

# Presentation # 12812 Public Works Deploys an Operations Stay Safe Dashboard During COVID-19 Pandemic



Presented By:  
St. Johns County, Florida

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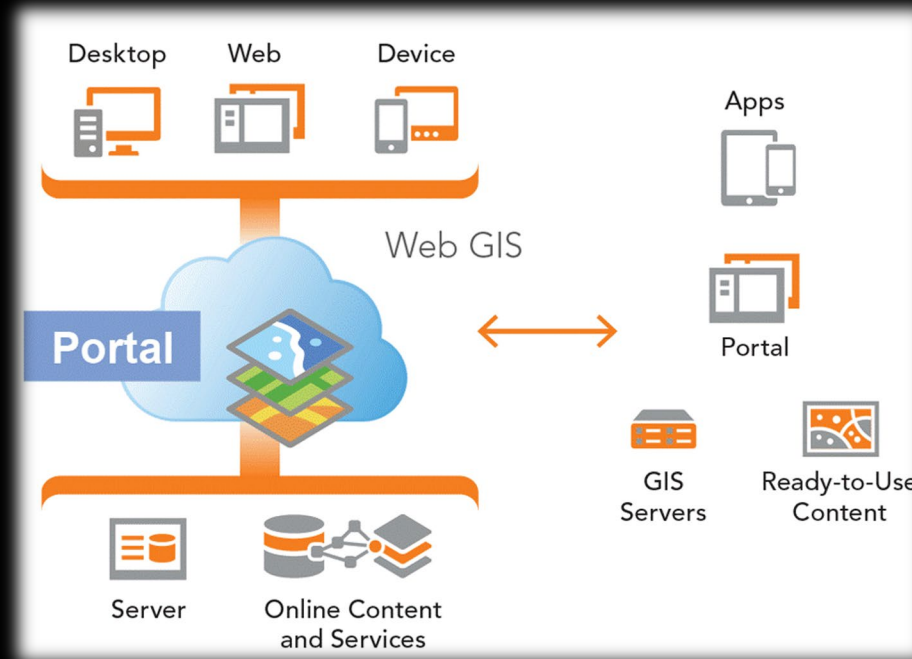
# About St. Johns County, Florida

- Home to St. Augustine (Nation's Oldest European City), TPC Sawgrass, World Golf Village and Hall of Fame, & ATP Tour Headquarters
- Population: Census 2000 is 123,135, for 2010 is 190,039
- Development Boom in the northern portion of the County basically makes the portion like a bedroom community for Jacksonville
- Tourist driven economy with beaches and historic heritage
- Area: 673 square miles, approx 42 miles of beaches



# Public Works Department Overview

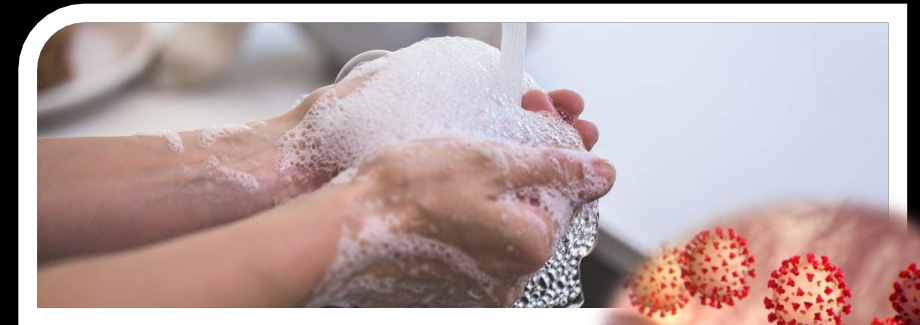
- Supported Divisions:
  - Engineering & Traffic | Fleet Services | Road & Bridge | Solid Waste
- Over 150+ Cityworks & ArcGIS Users
- ArcGIS Enterprise Platform



# Staffing Availability During a Pandemic

## Challenges:

- State of the department related status for employees
- Tracking of essential working in office, field, or remote work
- Privacy of data and what's sharable information
- Quick access to the metrics and status
- County wide deployment



