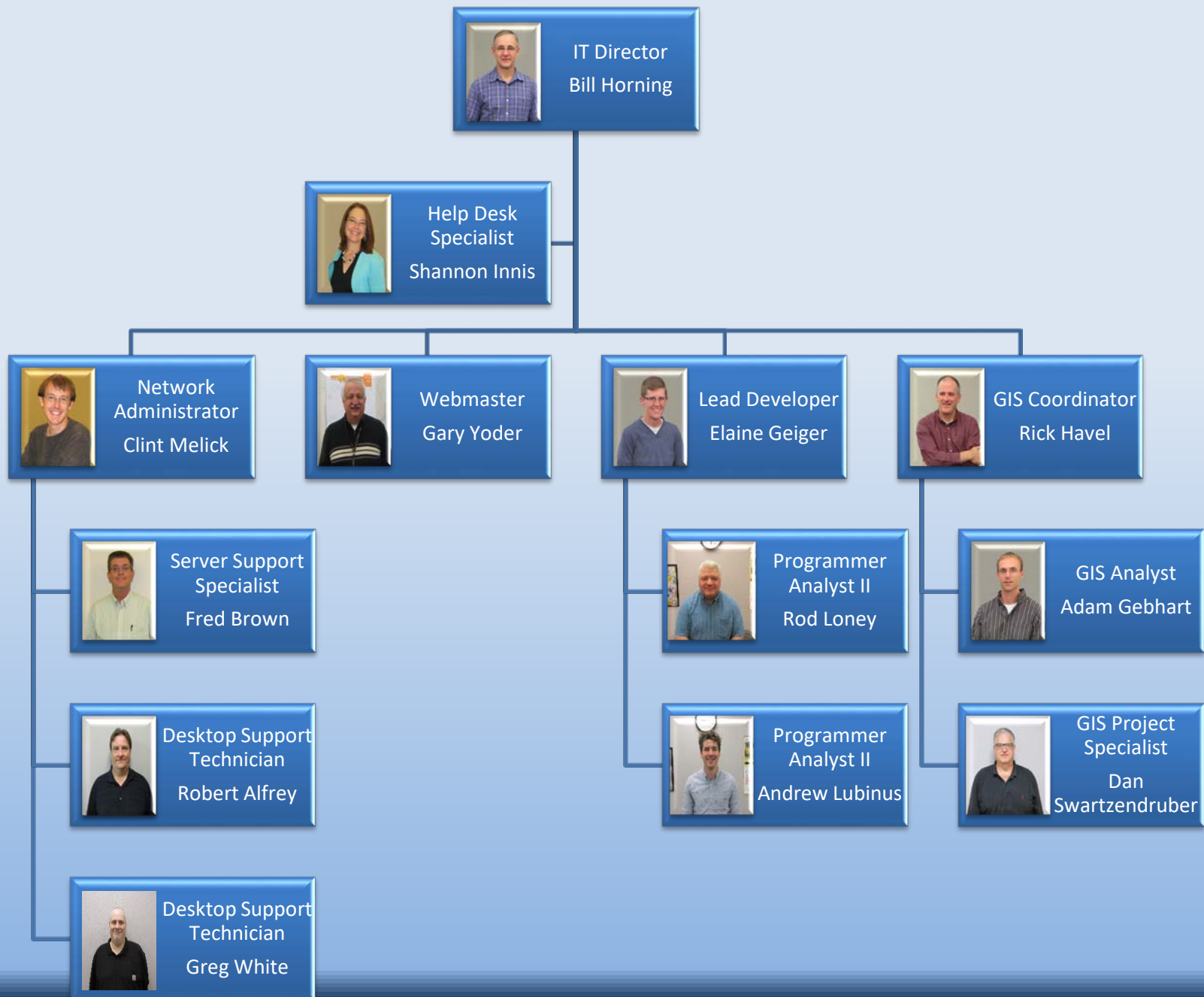


Information Technology 2020 Progress Report

October 15, 2020





IT Department Highlights

- Completed 1811 work orders.
- Developed and supporting telework for employees during pandemic.
- Changed the domain name of our County website.
- Built and deployed new performance measurement application for Public health to track how successful they are at meeting their goals.
- Deployed new email malware and spam filter.
- Providing planning and deployment of network and technology for new Access Center building coming online this winter.
- Created and moved most content to a new website. Plan go live 3rd week of November after Elections.

