Iowa Homeland Security & Emergency Management
7900 Hickman Rd, Ste 500
Windsor Heights, IA 50324

Iowa Flood Mitigation Program (FMP)
Flood Recovery Project Application

What is the Flood Recovery Fund?

A Flood Recovery Fund is established in the state treasury under the control of the Flood Mitigation Board to provide funding to eligible political subdivisions of the state to implement flood response, flood recovery, or flood mitigation projects.

Eligibility:

1) An eligible applicant is a political subdivision of the state located in a county designated under presidential disaster declaration DR-4421-IA and also located in a county where the federal emergency management agency individual assistance program has been activated.

2) Eligible projects must support flood response, flood recovery, or flood mitigaiton. Eligible project types include construction and reconstruction of levees, embankments, impounding reservoirs, conduits or other means that are necessary for the protection from the effects of floodwaters and may include the deepening, widening, alteration, change, diversion, or other improvement of watercourses if necessary for the protection of such property from the effects of flood waters. A project may consist of one or more phases of construction or reconstruction that are contracted for separately if the larger project, of which the project is a part, otherwise meets the requirements of this subrule.

Application Process:

This application is designed to capture the necessary information to meet program requirements.

1) Description of the project and how the project supports flood response, flood recovery, or flood mitigation activities.

2) Description of financial assistance need through the Flood Recovery Fund.

3) Description of the necessary expense or serious need of the political subdivision.

4) Details on any additional funds to be applied to the project.

Flood Mitigation Board Process:

1) Review the application.

2) Approve, defer, or deny the application.

Iowa Flood Mitigation Program (FMP)
Flood Recovery Project Application

I. Applicant Information

A. Applicant/Community Name	B. Address		City, State, Zip Code
Scott County Emergency Management	1100 E. 46th Street		Davenport, IA 52807

C. Point of Contact (POC) Name for Project	POC Title	POC Agency	POC Email
Brian P. Payne	Deputy Director	Emergency Management	brian.payne@scottcountyiowa.com

POC PO Box and Zip Code	POC Street Address	POC City, State, Zip Code	POC Phone
52807	1100 E. 46th Street	Davenport, IA, 52807	563-343-3313

Alternate POC Name or Authorized Representative	Alt POC Title	Alt POC Agency		Alternate POC Email
Dave Donovan	Director	Emergency Management		david.donovan@scottcountyiowa.com

Alt POC PO Box and Zip Code	Alt POC Street Address	Alt POC City, State, Zip Code	Alt POC Phone
52807	1100 E. 46th Street	Davenport, IA, 52807	563-484-3036

D. Federal Tax ID # / FEIN	E. County Name	F. US Congressional District(s)	State Legislative Districts	
			Senate	House
	Scott County	2	45	90

G. Is the Applicant/Community participating in the National Flood Insurance Program (NFIP)?	Community's CID Number
Yes	**190239**

II. Project Cost Information

A. Identify the requested funding source: **Permanent Work**

B. Project Budget Summary

Shive-Hattery Engineering – Design	$	40,000.00
Well	$	375,000.00
Storage tank	$	50,000.00
Electrical	$	15,000.00
Distribution piping	$	50,000.00
Contingency – 5%	$	26,500.00
Total Project Budget Summary	**$**	**556,500.00**

C. Project Funding Source

Identify all anticipated funding sources for the project and the amounts.

State that you have applied for and/or received approved federal, state and/or local financial assistance.

Please insert additional rows as needed.

Identify source	Applied/ Received	Federal $	State $	Local $	TOTAL
Flood Recovery Fund	Applied		$417,375		$ 417,375.00
Genesis Health System				$ 139,125.00	$ 139,125.00
					$ -
					$ -
					$ -
					$ -
					$ -
					$ -
					$ -
					$ -
					$ -
					$ -
					$ -
					$ -
					$ -
					$ -
					$ -
					$ -
Total Project Funding Source		$ -	$ 417,375.00	$ 139,125.00	$ 556,500.00

III. Project Plan Summary

A. Provide a brief description of the project and how the project supported flood response or will support future flood recovery and flood mitigation activities. This is a summary of Tab B - Project Plan.

Scott County Emergency Management Agency is concerned about the coming flood season and the affects it may have on our community. According to the most recent National Weather Service (NWS) 2020 Probabilistic Spring Flood Outlook, "probabilities for Spring flooding remain highest for the Mississippi River." The NWS report indicates the snow pack in the Upper Mississippi River basin across Minnesotta and Wiscosin continues to build, odds are favorable for above normal precipitation, local soil moisture is higher than normal, and local and Mississippi River levels are higher than normal, mid-winter levels. All of these threats show we are under an "increased threat" for high river levels and local flooding.

During the flooding of 2019 it was identified that Scott County was at significant risk of losing waste water treatment and the community's only potable water source. The impacts would have been catastrophic for 80.4% of Scott County residence, including the communities of Bettendorf, Davenport, Panorama Park, and Riverdale. Potable water management and waste water treament are closely connected at high Mississsissippi River levels. Due to the location of the potable water plant, it is at risk of of being under water if the river reaches 29 feet. An additional risk, due to the plant location, is the inundation of waste water into the potable water treatment plant if Mississsissippi River levels reach 23.5-24 feet; the point the waste water plant is flooded and unable to operate. The loss of potable water would have forced our healthcare partners to utilize tanker trucks to supply water for all federally identified Centers for Medicare & Medicaid Services (CMS) facilities. The requested grant funds would fund a "standby" water well project for Genesis Health System, East Campus to provide their facility a non-potable water supply. This project would allow Scott County to maintain an inpatient hospital with acute/emergency care capabilities in our community. Additionally, the installment of a well at this hospital would lessen the amount of water that would need to be trucked into our community. This would alleviate the need to evacuate approximately 237 patients (based on their average daily census) all with varying illnesses and injuries. Those illnesses and injuries could include patients from their Cardiac Intensive Care Unit, Neonatal Intensive Care Unity, OB, Surgery Recovery area, observation floors, etc. While viewing the community as a whole, our needs for water would greatly outweigh the supply. However, by establishing a well that could maintain critical components of this facility, it would allow us to redirect resources to the other areas of needs. It would also significantly reduce the risk of life by NOT evacuating a large hospital.

The well itself will be certified as a non-potable well because of requirements that are regulated by the State of Iowa DNR. Scott County Emergency Management worked with the Iowa DNR to identify solutions to overcome and/or resources to ensure the water was purified, however, the cost of testing, licensing, and treating the well as a "public water source" is not fiscally feasible. Scott County Emergency Management has reviewed the possibility of contracting an agency to maintain the well to meet the State's regulations, but again this cost is unclear and we were told it would be a "very expensive" liability. The exact financial numbers of establishing a public water source are unclear, so this water well would be a standby well for disasters to allow the hospital to continue day to day operations. Please see the attached document for further details.

B. Provide a brief description of the financial assistance need through the Flood Recovery Fund.

This project would not be possible without support from the Flood Recovery Fund. Scott County Emergency Management is requesting the following funding support:
• 75% Funding From the Flood Recovery Fund
• 25% of this project will be funded by local match

The local match will be provided by Genesis Health System. This project is being applied for by Scott County Emergency Management Agency, but assets will be leased to Genesis Health System with appropriate legal agreements to ensure the following:
•The Water Well is maintained to all State and Federal regulations
• It remains operationally ready at all times, or to the best of their ability

C. Explain how financial assistance through the Flood Recovery Fund is essential to meet the necessary expenses or serious needs of the applicant related to flood response, flood recovery, and flood mitigation.

Healthcare resiliency for Scott County would be greatly improved from this project. Through this section of the grant application we want to provide you with information that will help you to understand why this funding could potentially save lives, resources, public assistance funding, and reduce the emotional impact for our residents. Please see the attached document for those details.