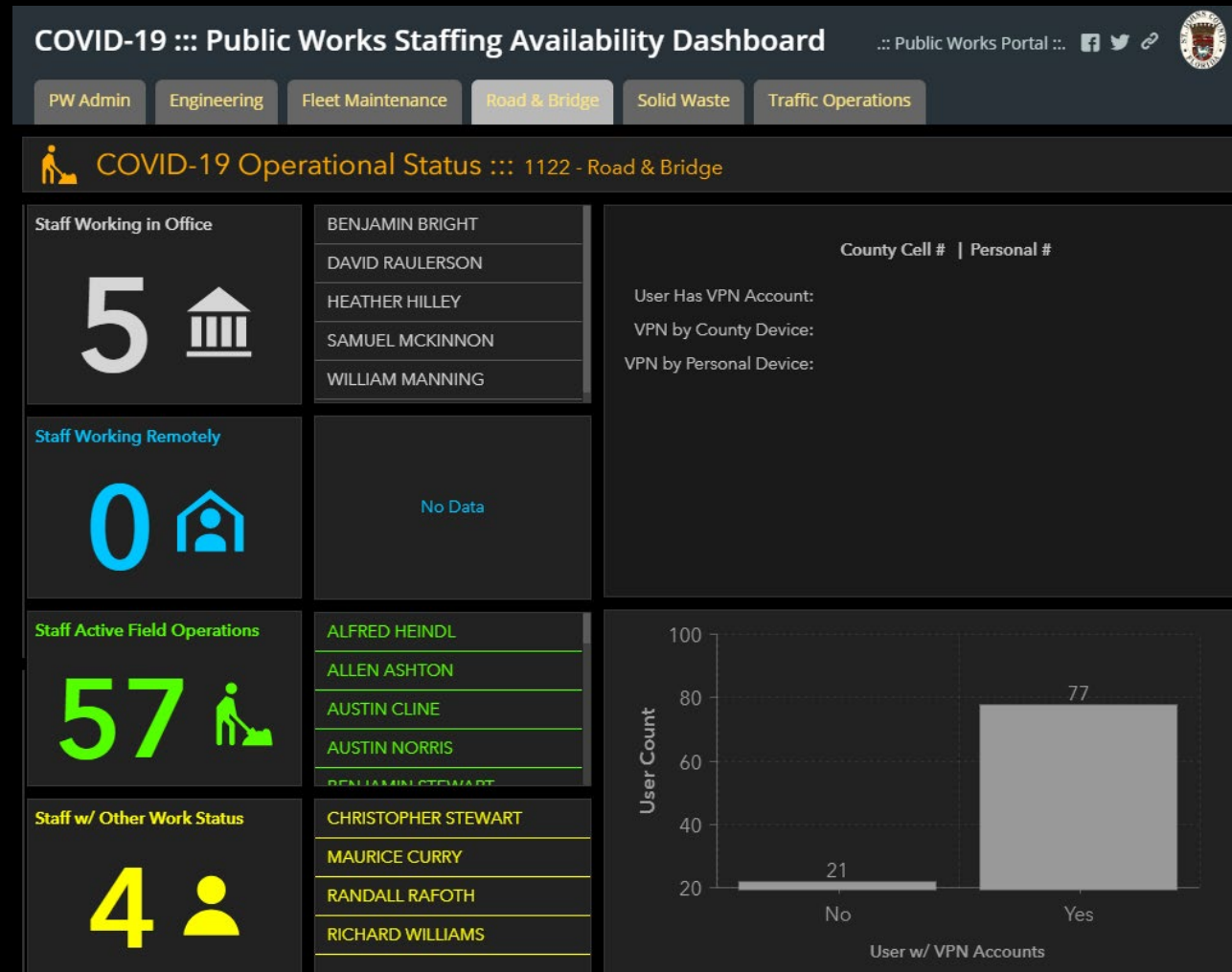
## Possible Solutions:

- Implement an ArcGIS Portal Operations Dashboard
- Acquire employee data list
- Leverage Survey123 for employee tracking
- Enable GeoEvent Services to update employee status



# Department Staffing Availability Dashboard

- Leverage current ArcGIS Enterprise
  - ArcGIS Portal
  - ArcGIS Pro
- Staffing List
  - Laptop / Mobile Devices Availability
  - Remote Access
  - Internet Access
  - Point of Contact