Department Accomplishments

GIS

Interactive site on COVID-19 for Johnson County residents

The screenshot shows a web browser window with the address bar displaying <https://coronavirus-johnsoncounty.hub.arcgis.com>. The page features a blue header with navigation links such as SonicWALL, Google, Workorder, County Stuff, Bill, HTML_CodeSniffer, Attendance, Welcome to Johnson..., Login - Duo, Switch Log, GisRepo Nextcloud, SW IT Help Desk, UniFi Network, pfSense - Proxy, and Mimecast Login. A search bar and a 'Sign In' button are also present. The main content area has a background image of blue virus particles and the title 'Johnson County, Iowa Coronavirus Information Hub'. Below the title are four buttons: 'Symptoms', 'Prevent Illness', 'If You Are Sick', and 'FAQ'. A text block explains that COVID-19 is a respiratory disease caused by the novel coronavirus, which is mild for most people but can cause severe illness and death for some, particularly older adults and those with chronic medical conditions. It notes that there is no vaccine or approved medications to treat COVID-19 at the time. Another text block states that Johnson County Public Health is working with local, county, state, and federal partners to keep the community informed about COVID-19, providing information, maps, and resources. The 'Latest Update' section, dated 10/2/2020 15:44, reports that Johnson County Public Health (JCPH) continues to work with the Iowa Department of Public Health (IDPH) and other local agencies to contain the spread of COVID-19. As of Friday, October 2, 2020, there are 5,232 confirmed positive cases in Johnson County. Four thousand, four hundred thirty-seven have recovered from COVID-19, are no longer considered infectious, and are now under the same recommendations as the general public. Currently, there are 91,023 confirmed positive cases in Iowa.

Johnson County Coronavirus Information Hub

[Symptoms](#) [Prevent Illness](#) [If You Are Sick](#) [FAQ](#)

COVID-19 is a respiratory disease caused by the novel coronavirus. It is mild for most people, but can cause severe illness and result in death for some. Older adults and people with chronic medical conditions, such as heart disease or diabetes, have the greatest risk of becoming severely ill. There is no vaccine and no medications approved to treat **COVID-19** at this time.

Johnson County Public Health is working with local, county, state, and federal partners to keep our community informed about **COVID-19**. This page provides information, maps, and resources about the coronavirus response in our community.