D. Provide details of any additional funds that can be applied to the project.

At this time the only other source of funds is Genesis Health System's 25% match. However, we are evaluating the opportunity to work with the Iowa Healthcare 5A Coalition to assist with financial support to provide potable water treatment equipment training and exercise.

E . Description of Project Location (i.e. Latitude and Longitude (minimum 6 digits after the decimal), Neighborhood, Subdivision, Geographic Boundaries, Driving Directions, etc.)

This Water Well will be established at Genesis Medical Center East Campus, 1227 E. Rusholme Street Davenport, Iowa. Please see the attatched document for a map location this project, and further project details.

IV. Work Schedule

A. List the major milestones for this project.

Task	Months/Years from Award			Responsible Party
	Start	Complete		
Award	1	1		Flood Mitigation Board & HSEMD
Final Design, Permitting & Easements	1	2.5		Scott County
Procurement for construction	2.5	3.5		Scott County
Construction	3.5	4.5		Scott County
Testing, Inspection & Acceptance	4.5	5.5		Scott County
Project Closeout	5.5	6		Scott County & HSEMD
Per Contracting Vendor: "Conservatively would be 6 months, but could be sooner with State support and aggressively pursed the project"				
Total Project Duration:	**6 Months**			

V. Certifications

To the best of my knowledge and belief, I certify that all data in this application packet is complete, true and correct. The governing body of the applicant has duly authorized this document and hereby applies for assistance as documented in this application. The applicant understands that the project shall not proceed until Flood Mitigation Board approval is granted.

Signature of the Chief Executive Officer

Name of the Chief Executive Officer

Title

Organization

Date

Phone Number

Signature of the Authorized Representative

Name of Authorized Representative

Title

Organization

Date

PO Box / Street Address

City, State and Zip Code

Phone Number

Email Address

SCOTT COUNTY EMERGENCY MANAGEMENT AGENCY'S

Flood Recovery Fund Grant Application & Information

Help Us to Save Lives, Recover Quicker, & Become More Resilient

With the Placement of a Water Well

Payne, Brian P.
brian.payne@scottcountyiowa.com

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A. Provide a brief description of the project and how the project supported flood response or will support future flood recovery and flood mitigation activities. This is a summary of Tab B - Project Plan.

Further Information & Details:

Additionally, Scott County Emergency Management is aware of water purifying equipment within the State of Iowa that could be available through the State IMAC agreement to meet their water needs. The following are reasons why this well does not need to be considered a potable water source to meet the infrastructure needs that we are looking for:

1. Pallets of bottled water could be transported in within 60 minutes to their facility
2. The primary reasons for a mass evacuation are because of their physical structure such as:
    a. Regulate their buildings temperatures
    b. Fire Protection
3. Handwashing
    a. Hand sanitation for day to day operational areas would be managed by other medically approved methods, such as hand sanitizer
    b. Operating rooms would sterilize their hands by handwashing with medical grade sterile water
4. Genesis East's current plans for a loss in water state they will have semi tankers provide potable water. However, their plans also state they will stop providing and/or "close" any public drinking points and provide bottle water for safe drinking and conservation.

The financial impacts to evacuate this facility to hospitals outside the County would cost an upwards of $143,859.00 in ambulance transport fees alone. This is based on the aforementioned average daily census and the cost of local advanced life support ambulance transport fees. This estimated cost does not include the cost for specialty care transports, including aeromedical vehicles. This project would also maintain this facilities structural well-being. This specific facility just expanded with multiple floors, surgery suites, and state of the art operating rooms that cost around $140,000,000. If the facility lost it's only water source and was unable to maintain adequate supply by trucking in water, then they would lose their chiller or boiler systems. This would inherently cause temperature variations within their facility, which would lead to condensation within the building, mold, and possibly other structural problems.

This project will allow health services to remain in Scott County during the disaster period, and would decrease the number of patients needing transport to a health care facility outside the affected area. History has shown mass evacuations lead to additional health issues up to and including death of a patient. This project will save lives, save resources, and save the community money.

C. Explain how financial assistance through the Flood Recovery Fund is essential to meet the necessary expenses or serious needs of the applicant related to flood response, flood recovery, and flood mitigation.

Further Information & Details:

Partnership Information:

Genesis Health System- East Campus
Genesis Health System is a multi-county healthcare infrastructure that serves thousands of patients every year. The information below is specific to Genesis East (Projected Water Well location), and will help you to understand how vital this resource is to not only Scott County, but to the regional healthcare area.

Mission, Vision, Values:

- Mission:
  - Genesis Health System exists to provide compassionate, quality health services to all those in need.
- Vision:
  - Genesis will be a national leader in health care quality and safety, recognized by all as the best place in the region to receive care...practice medicine...and work.
- Values:
  - Genesis Health System realizes and is committed to the mission and vision through:
    - **Integrity:** We are honest, open in our communications, and consistent in doing what we say we will do.
    - **Compassion:** We provide a caring response to the physical, emotional and spiritual needs of all.
    - **Safety:** We practice safety behaviors and error prevention techniques to ensure the safety of our patients, visitors and co-workers.
    - **Accountability:** We accept individual and collective responsibility for everything we do.
    - **Respect:** We recognize the dignity and worth of the individual, acknowledging the diversity of needs, experiences and talents of each person.
    - **Excellence:** We strive to achieve the best in everything we do.

"History & Bio"

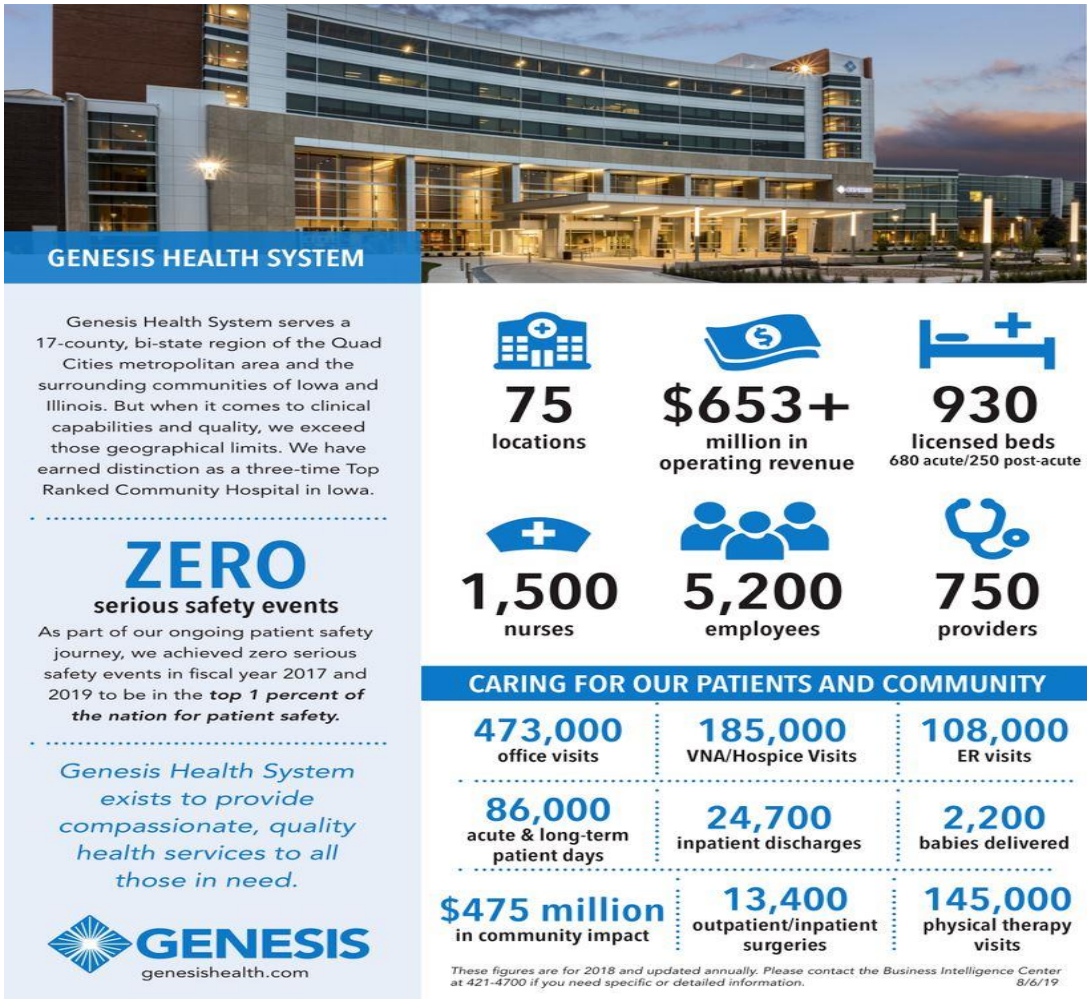
- In 1869, the predecessors of Genesis Health System gave birth to the third community hospital west of the Mississippi. Over 150 years later, we continue to grow, building relationships with generations of families, contributing to the community, broadening services throughout the Quad Cities region, and bringing new heights of excellence in health care. Genesis Health System serves a 17-county, bi-state region of the Quad Cities metropolitan area and the surrounding communities of Iowa and Illinois. But when it comes to clinical capabilities and quality, we exceed those geographical limits. We have earned distinction as a three-time Top Ranked Community Hospital in Iowa. As part of our ongoing patient safety journey, we achieved zero serious safety events in fiscal years 2017 and 2019 to be in the top 1 percent of the nation for patient safety. Meanwhile, as we grow, we never forget our mission to deliver compassionate, quality health services to all those in need. Over time, that has transcended into

