	NA	NA	NA	NA	NA	NA	4529	AON determination pending