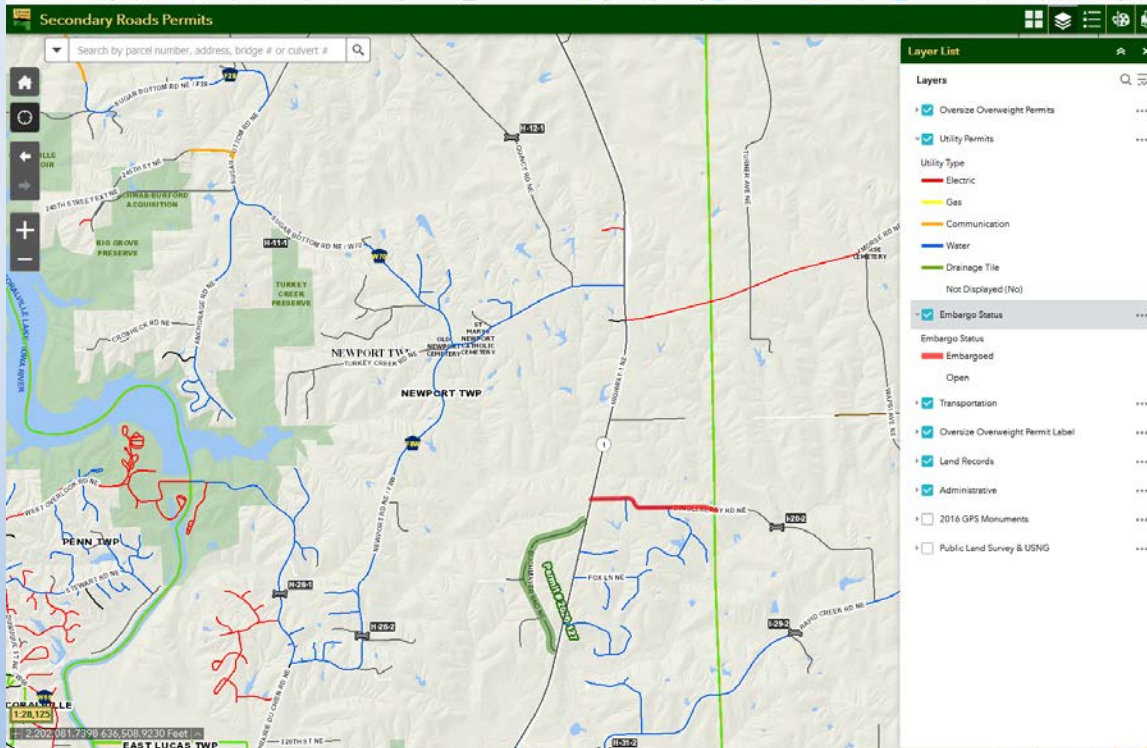
Latest Update

10/2/2020 15:44

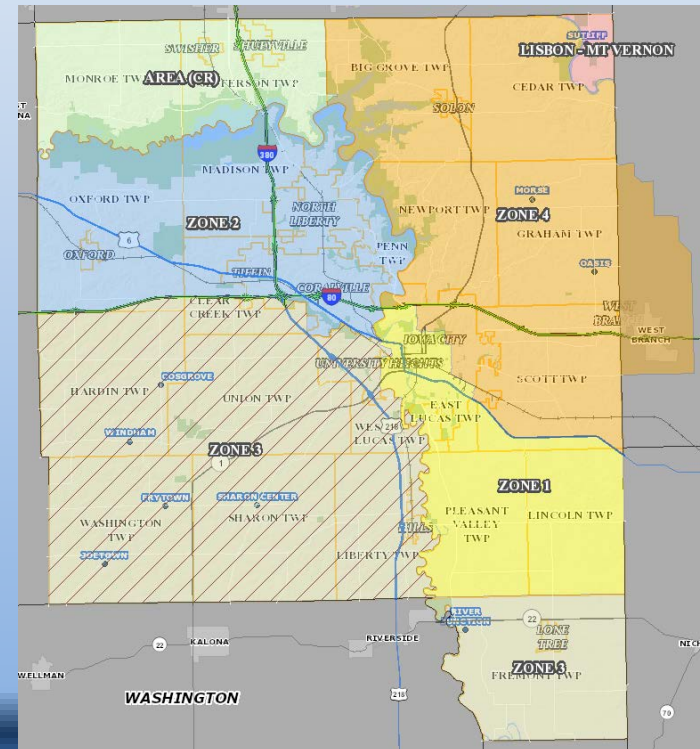
Johnson County Public Health (JCPH) continues to work with the Iowa Department of Public Health (IDPH) and a number of other local agencies to contain the spread of COVID-19 in our community. As of today, Friday, October 2, 2020, there are 5,232 confirmed positive cases in Johnson County. Four thousand, four hundred thirty-seven have recovered from COVID-19, are no longer considered infectious, and are now under the same recommendations as the general public. Currently, there are 91,023 confirmed positive cases in Iowa.