a very personal bond with the communities we serve. We remain the Quad Cities' only locally owned and operated regional health care system. That longstanding relationship brings our patients the assurance that health care decisions impacting our area are made by people who live and work in the same region that they do."

Genesis's "Reach"

- Genesis Health System and its affiliates offer a full continuum of care, including preventive, primary, acute and tertiary hospital care; home health; hospice; rehabilitation and long-term care. Our affiliates include: Genesis Medical Center, Davenport; Genesis Medical Center, Silvis; Genesis Medical Center, DeWitt; Genesis Medical Center, Aledo; Genesis Medical Education Foundation, Visiting Nurse Association, and GenVentures Inc. Genesis Health Group is the region's largest multi-specialty provider group with more than 200 providers and 40 clinic locations, several Convenient Care locations, and the Genesis Quad Cities Family Medicine Residency program.

By the Numbers



- Genesis is committed to minimizing health care costs, enhancing the range and quality of services offered, and improving access to care for all those in need.

- The evolving health care environment will certainly change in the years ahead, but our commitment to the region will remain the same -- to provide compassionate, quality health care to all those in need.
- Please see Appendix A for a list of their awards

Facility and Operational Facts for Genesis East

- Genesis East Average In-Patient Census:
  - 237
- Average Daily Water Consumption
  - 36,816 gallons per day
  - Record Consumption for one day
    - 74,181 (Summer Month)
- Annual Surgery/Procedures
  - In-patient: 3,440
  - Out-patient: 9,316
  - Cath Lab Procedures: 7,199
  - Births/Baby Deliveries: 1,965
- Admissions from Other Facilities into Genesis East Hospital:
  - Genesis Dewitt: 301
  - Jackson County: 249
  - Genesis Aledo: 107
  - Genesis Silvis: 359
  - University of Iowa: 186
- Organizational Structure
  - See Appendix B

Other Indirect Impacts

Other agencies, families, and patients could be significantly impacted from a loss of this hospital's capabilities. Below is a brief overview of agencies and/or operations that could be significantly impacted if this facility shuts down:

- Medic EMS is the largest ambulance provider within Scott County and its operating district is covering (estimated) 95% of Scott County's ambulance response
- Medic's Yearly Response and Transports
  - Transfers: 6,094
  - Emergency Calls: 24,438
  - Emergency Call Transports to Hospitals within Scott County: 16,085
    - With facility shutdown, these transports would have to be transported to another hospital **OUTSIDE** of Scott County
  - Average Emergency Call Transports per day: 16,085/365= 44.07
  - Average Emergency Call length from time of Dispatch to Available (average time when transported to Genesis East): 60 minutes
  - Total Time Spent On Calls: 2,680.2 minutes every 24 hours
  - Average emergency call length from time of dispatch to available (average time when transporting to an Illinois Hospital): 80 minutes
  - Total Time Spent On Calls if these patients would need to be transported to an Illinois Hospital:

        - Total average time would be 3,525.6 minutes every 24 hours
        - Increase from day to day operations by 845.4 minutes or 14.09 hours each day
        - This increase is to show that normal day to day operations would cause this agency an extra 14 hours (+) of operational work and/or work load simply because of the transporting location. This would require increase number of resources to maintain just the "blue sky" resource management.
    - Average Transfer time to most common Hospitals
        - U of Iowa, VA, & Mercy: 180 minutes
        - St. Francis Medical Center Peoria, IL: 262 minutes
        - Unity Point Rock Island: 100 minutes
        - Genesis Health System, Silvis: 110 minutes
        - Mercy One Clinton: 180 minutes
        - Dubuque: 210 minutes
        - Cedar Rapids: 216 minutes
        - Genesis Health System DeWitt: 116 minutes
        - Maquoketa: 150 minutes
- Genesis Materials Management and/or Logistic Supply Chain
    - Genesis East is the primary hub for all supplies/logistics for their entire health system.
    - Last Quarter CY 2019 (September-December): 2,244,315 items were distributed with 16,272 separate shipments
    - Without this facility being open and/or operating, it could cause downstream barriers for other Genesis facilities.
    - Please see Appendix C for further details on their supply chain

- Other hospital admissions, transfers, and emergency patient diversion would have to be taken somewhere else.
- The physical affect within these types of buildings during a loss of their ability for temperature control would be significant. Our community would require emergency assistance with a Federal Disaster Medical Team to help us establish mobile emergency room care
- Prioritization in the event of evacuation due to loss of potable water:
    - With the potential evacuation of every hospital (total of 4) and every federally identified in-patient medical facility, there would be thousands of medical patients requiring immediate transport and assistance.
    - Genesis East's licensed number of beds is higher than their daily average. They could admit to capacity, water trucks resources could be redirected to maintain other medical facilities, and overall would reduce the impact for many other medical facilities.

Summary

This project may not be your typical request under the Flood Recovery Fund, but our community was potentially within 8 inches of this hazard from becoming a reality. If the Mississippi river level would reach 23.5', at the Rock Island Gauge, the City of Davenport's Waste water treatment plant would need to shut down operations to 50% output. At 24', they would have to completely shut down their operations. They were averaging over 120,000,000 gallons of waste water being processed/released every 24 hours. We crested on 05-02-2019 at 22.7', for a new record, and on 05/03/2019 (river levels still at 22.7') we were advised by the National Weather Service that we were in line for 5-6 days of rain. The National Weather Service advised us that the Mississippi River could see rises up to 25'. Projected impacts were estimated to be significant, but one specific hazard was how manholes within the

downtown Cities of Davenport, Bettendorf, Riverdale, and Panorama Park would "fly off from the ground with geyser of waste water" due to pressure on the sanitary sewer system and nowhere for the sanitary waste to go, should it be necessary to shut down waste water treatment. On 5/01/2019, our Potable Water Plant had already experienced sewer backups from their manholes, and a crack in their flood wall on 05/02/2019.

At this time, we cannot definitively predict what a loss of waste water treatment would mean for our potable water plant. We do know, however, that additional pressure on the waste water system would mean additional waste water backing up, behind the flood wall, at the plant. We also know that the threat from those conditions to our ability to provide potable water to our community is very real and very likely if conditions like those present in 2019 were to happen again. We also know that flooding events seems to be happening more frequently and with greater severity. This project will help one mitigation for one very important piece of our community's critical infrastructure and to protect against what we see as an inevitable future outcome for our community.