# Agency Wide Dashboard Deployment

### COVID-19 :: Public Works Staffing Availability Dashboard

Public Works Portal

PW Admin | Engineering | Fleet Maintenance | **Road & Bridge** | Solid Waste | Traffic Operations

#### COVID-19 Operational Status :: 1122 - Road & Bridge

|  |  |
|--|--|
| <b>Staff Working in Office</b><br>5        | BENJAMIN BRIGHT<br>DAVID RAULERSON<br>HEATHER HILLEY<br>SAMUEL MCKINNON<br>WILLIAM MANNING |
| <b>Staff Working Remotely</b><br>0         | No Data  |
| <b>Staff Active Field Operations</b><br>57 | ALFRED HEINDL<br>ALLEN ASHTON<br>AUSTIN CLINE<br>AUSTIN NORRIS<br>BENJAMIN STEWART         |
| <b>Staff w/ Other Work Status</b><br>4     | CHRISTOPHER STEWART<br>MAURICE CURRY<br>RANDALL RAFOTH<br>RICHARD WILLIAMS                 |

County Cell # | Personal #

User Has VPN Account: [ ]  
 VPN by County Device: [ ]  
 VPN by Personal Device: [ ]

User Count

|    |     |
|----|-----|
| No | Yes |
| 21 | 77  |

User w/ VPN Accounts



### St. Johns County - BOCC Operation Stay Safe (BOSS) Dashboard

COVID-19 :: Workforce Availability Operations Dashboard

#### Logarithmic Chart

Staff Count: 337, 585, 214, 81, 93

OffsiteWork, OnsiteWork, RemoteWork, Other

#### Workforce Availability by Department

Staff Count by Department:

- AG CENTER ADMINISTRATION: 22
- BCC: 16
- EMERGENCY MANAGEMENT: 13
- FACILITIES MAINTENANCE: 43
- FIRE SERVICES: 57
- GROWTH MANAGEMENT: 35
- HEALTH & HUMAN SERVICES: 9
- HUMAN RESOURCES: 4
- LAND MANAGEMENT: 2
- LEGAL: 11
- LIBRARY: 47
- MIS: 1
- PUBLIC WORKS: 16
- PURCHASING: 45
- RECREATION: 2
- TDC: 55

Legend: OfficeWork, RemoteWork, OnsiteWork, Other, OffsiteWork, null

\* Availability status is updated hourly

Last update: a minute ago

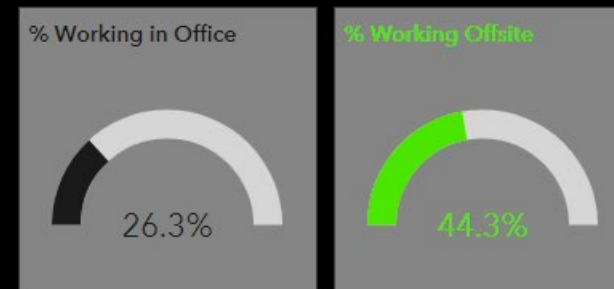
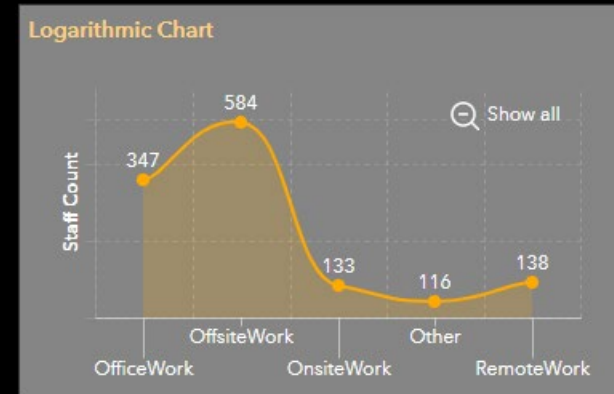
Department Status | Employee Status Update Form | Updates, Advisories, & Announcements

|                                       |                                     |                                    |                                     |
|---------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| <b>Staff Working in Office</b><br>337 | <b>Staff Working Remotely</b><br>93 | <b>Staff Working Onsite</b><br>214 | <b>Staff Working Offsite</b><br>585 |
|---------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|

\* Remote work operations by telecommuting.  
 \* Onsite operations within a facility NOT in an office.  
 \* Offsite work related to fieldwork.