GIS

Map for Secondary Roads to show utility permits and Embargos Status



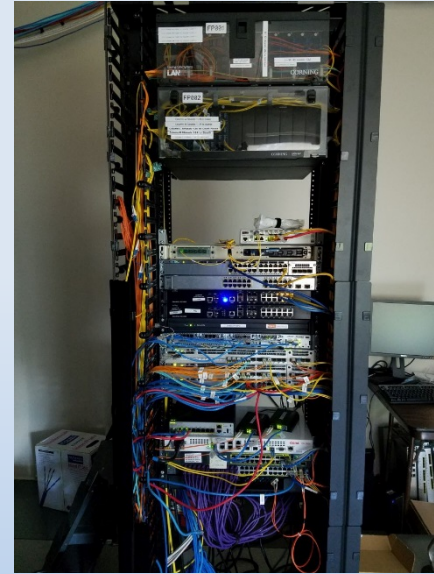
Map for Ambulance supervisors for staffing by Zone



GIS

- Created many maps for several departments.
- Deployed new 2019 aerials.
- Completed 2020 Census work and submitted.
- Created a web mapping application for Ambulance supervisors to help in providing service by Zone.
- Working on developing and testing the use of ArcGIS Pro, newest software for parcel maintenance.
- Working with Public Health created the Coronavirus Hub site.
- Developed ArcGIS tool for PDS to determine whether or not a new house can be built on a specific five-acre parcel. The tool extracts the corn suitability rating (CSR) value(s) within that five-acres and creates a table showing all CSR values and their percentage of the area.
- Testing a Survey123 form for Secondary Roads oversize and overweight permit applications. They currently use a fillable pdf. If using the Survey123 form the record will automatically be stored in a feature layer within our ArcGIS Online organization.

Network & PC Support



Network & PC Support

- All PC's on windows 10.
- Deployed new SAN. Main storage for all County data.
- Working to network in the Access Center (new building).
- Deployed new email service for spam/malware (Mimecast).
- Converted domain name to johnsoncountyiowa.gov and made primary email address the same domain.
- Supported several elections – currently work on General election
- Working with many departments to replace paper timesheet and time off requests to electronic process.
- Deploy solution to support approx. 100 users working remotely.
- Deployed new helpdesk solution.
- Filled the open PC desktop support position.
- Support physical plant with Security Camera's and door systems, added several cameras, as well as software upgrades and server replacements.

Programming

- Deployed new software to build and deploy the software we create.

The screenshot displays the Azure DevOps web interface. The top navigation bar includes 'File', 'Edit', 'View', 'History', 'Bookmarks', 'Tools', and 'Help'. The browser address bar shows the URL: https://windu/JCIT/Programming/_releaseProgress?_a=release-pipeline-progress&releaseId=18. The left sidebar contains a navigation menu with items: Programming, Overview, Boards, Repos, Pipelines, Builds, Releases, Library, Task groups, Deployment groups, Test Plans, and Artifacts. The main content area shows the 'RealEstate Build and Deployment' release page for 'Release-17'. The 'Pipeline' tab is active, displaying a 'Continuous deployment' for 'Andrew Lubinus' on '9/18/2019, 8:20 AM'. Below this, an artifact is listed: '_Programming-Re...' with version '20190918.2' and branch 'master'. The 'Stages' section shows two stages: 'RealEstateToTest' and 'RealEstateToProd', both marked as 'Succeeded'. The 'RealEstateToTest' stage was completed on '9/18/2019, 8:38 AM', and the 'RealEstateToProd' stage was completed on '9/18/2019, 1:13 PM'.

File Edit View History Bookmarks Tools Help

RealEstate Build and Deployment X +

https://windu/JCIT/Programming/_releaseProgress?_a=release-pipeline-progress&releaseId=18

SonicWALL Google Workorder County Stuff Bill HTML_CodeSniffer Board of Supervisors ... Attendance

Azure DevOps

Programming Overview Boards Repos Pipelines Builds Releases Library Task groups Deployment groups Test Plans Artifacts Project settings

RealEstate Build and Deployment > Release-17

Pipeline Variables History + Deploy Cancel Refresh Edit ...

Release

Continuous deployment
for Andrew Lubinus
9/18/2019, 8:20 AM

Artifacts

_Programming-Re...
20190918.2
master

Stages

RealEstateToTest
Succeeded
on 9/18/2019, 8:38 AM

RealEstateToProd
Succeeded
on 9/18/2019, 1:13 PM

Programming

- The new public health measure management application.