The cities of Davenport and Bettendorf are working on some future mitigation projects to ensure more systemic and robust protection for the entire community. However, these projects will cost in the hundreds of millions of dollars and are estimated to take 5-10 years to complete. With the increased rain, flooding, and watershed into the Mississippi River, we are seeing rises and record changes every year. We do not see these conditions and this problem lessening in the future.

Here are a few of the identified hazards of our potable water company:

- Flooding
- Loss of Davenport's Waste Water Treatment Plant
    - For any reason, but their highest identified hazard is river flooding
- Canadian Pacific train derailment (train tracks run through the middle of their plant's operation)
- Tornado
- Barge/Tow incident
- Hazardous materials within the Mississippi River causing them to shut down production
- Loss of IT infrastructure
- Manmade disaster and/or terrorist event

Over the last 12 months here are a few **real-world** incidents that took place which nearly caused or could potentially cause the shutdown of our potable water source:

- 2019 River Flooding
    - River levels came within seven inches of causing the potable water plant to close and cease operations.
    - Specifically, on 5-4-2019 we met with Healthcare Partners to start the planning of evacuation and shutdown of every medical facility within Scott County.
- 16 Barges came loose just north of Lock & Dam 14. One barge crashed into the locks and was carrying hazardous materials that would have forced ALL potable water plants with the Quad City Area to shut down production
- Train derailment in Le Claire, IA around mile marker 497 on the Mississippi River, and our potable water plant resides at mile marker 484 on the Mississippi River. Initial reports were stating rail cars were in the river and spilling hazardous materials into the river

- Two separate incidents that were classified as “near misses” of a barge VS train accident. Barges have been pushing ashore to “park,” and fully loaded trains have almost hit them. One was within 3 feet of hitting a barge

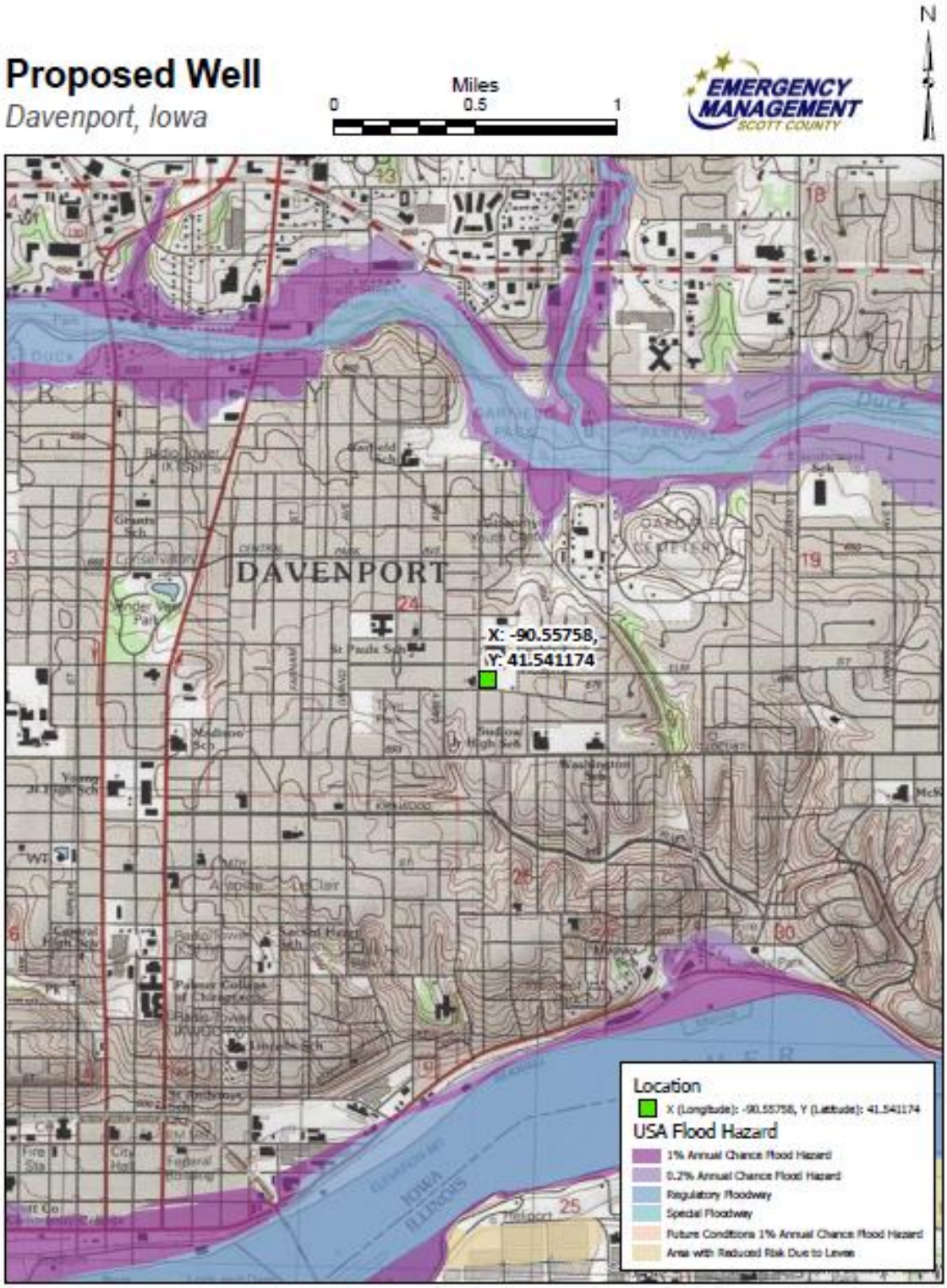
Every one of these incidents have taken place between April 2019 - January 2020 and all were located within Scott County. While we work diligently on other mitigation and training aspects to increase our community’s safety from these events, we still recognize that a single point of failure may lead to the loss of potable water.

We are asking for your assistance to fund this project to help us ensure one of our four hospitals could be guaranteed to maintain its infrastructure & operations. This hospital is currently the largest facility in Scott County and offers the highest level of care. In return, this resource would not only positively impact the management of resources, but give our community that “light house on the shore” to help light the way for other healthcare efforts during this disastrous time. Our community would be greatly impacted, but everyone’s medical needs—from birth to end of life care and everything in between—would be greatly increased with this project.

We are grateful for your consideration.

D. Description of Project Location (i.e. Latitude and Longitude (minimum 6 digits after the decimal), Neighborhood, Subdivision, Geographic Boundaries, Driving Directions, etc.)

This Water Well will be established at Genesis Medical Center East (see map below), 1227 E. Rusholme Street Davenport, Iowa.



Proposed Well

Davenport, Iowa

0 200 400 600 800 Feet

EMERGENCY MANAGEMENT SCOTT COUNTY

N

Appendix A (Genesis Health System's Awards & Distinctions):

Updated Dec. 31, 2019

GHS AWARDS & DISTINCTIONS

2019

2019: GMC-DeWitt earns Pathway to Excellence re-designation.

2019: GHS wins Communitas Award for Excellence in Community Service for 150th anniversary community service projects.

2019: Genesis Cancer Care Institute honored as 30-year member of Association of Community Cancer Centers.

2019: Zero Serious Safety Events in FY19. Also achieved in FY17.

2019: QC River Bandits recognized, along with Genesis, in Ballpark Digest's Best Charity/Commitment to Charity Award for raising $100,000 in flood relief efforts.

2019: GMC-Davenport: 2 Gold Mission: Lifeline quality achievement awards for heart attack care (STEMI and N-STEMI) from the American Heart Association.