# BOCC Operation Stay Safe (BOSS) Dashboard

- Agency Wide Workforce Availability
  - 1300+ County Staff
  - 41 Department / Divisions
- Quick Access
  - Status of Employees
  - Workforce Capacity
- Updated Daily





# BOCC Operation Stay Safe (BOSS) Dashboard

- Simple survey design (easy to use)
- Supervisor selects employee name and current work status
- Survey automatically pulls employee's ID number and department
- Simplified department listings

| E          | F                             | G                         | H                    | I          |
|------------|-------------------------------|---------------------------|----------------------|------------|
| Department | Department Title              | Current Job Class Title   | OrgCategory          | WorkStatus |
| 4411       | UTILITY WATER TREATMENT       | WATER DIVISION MANAGER    | Operational Services | OfficeWork |
| 4409       | UTILITY OFFICE ADMINISTRATION | UTILITIES DIRECTOR        | Operational Services | OfficeWork |
| 4415       | SWR TREATMENT & DISPOSAL      | WWT PLANT OPERATOR C      | Operational Services | OfficeWork |
| 4411       | UTILITY WATER TREATMENT       | WTP OPERATIONS SUPERVISOR | Operational Services | OfficeWork |
| 0002       | BOARD OF COUNTY COMMISSIONERS | ADMIN COORDINATOR         | Administration       | OfficeWork |
| 4415       | SWR TREATMENT & DISPOSAL      | WWT PLANT OPERATOR C      | Operational Services | OfficeWork |
| 1224       | ADMIN/STATION #20             |                           |                      |            |
| 1224       | ADMIN/STATION #20             |                           |                      |            |
| 1128       | ENGINEERING                   |                           |                      |            |
| 0031       | FACILITIES MAINTENANCE        |                           |                      |            |
| 1122       | ROAD & BRIDGES                |                           |                      |            |
| 0079       | RECREATION PROGRAMS           |                           |                      |            |
| 1122       | ROAD & BRIDGES                |                           |                      |            |
| 1122       | ROAD & BRIDGES                |                           |                      |            |
| 0046       | EMERGENCY MANAGEMENT          |                           |                      |            |
| 0012       | MGMT INFORMATION SERVICES     |                           |                      |            |
| 0031       | FACILITIES MAINTENANCE        |                           |                      |            |
| 1122       | ROAD & BRIDGES                |                           |                      |            |
| 0031       | FACILITIES MAINTENANCE        |                           |                      |            |

| label               | readonly | relevant | calculation  | choice_filter | repeat_count |
|---------------------|----------|----------|--|---------------|--------------|
| Employee Name       |          |          |  |               |              |
| Employee ID         | yes      |          | pulldata('ActiveBCCEmployees', 'EmpNum', 'FullName', \${employee_name})    |               |              |
| Department          | yes      |          | pulldata('ActiveBCCEmployees', 'DeptName', 'FullName', \${employee_name})  |               |              |
| Department Group    | yes      |          | pulldata('ActiveBCCEmployees', 'DeptGroup', 'FullName', \${employee_name}) |               |              |
| Current Work Status |          |          |  |               |              |

**BOCC Employee Status Update Form**

**Employee Name\***  
Enter first or last name and pick from list.

**Department**  
RECREATION FACILITIES

**Current Work Status\***

OfficeWork
  RemoteWork
  OffsiteWork

OnsiteWork
  Other



# BOCC Operation Stay Safe (BOSS) Dashboard

- GeoEvent service polls survey data every hour
- Uses employee ID # to match survey records with employee data stored in Portal feature service
- Updates employee's current work status in Portal feature service