Measures & Metrics

Measures

Metrics

MTC000012 <

Justifications

Users

Table Maintenance

Security

Metric - Details

Measure Code

[MSR000006](#)

Measure Description

Tests per week

Code

MTC000012

Description

Test Metric

Requested By

Rod Loney (rloney)

Review State

Pending

Requested Date

04/15/2020

Is KPI: No

Activity Start Date

04/07/2020

Activity End Date

04/23/2020

Analysis Frequency

Daily on request

RAG Interval

Month

Red

300

Amber

400

Green

300

Active: Yes

Edit

Back

Status last updated by alubinus on 4/13/2020 9:36:23 AM
Record last updated by alubinus on 10/6/2020 8:56:51 AM

Programming

- Attorney – Prolaw contact reorganization project ongoing.
- Health – Delivered Measure Management application. (performance management)
- Social Services – Enhanced General Assistance application to include Aging Services and Navigator clients and encounters. Added the ability to “attach” documents to case files by leveraging storage/retrieval to/from FileNexus.
- Social Services – implemented CCR; first department to include grant numbers in revenue entry.
- County - Several Innoprise application upgrades and GEMS migration to a new server.
- County – Work done on GL Transaction report to track COVID-19 revenues and expenses.
- SEATS – Assisted with configuration overhaul of vehicles and users; created new billing report.
- IT – Brought intranet apps to current asp.net mvc version; created stable test environment; created test-production deployment pipelines.