2019: GMC-Davenport: Top-performer in heart failure care and COPD treatment by U.S. News Best Hospitals.

2019: Genesis named Best Hospital and Best Doctor's Office in the QC Times Reader's Choice Awards.

2018

2018: 15th Most Wired Award

2018: Genesis earned three distinctions in the 2018 Quad City Times Reader's Choice Awards. Genesis was ranked in the No. 1 spot in these three key categories:

*** Best Hospital**

*** Best Doctor's Office**

*** Best Walk-In Clinic**

Named top 20% a total of eight times in 10 years. We didn't receive this honor in 2019, however.

2018- GHS listed in IBM Watson Health Top Quintile (top 20%) for patient safety and outcomes. (Also was named in 2017, 2016, 2015, 2014, 2012, 2011 and 2010 under auspices of Truven and Thomson Reuters)

2018- Kenneth H. McKay Center for Breast Health and Genesis Imaging Centers designated a Breast Imaging Center of Excellence by the American College Radiology.

2018 – Genesis Medical Center, Silvis BirthCenter receives Quality Award from the Illinois Perinatal Quality Collaborative.

2018 -- Genesis Medical Center, Davenport has received prestigious international recognition as a designated Baby-Friendly birth facility.

2018 – Genesis Medical Center, Davenport receives Blue Distinction Center + designation for Bariatric Surgery from Wellmark Blue Cross and Blue Shield. GMC-Dav. Also is recognized as a Blue Distinction Center in Total Knee and Hip Replacement, Maternity, and Spine Surgery.

2018 – Genesis Medical Center, East – A Top Nurse Employer in Iowa by nurse.org.

2017

2017 – GMC-Aledo recognized by Illinois Critical Access Hospital Network for exceptional quality outcomes in four domains: patient safety/inpatient; patient engagement; care transitions; and outpatient measures.

2017 -- Genesis Medical Center, Davenport ranked four stars by Hospital Compare, the highest of any hospital in the Quad Cities. GMC-Silvis was rated three stars, which matches or is better than the rating of other hospitals in the region. The site's data about patient safety, patient outcomes and patient satisfaction is available to the public at www.medicare.gov/hospitalcompare.

2017 – For the 14th consecutive year, GHS named Most Wired by Hospital.

2016

2016 – GMC-Davenport has been rated as the Top Ranked Community Hospital in Iowa for the third consecutive year by U.S. News & World Report
2016 – Genesis Center for Weight Management accredited under the Metabolic and Bariatric Surgery Accreditation and Quality Improvement Program, a joint program of the American College of Surgeons and the American Society for Metabolic and Bariatric Surgery.
2016 -- For the 13th consecutive year, GHS named Most Wired by *Hospitals & Health Networks* magazine based on the use of information technology to accomplish key goals, including safety, quality and efficiency. In addition, Genesis was one of only 19 providers nationally earning Most Wired Advanced recognition. Genesis met criteria for Most Wired Advanced in all areas of the Most Wired Survey.
2016 -- Genesis Medical Center, Davenport has the 4th-lowest 30-day readmission rate in the country following heart attack at 13.7 percent, according to Centers for Medicare and Medicaid Services. No other regional hospitals were among the top 55.
2016 --GMC-DeWitt earns nursing Pathway to Excellence re-designation by the American Nurses Credentialing Center.
2106 – GMC-Silvis receives Midas + Platinum Quality Award once again for 2015. 2014, 2013, 2011, 2010
2016 _ GMC-Davenport recognized with Blue Distinction Centers+ designation in three specialties: maternity, knee and hip replacement and spine surgery by Wellmark Blue Cross and Blue Shield.
2016 _ GHS recognized among top 20% for quality and patient safety and outcomes (for health systems with less than $750 million in total operating expenses.) by Truven Health Analytics. This is 2nd consecutive year.
2016 – GMC-DeWitt named a Top 100 Critical Access Hospital by iVantage Health Analytics
2016 – GMC- Davenport is a recipient of the 2016 Healthgrades Patient Safety Excellence Award™ for the past three consecutive years (2016. 2015. 2014)

2015

2015 – GMC-Davenport receives Magnet re-designation for nursing excellence.
2015 -- GMC-Davenport and GMC- Silvis recognized by The Joint Commission as *Top Performers on Key Quality Measures.* GMC-Silvis is the only hospital in Rock Island County recognized and was top-performing in the care of heart failure, pneumonia, surgical care and venous thromboembolism. GMC-Davenport was recognized as top performing in care of heart attack, heart failure, pneumonia, surgical and perinatal. (based on 2014 data)
2015 – GMC-Davenport receives Iowa Association of the Deaf's Dale VanHemert Community Award for improving communication needs of Deaf Community.
2015 – GMC-Davenport has been rated as the Top Ranked Community Hospital in Iowa for the second consecutive year by U.S. News & World Report. Also recognized as "High Performing" in three Common Care ratings ... COPD, heart failure and hip replacement.
2015-- Most Wired Hospital and Health System for 12th consecutive year
2015 – GMC-Silvis named the Top Midas+ Hospital, earning best scores and in the 99th percentile of more than 800 hospitals.
2015 and 2014 -- In addition, GMC-Silvis is a Midas+ Platinum Award Winner for 2015 and 2014. This means GMC-Silvis was in the top 5 percent of the Midas comparative database in AMI, PNE, Heart Failure, SCIP, acute care readmissions within 30 days and acute care length of stay and mortalities. (Also won Midas awards in 2010 and 2011)
2015 – GMC-DeWitt and Jackson County Regional Health Center listed in the Top 20 for Quality among Critical Access Hospitals by National Rural Health Association. They were listed among 60 Critical Access facilities achieving success in one of the three key areas: quality, patient perspective, and financial stability.
2015 – Jackson County Regional Health Center also selected to elite list of Top 100 Critical Access Hospitals designated by iVantage Health Analytics. (Note: GMC-DeWitt was not on this list.)

2015– GHS earns Women's Choice Awards for Heart, Stroke, Patient Safety and Cancer.
2015 – GHS named a Healthiest Employer of Iowa recipient for the second year in a row. (Won Eastern Region, Large Employer category in 2015 and 2014.)
2015 – GHS designated among the top 20% of health systems analyzed for quality and safety of patient care by Truven Health Analytics. Only IA health system to earn recognition in the 20% of 340 systems analyzed.
2015 --Westwing Place at Genesis Medical Center, DeWitt; Illini Restorative Care, Silvis, Ill.; and Genesis Senior Living, Aledo earned 5-star overall quality ratings in Nursing Home Compare ratings from the Centers for Medicare and Medicaid Services (CMS).
2015 -- Genesis Medical Centers in Davenport and Silvis named among the nation's 2015 HEALTHSTRONG Hospitals by iVantage Health Analytics. Top-performing hospitals are measured across 62 performance metrics, including quality, patient outcomes, patient perspective, affordability and efficiency.