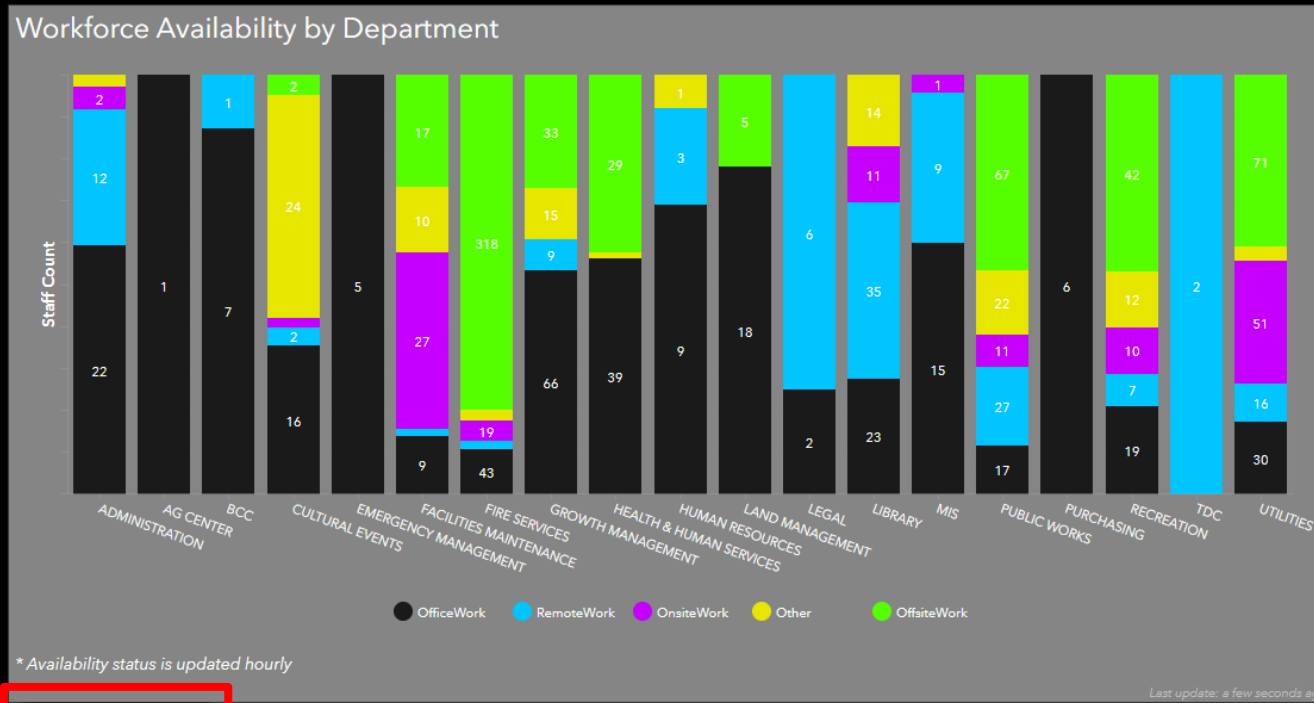


**EmployeeStatustoActiveBOCCEmployees-fieldmapper {Field Mapper} properties**

|                            | Source   | Target            |
|----------------------------|--|-------------------|
| Fields                     | employee_id  | Employee_Num_Text |
|                            | current_work_status                                | WorkStatus        |
| Source GeoEvent Definition | EmployeeStatusTracker-Generated-GeoEventDefinition |                   |
| Target GeoEvent Definition | ActiveBOCCEmployees                                |                   |



# BOCC Operation Stay Safe (BOSS) Dashboard



[Department Status](#) | 
 [Employee Status Update Form](#) | 
 [Updates, Advisories, & Announcements](#)

### Data options

Layer: BOCC Employees [Change](#)

Filter: Dept Group  [is not null](#)

Categories from: **Grouped values** | Features | Fields

Category field: Dept Group

Parse dates:

### Series options

Split by field:

Statistic:  Hover text

Field:  Labels

Formatting: [Edit](#)

| Series           | Color  | Label       | Remove                 |
|------------------|--------|-------------|------------------------|
| OfficeWork       | Black  | OfficeWork  | <a href="#">Remove</a> |
| OffsiteWork      | Green  | OffsiteWork | <a href="#">Remove</a> |
| OnsiteWork       | Purple | OnsiteWork  | <a href="#">Remove</a> |
| RemoteWork       | Blue   | RemoteWork  | <a href="#">Remove</a> |
| All other series | Yellow |             |                        |

