

Kim Reynolds
Governor
Adam Gregg
Lt. Governor



Department of Public Safety

Stephan Bayens
Commissioner

March 17, 2022

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

State of Iowa Executive Council:

On 3-5-22, an F-3 tornado passed within 1000 feet of the ISICS Communication Tower located in Lucas County. Due to this severe tornadic weather event, the Lucas ISICS tower sustain damage to two Communication dishes and two Radome covers, which are protective covers designed to help prevent minor damage from birds, hail and flying debris during normal weather related conditions. 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 3-17-22, Motorola was able to complete a rough estimate of the damage sustain during the tornado and it appears that only the Lucas site was damage. Motorola also provided a summary of the damage to the Lucas Tower which includes photos. I have also attached a screen shot of the tornado track in relation to the Lucas tower and a photograph of the damage that occurred in the general proximity of the tower. The Lucas tower can be seen in the distance. The total estimated damage is \$44,534.76. The repairs have been ordered today; however, due to supply chain delays and other Motorola towers repair commitments in Iowa and other states, I do not expect the repairs to be competed and invoiced for several months.

The DPS Interoperability and Communications Bureau is respectfully submitting a 29C20 Allocation Request for \$44,534.76 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. 7th Street
Des Moines, Ia 50319

Newton, Victoria [TOS]

From: Pierce Richard
Sent: Saturday, March 5, 2022 11:58 PM
To: ExecutiveCouncil [TOS]; Tammy.Hollingsworth@auditor.state.ia.us
Cc: Wittenwyler Jim; DAVID GORDON; Hove Heath; Duden Joshua
Subject: 3-5-22 Initial 29C20 notification of possible Tornado Damage to ISICS Tower sites

Executive Council and Tammy

Due to the extreme winds produced by the super cell Tornado that swept through Iowa on 3-5-22, it is suspected that several ISICS Towers may have sustained damage and/or microwave dish misalignment issues (see the notification from Motorola below). Over the next few days we will have a better grasp of the extent of the damage once an assessment can be conducted. I will advise further in the next week or two. In the meantime, please accept this email as the initial 29c20 notification of possible AON damage.

Capt. Pierce

From: "Dave Gordon" <dave.gordon@motorolasolutions.com>
Subject: ** External Email Alert ** Re: Storms Tonight & Impacts on the ISICS Sites
Date: 05 March 2022 23:04
To: "Maiers Christopher" <maiers@dps.state.ia.us>
Cc: "Pierce Richard" <pierce@dps.state.ia.us>, "Hove Heath" <hove@dps.state.ia.us>, "Duden Joshua" <duden@dps.state.ia.us>, "Richardson Scott" <richards@dps.state.ia.us>, "Brittain David" <brittain@dps.state.ia.us>, "Stufflebeem Connie" <stuffleb@dps.state.ia.us>, "Brian Flynn" <brian.flynn@motorolasolutions.com>, "Chad Gappa" <chad.gappa@motorolasolutions.com>, "Steven Pyle" <steve.pyle@motorolasolutions.com>, "DAVID GORDON" <dave.gordon@motorolasolutions.com>

****External Email Alert**** This email is from outside DPS. **DO NOT CLICK** links or attachments unless you expected them. If unsure please forward to ITOC@dps.state.ia.us for review.

Good Evening,

We had our team monitoring things this evening and wanted to send a quick report.

Lucas appears to be the only ISICS site still running on generator due to the commercial power failure as of 11:00pm.

We have seen various microwave alarms and have identified concerns with sites like Lucas, Hooper and Benton to look into further. We will also be reviewing the microwave reports to see if there are any other concerns.

We will talk with our team in the morning and discuss our action plan. As of right now we should get eyes on at least Lucas, Madison, Hooper and Benton tomorrow to assess for damage and take pictures. Then we can discuss the other sites and how you want to proceed.

Thanks,

Dave

On Sat, Mar 5, 2022 at 9:30 PM Maiers Christopher <maiers@dps.state.ia.us> wrote:
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

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- Keosauqua
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- 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

--
Dave Gordon
Customer Support Manager
Motorola Solutions, Inc.
State of Iowa

M: +1.319.321.1134
E: dave.gordon@motorolasolutions.com

Newton, Victoria [TOS]

From: Pierce Richard
Sent: Monday, March 7, 2022 2:50 PM
To: ExecutiveCouncil [TOS]; Tammy Hollingsworth
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.

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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>
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