2014

2014 – Gold-level Iowa Recognition for Performance Excellence Award. GHS is the first health system in Iowa to earn Gold.
2014 – Top 50 Heart Hospital awarded to GMC-Davenport by Truven Health Analytics.
2014 -- Genesis Medical Center, Davenport and Genesis Medical Center, Silvis only local hospitals to be awarded "A" grades from Hospital Safety Score by Leapfrog.
2014-2015 – GMC- Davenport named "Top Ranked Community Hospital" in Iowa in U.S. News Media & World Report's 2014-15 Best Hospitals rankings. Also recognized as "high performing'' in diabetes and endocrinology; gastroenterology and GI surgery; geriatrics; nephrology; neurology and neurosurgery; orthopedics; and, pulmonology
2014 – Patient Safety Excellence Award Recipient, GMC-Davenport, for hospitals in the top 10 percent of the nation for patient safety by HealthGrades.
2015 and 2014 – Genesis Heart Institute named a winner of the Women's Choice Award as one of America's Best Hospitals in Heart Care.
2014 – Most Wired Hospital and Health System for 11th consecutive year

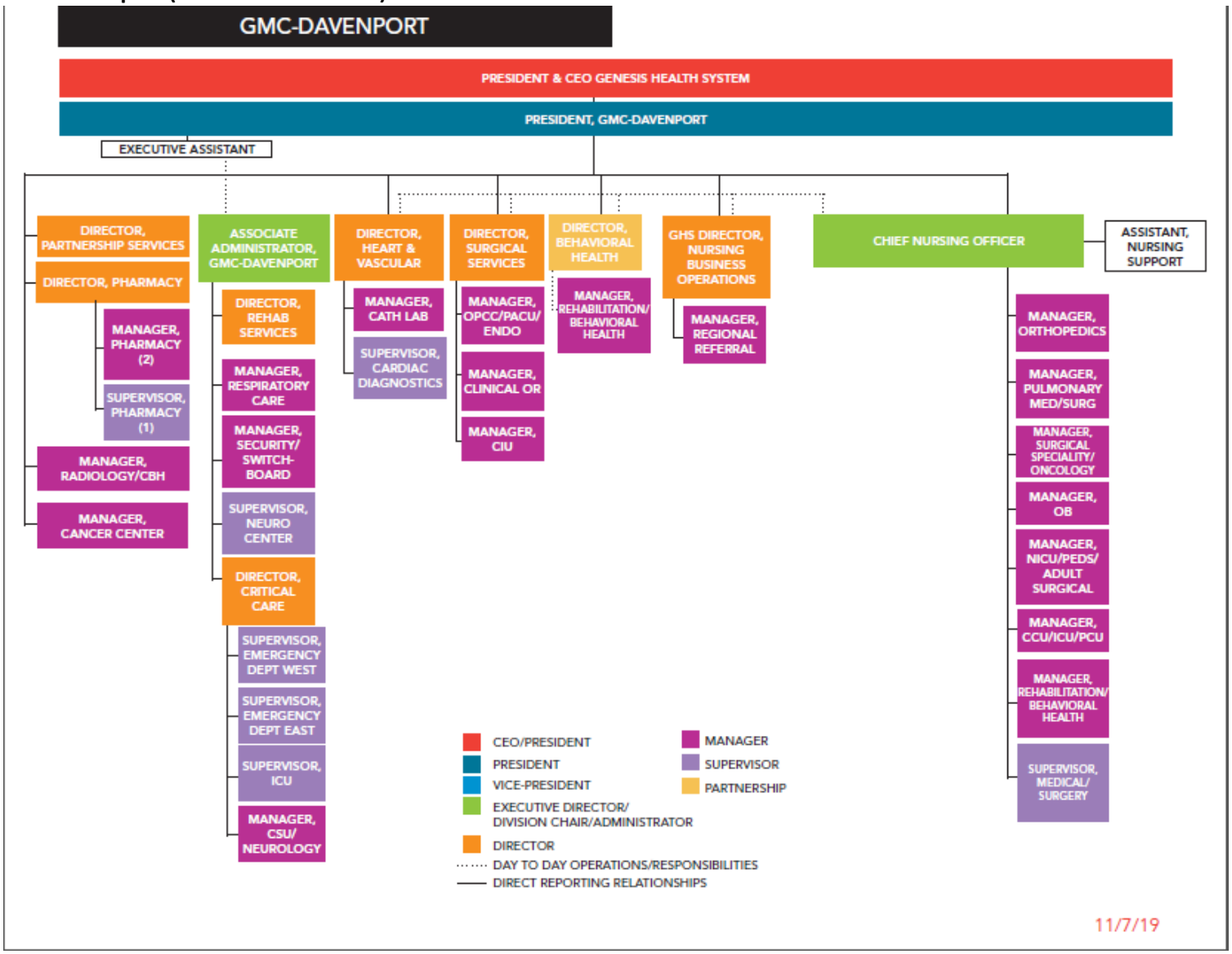
2013

2013 -- GMC, DeWitt named a 2013 Guardian of Excellence Award winner for patient satisfaction by Press Ganey Associates, Inc.
2013 -- GMC, Davenport and GMC, Silvis recognized as "Top Performers" for adherence to evidence-based clinical processes by The Joint Commission. GMC-Davenport recognized for excellence in heart failure, pneumonia and surgical care in 2012. GMC, Silvis recognized for excellence in performance in heart failure, pneumonia and surgical care in 2012.
2013 -- HealthStrong™ Top 100 Hospitals, Genesis Medical Center, Davenport
2013 – U.S. News and World Report ranking of Genesis Medical Center, Davenport as No. 2-ranked hospital in Iowa and as having six "high-performing" specialties in gastroenterology and GI surgery, geriatrics, nephrology, neurology and neurosurgery, orthopedics and pulmonology.
2013 --"A" grades for patient safety from Hospital Safety Score to GMC, Davenport and GMC, Silvis
2013 – Carechex Top 100 Hospital, Cardiac Care, GMC-Davenport
2013 – Carechex Patient Safety Top 10% in Nation, Women's Health & Major Ortho Surgery, GMC-Davenport
2013 – Carechex Patient Safety, #1 in Iowa, Cardiac Care, GMC-Davenport
2013 – Carechex Top 10% in Nation, Overall Medical Care, GMC-Davenport
2013 --Carechex Top 10% in the Nation for heart attack treatment, GMC-Silvis