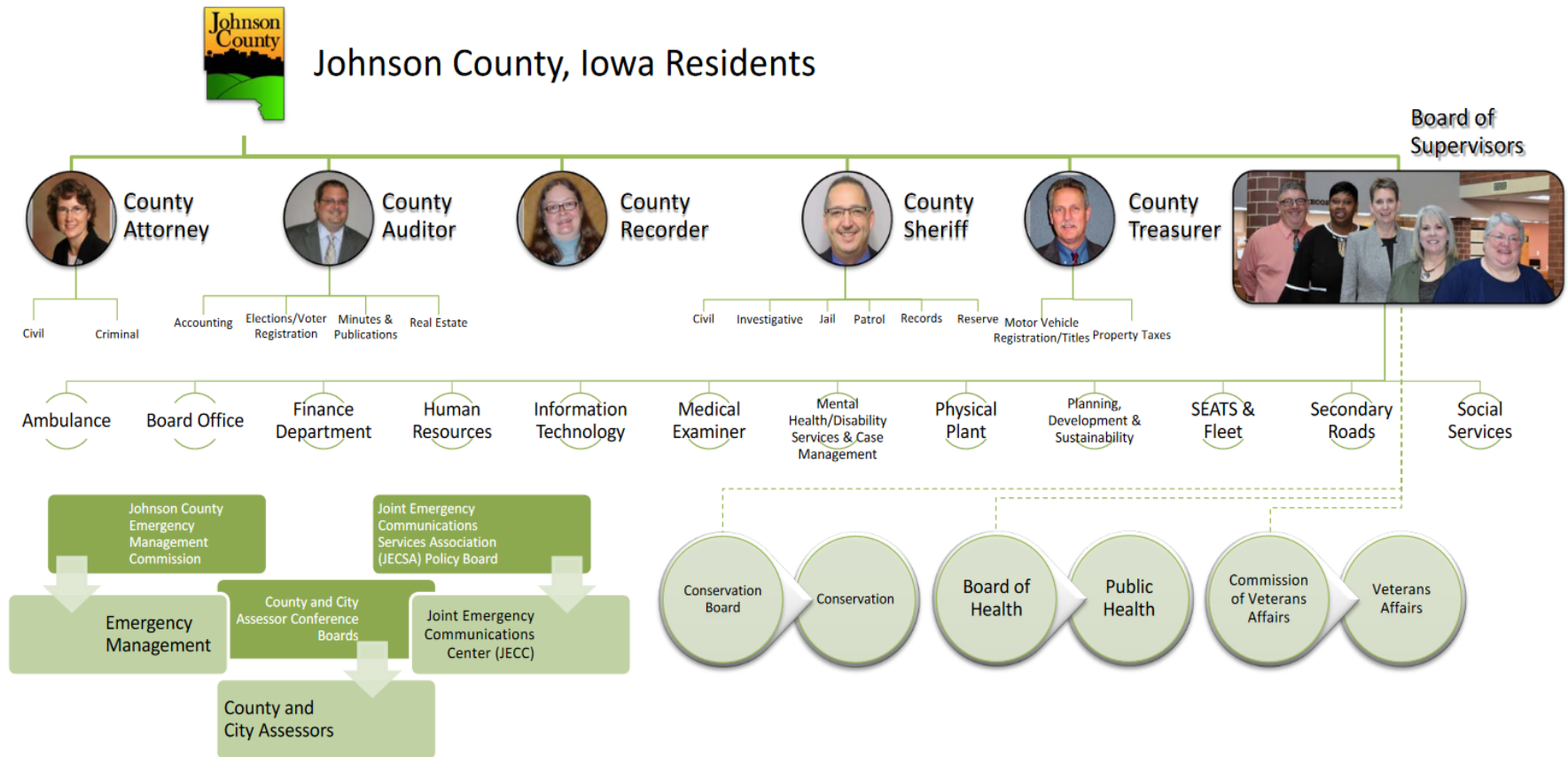
Web

- New County website.



Web

- New county organizational chart.



Johnson County, Iowa Organizational Chart

Web

- New department page.



Quick Links

[Watch Board of Supervisors Meetings](#)[Meet the Board](#)[Budget](#)[Fireworks Permits](#)[Annual Progress Reports](#)[Plans and Policies](#)

The Board of Supervisors meets in the Boardroom on the second floor of the County Administration Building, 913 South Dubuque Street, Iowa City, unless otherwise noted. **Meeting agendas, packets, minutes, audio, and video are available here.** All Board of Supervisors meetings are open to the public, with the exception of closed sessions to cover situations allowable by Iowa Code (e.g., discussions on litigation or employee performance); any possible closed sessions will be clearly noted on the agenda.

The Board holds a formal and an informal meeting each Thursday at 9:00 AM, unless moved to a different day of the week to accommodate conferences or holidays. The exception is the second Thursday of each month, when the meeting starts at 5:30 PM to make the public hearings for zoning and platting applications more convenient for the public to attend. Please reference the online calendar at www.johnsoncountyiowa.iqm2.com for the meeting schedule; however, the schedule is subject to change until an agenda has been published. Agendas are physically posted outside the Boardroom a minimum of 24 hours in advance of a meeting, according to the Iowa Code, and posted online shortly

Contact Information

Lisa Green-Douglass, Pat Heiden, Royceann Porter,
Janelle Rettig, Rod Sullivan



Phone Numbers

Phone: (319) 356-6000

Fax: (319) 356-6036



Hours

8:00 a.m. – 4:30 p.m., Monday through Friday



Address

Web and Phone System

- Built and populated new website using Drupal.
- Many updates to site for COVID-19.
- Rebuilt Auditor Website for new site.
- Converted Livable Community site to new website.
- Rebuilt Conservation website for new site.
- Expanded Sheriff recruitment pages.
- Employee PC purchase served 21 people.
- Provide phone programming and hunt groups for the new contact tracing program in Public Health.
- Working with Access Center staff to provide phones, menu's and hunt groups.

Sustainability in Information Technology

- Replace computer monitors only when they go bad.
- Have a 5 year replacement plan instead of the industry standard 3 year.
- Recycle used equipment when it can't be sold or donated.
- Use energy efficiently, turn off equipment not being used.

Information Technology being Green

- Working with Sustainability coordinator to see if we can do better based on what other industries are doing.
- Purchase energy star compliant equipment.
- Purchase larger port count switches to save on number of units.
- We use virtualization to use less servers that use electricity.
- Create reports to prevent printing.
- We have replaced smaller desk jet printers with networked printers/copiers that are shared and set to duplex printing.



Questions and/or Comments?