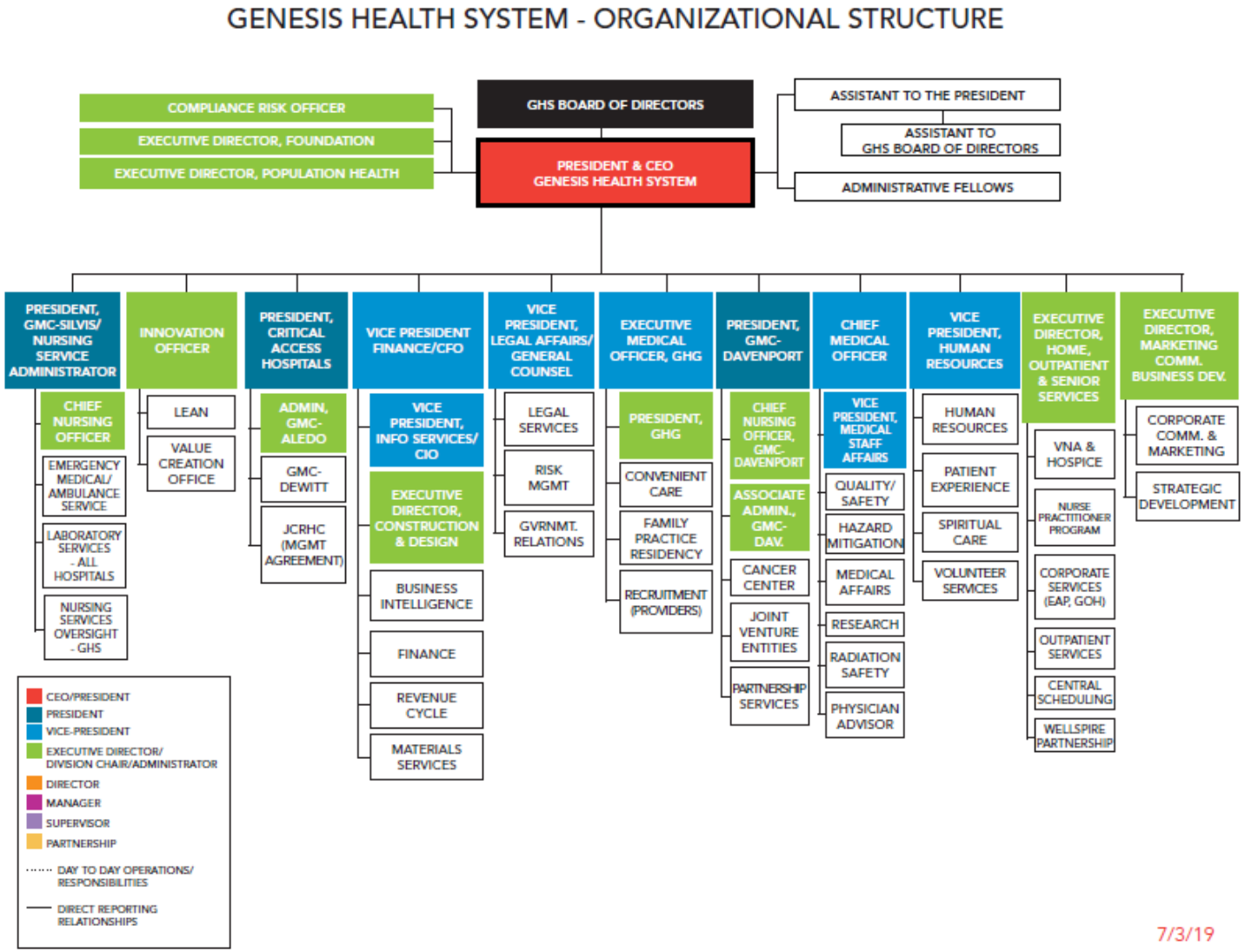
2013 -- GMC-Davenport's readmission rates following percutaneous coronary intervention were among the nation's best for heart programs reporting to the American College of Cardiology's National Cardiovascular Data Registry. Genesis was among 13 of 300 hospitals reporting that performed better than the national average.
2013 -- Genesis Health System listed in the top quintile of small health systems by Truven Health Analytics.
2013 -- Genesis Health System recognized by Becker's Hospital Review on a list of “100 Integrated Health Systems to Know.’’
2013 --UnitedHealthcare Premium Cardiac Services Specialty Center for GMC-Davenport.
2013 and 2014 -- Blue Distinction Center+ for Cardiac Care for GMC-Davenport from BlueCross Blue Shield Association.
2013 -- Cintas Environmental Award to Genesis Health System
2013 -- 2012 Stryker Healthy Hospital Award to Genesis Health System for dedication to reducing waste and investing in environmentally sound healthcare practices.
2013 -- Genesis Medical Center-DeWitt has been awarded Pathway to Excellence® designation by the American Nurses Credentialing Center (ANCC), a designation which recognizes health care organizations for positive practice environments where nurses excel.
2013 -- Westwing Place, DeWitt and Illini Restorative Care, Silvis, awarded "Best Nursing Home" designation by U.S. News & World Report. Achieved highest overall rating.
2012
2012 -- GMC-Davenport and GMC-Illini [currently named GMC-Silvis] receive “A” grades from Hospital Safety Score by The Leapfrog Group.
2012, 2011, 2010 and 2006 -- Summit Award, Press Ganey, GMC DeWitt
2012, 2011 -- Summit Award to Genesis Cardiac Surgeons
2012 -- Genesis VNA & Hospice, Top 25 percent national ranking of home health agencies by HomeCare Elite.
2012 -- GMC-DeWitt named a Top 59 Critical Access Hospital by National Rural Health Association
2012 - Joint Commission Seal of Approval™ in Total Hip and Total Knee Replacement Surgery to GMC, Davenport.
2012 -- Gold Award for employee wellness from Wellness Council of America
2012 - Highest ranking (3 stars) in heart surgery for year 2011 from the Society of Thoracic Surgeons, GMC-Davenport.
2012- GMC, Illini awarded "A" Hospital Safety Score ™ by The Leapfrog Group
2012 U.S. News Best Hospitals - 2 High-Performing Specialties at GMC-Davenport (orthopedics and nephrology) and one at GMC-Illini. (orthopedics)
2012 Top 100 Integrated Health Network
2012 IA. Gov. Terry Branstad recognizes Genesis for Flu-Free Quad Cities initiative
2011
2011-12 -- GMC, Davenport named a "Best Regional Hospital" by U.S. News & World Report
2011 Top performing hospital for key quality measures by The Joint Commission, Genesis Illini Campus (for excellence in heart failure, pneumonia and surgical care in 2010)
2011 Top 50 Cardiovascular Hospital, Thomson Reuters
2011 and 2010 J.D. Power & Associates "Distinguished Hospital Award," GMC-Davenport
2011 U.S. News Best Hospitals - 5 High-Performing Specialties to GMC-Davenport (gastroenterology, gynecology, geriatrics, nephrology and orthopedics)
2002-11 National Research Corp. "Consumer Choice" Award
2010 Lincoln Bronze Award, Illini Campus
2004-2012 "Most Wired" Hospitals and Health Systems (9 consecutive years)

2011 Supply Chain Innovation Award, Premier
2010-14 ANCC "Magnet" Re-designation, GMC-Davenport
2011, 2010 and 2009 "Gold" recognition in Flu Vaccination Challenge for employee seasonal flu vaccinations by Joint Commission Resources.
2010 and 2009 Iowa Recognition for Performance Excellence (Silver)
2010 Westwing Place, America's Best Nursing Homes, U.S. News and World Report
2010 National Accreditation Program for Breast Centers, CBH, Davenport (1st in IA)
2008 (initial) 2010 (re-accreditation) Joint Commission Certified Primary Stroke Center
2009-2010 Gold Recognition, Flu Vaccination Challenge, Joint Commission Resources
2010 and 2008 Bariatric Surgery Center of Excellence
2008-2009 Society of Thoracic Surgeons (3 stars, top rating)
2005-9 ANCC "Magnet" Accreditation
2007-10 and 2010-2013 CARF accreditation
ACS Commission on Cancer Accreditation with Commendation
2008, 2009, 2010 Top 100 Integrated Health Networks
2003-7 eHealthcare Leadership Award
2008 Diabetes Care Center of Excellence
2007-9 Premium Cardiac Care Designation
2008 Heart Program Center of Excellence
2007-2009 Top 500 Home Health Agency
2009 Top 50 Health System, Thomson Reuters
2009 Health Grades Outstanding Patient Experience Award
2009 AHA "Get with Guidelines" Stroke Care, Silver Award

Appendix B (Genesis Health System's Organizational Structure):
Only GMC-Davenport (Genesis East & West)



Genesis Health System (All Locations)



Appendix C (Genesis Health System's Supply Management Memo):

GENESIS

1/29/20

This letter serves to confirm that Genesis Health System operates supply chain distribution out of a centralized storeroom at the GMC Davenport East Campus location. This Materials Management storeroom/receiving location provides the receiving, supply pulling and distribution, as well as the courier transportation staging of supplies for Genesis Health System.

The consolidation of the Genesis storerooms to the East Campus location was completed in January of 2019.

During the past quarter (Sept-Dec 2019) issues from this storeroom were 2,244,315 items and receipts were 16,272 separate shipments.

Please feel free to contact me with questions.

Lisa Rogalski
Director Materials Services
Genesis Health System

1227 E. Rusholme St. | Davenport, IA 52803 | 563.421.1000 | www.genesishealth.com

Appendix D (Water Well Project Quote):

The below information is the quote that the Genesis Health System received for this project.

Memo

To: Brian Payne – Scott County Emergency Management

From: Kevin Rossmiller

Copy: Dave Kelly, Al Loeffelholz

Date: 2/3/20

Re: Water Well – East Campus – Davenport, IA

The following estimate is to design and install a water well at East Campus. This need was identified as a backup water source to the Iowa American Water source to supply water to the boilers, chillers, and irrigation systems. If Iowa American Water service was interrupted to the East Campus, the heating and air conditioning would continue to operate properly with this backup water service. The City of Davenport has confirmed that a non-potable water well may be utilized at our East Campus. We have included a 10,000 gallon storage tank that could be used to provide supplemental water to the community if the Department of Public Health deemed the water potable. Breakdown as follows:

Shive-Hattery Engineering – Design	$ 40,000
Well	375,000
Storage tank	50,000
Electrical	15,000
Distribution piping	50,000
Subtotal	530,000
Contingency – 5%	26,500
Total	$556,500

Non-potable water would be used for:

- Lawn irrigation – partial – close to buildings would stain buildings.
- Boiler water make-up
- Chiller water make-up

Appendix E (Healthcare Coalition Letter of Recommendation):

611 N. 2nd Street, Clinton, Iowa 52722 |
563-242-7165

Service Area 5A
Healthcare Coalition

February 4, 2020

To Whom It May Concern:
SUBJECT: Letter of Support for Hospital Water Well Project
On behalf of the Service Area 5A Healthcare Coalition, Iowa, we are writing this letter of recommendation. We are in full support of Scott County Emergency Management Agency's effort to safeguard the placement of a hospital water well at Genesis Medical Center- East, Davenport, Iowa.
Over the last several years, Scott County Emergency Management Agency, contiguous to Service Area 5A, has been a dedicated partner in supporting our healthcare initiatives. During this time, they have assisted with coordination of exercises, education, training, and partnership building throughout the 17 identified CMS facility types and 9-county jurisdiction of the healthcare coalition. This countywide collaborative effort in Scott County has not only strengthened our community's healthcare partnerships, but has already proven invaluable during local emergencies. As seen first-hand, Scott County Emergency Management and their undying support to our medical partners has also provided them the opportunity to see areas of concern for healthcare resiliency within their community.
Nationally, healthcare facilities are faced with many challenges during large disasters; and, because of the nature of their business, they are not able to simply "shut down" during emergency response and recovery. The approval of this project would increase the likelihood for Scott County to become more resilient by ensuring continuity of emergency medical services, surgeries, birthing, admissions, and healthcare response. This Water Well would further help to ensure continuous healthcare services by reducing the need from outside resources. Following a disaster, having continuity of healthcare services would provide comfort for the public knowing they could still receive full medical services within their community.
While we understand that Genesis Medical Center- East currently has plans and agreements in place to have potable water brought into their facility during an outage, this may not always be feasible in certain types of disasters as identified in recent events. When critical resources become sparse, this water well would help to ensure the seamless transition from city water to well water. Furthermore, it would allow regional assets to more efficiently direct potable water resources to other critical facilities reliant upon water that would be in need during a disaster.
In closing, this project would have a considerable impact on county, regional, and state preparedness, response, and recovery capabilities that are necessary to close current gaps in resource management. We are truly appreciative of your time and consideration and are welcome any questions that you may have.
Sincerely,

Patsy Willits

Patsy Willits
Executive Committee Chair
Service Area 5A Healthcare Coalition
patsy.willits@unitypoint.org

Appendix F (National Weather Service Flood Outlook Update for 2020):

National Weather Service
Quad Cities, IA/IL
Monday, January 6, 2020 3:39 PM

nws.quadcities@noaa.gov
weather.gov/dvn
facebook.com/NWSQuadCities
twitter.com/NWSQuadCities

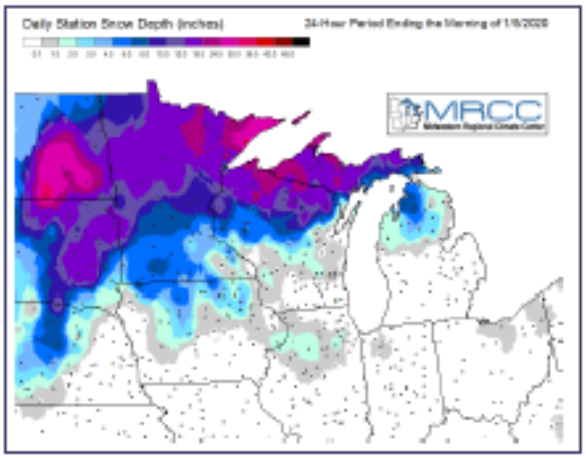
2020 Spring Flood Threat Remains a Concern

- Snowpack builds across Minnesota and Wisconsin in December
- Iowa/Southern Wisconsin/Illinois/Missouri snow free with thawed ground
- Conditions still indicate spring flooding will be more likely than in a typical year, particularly on the Mississippi River. Significant flooding potential is still unknown.
- **Additional contributing factors to flood potential will continue to be evaluated over the coming months.**

What's New?

The highest precipitation amounts fell across the northern parts of the region through December. Despite warm conditions, the snowpack over MN and WI was able to build up through early January. Snowpack is currently ranging from 1" to 6" of water equivalent, while a large part of the region has no snow on the ground. The warm conditions have also kept the ground from freezing and rivers thawed.

A potent storm system in late December brought 0.50" to 2.00" of precipitation to the region. Much of this fell as rain, keeping soils moist despite the remainder of the month being dry.



What does this mean?

- **Probabilities for Spring Flooding remain highest for the Mississippi River.**
- **The current lack of snow and frozen ground locally suggests a lesser threat for flooding on local rivers. However, wet ground in the local river basins keeps flood potential near to slightly above normal despite the lack of snow.**

January Temperature and Precipitation forecast:

Higher probability for heavy precipitation or extreme cold to the southeast and northwest of the local area respectively. This outcome would be favorable to keep the flood threat static.

Week 2: Temp/Precip Outlook / Risk of Hazardous Weather Weeks 3-4: Temp/Precip Outlook

National Weather Service
Quad Cities, IL/IA
Monday, January 6, 2020 3:39 PM

nws.quadcities@noaa.gov
weather.gov/dvn
facebook.com/NWSQuadCities
twitter.com/NWSQuadCities

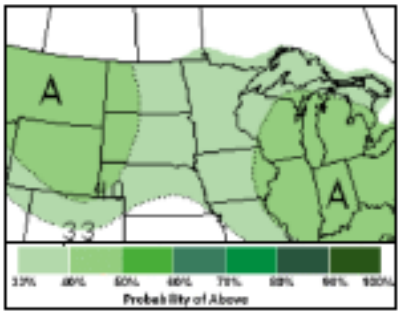
Jan/Feb/Mar 2020: *Precipitation Outlook*

Odds remain in favor for near or above normal precipitation through March.

Ground conditions remain wettest over the northern part of the region with nearly saturated soils and higher than normal river levels at mid-winter.

Normal amounts of precipitation through the remainder of the season will keep the risk for flooding this spring elevated.

Find the latest outlook at www.cpc.ncep.noaa.gov.



Spring Flood Threat Checklist (as of early Jan)

Threat	Impact to Potential Spring Flooding	Change Since Last Outlook	Link to Image
High river levels	Increased Threat	Unchanged	USGS WaterWatch
High soil moisture	Increased Threat	Unchanged	CPC Soil Moisture
Winter Precipitation	**Near to Above Normal – Mississippi** **Near Normal – IA/IL/MO local rivers**	Minimal. Highest threat: Mississippi River.	January Outlook 3 Month Outlook (Jan-Mar)
Snowpack/Liquid Equivalent	**Near normal as of early January**	Snowpack building over MN/WI.	Snow/Liquid Equivalent Analysis
Rate of Snowmelt	**Unknown**	Unchanged	24, 48, & 72 hr Snowmelt
Frost Depth	**Lowered Threat**	Improved	Frost Depth Map
Spring Precipitation	**Unknown**	Unchanged	

Next Update Planned for Early February

2020 Probabilistic Spring Flood Outlook Dates:
February 13, 2020
February 27, 2020
March 12, 2020

Potential Flooding Impacts For Winter/Spring

- **Rivers freezing at high levels**
- **Widespread ice jams**
- **Widespread flooding again for Spring 2020**
- **Agricultural impacts**

The National Weather Service urges those with interests in flooding to stay tuned to additional communications going through the winter and early spring seasons.