| Dept #: | Dept Title:                   | Title:                 |
|---------|-------------------------------|------------------------|
| 0002    | BOARD OF COUNTY COMMISSIONERS | COUNTY COMMISSIONER    |
| 0002    | BOARD OF COUNTY COMMISSIONERS | COUNTY COMMISSIONER    |
| 0002    | BOARD OF COUNTY COMMISSIONERS | COUNTY COMMISSIONER    |
| 0002    | BOARD OF COUNTY COMMISSIONERS | ADMIN COORDINATOR      |
| 0002    | BOARD OF COUNTY COMMISSIONERS | ASSISTANT TO BCC       |
| 0002    | BOARD OF COUNTY COMMISSIONERS | COUNTY COMMISSIONER    |
| 0002    | BOARD OF COUNTY COMMISSIONERS | COUNTY COMMISSIONER    |
| 0002    | BOARD OF COUNTY COMMISSIONERS | COUNTY COMMISSIONER    |
| 0004    | COUNTY ADMINISTRATION         | ASSISTANT COUNTY ADMIN |

**Workforce Availability by Department**

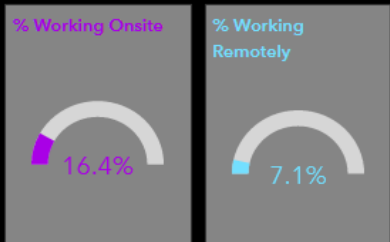
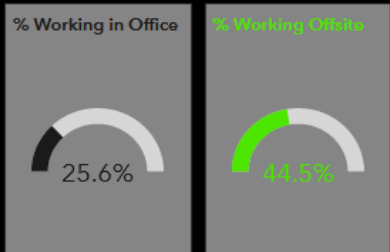
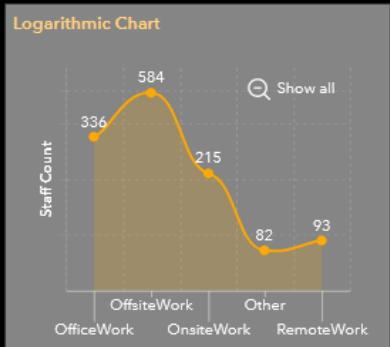
\* Availability status is updated hourly

# BOCC Operation Stay Safe (BOSS) Dashboard





# BOCC Operation Stay Safe (BOSS) Dashboard



### BOCC Employee Status Update Form

**Employee Name\***  
Enter first or last name and pick from list.

**Department**

**Department Group**

**Current Work Status\***

OfficeWork     OffsiteWork     OnsiteWork

Other     RemoteWork

... Department Status ... **... Employee Status Update Form ...** Updates, Advisories, & Announcements

**Data**

**General**

**Data options**

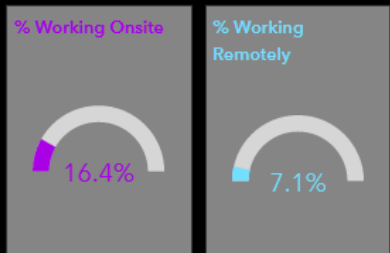
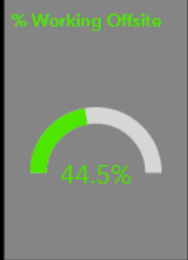
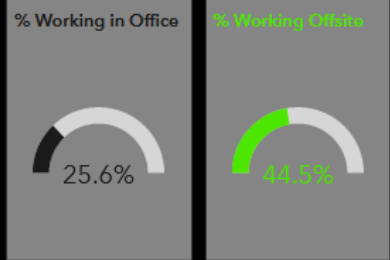
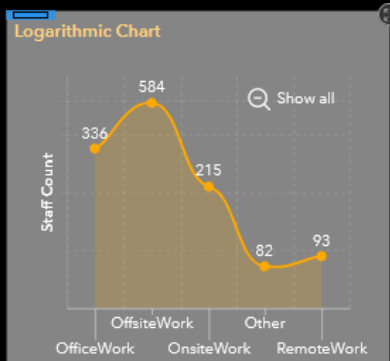
Type:

Content Type:

URL:



# BOCC Operation Stay Safe (BOSS) Dashboard



St. Johns County: COVID-19

## Updates, Advisories, & Announcements

For the status of Coronavirus 2019 (COVID-19) in Florida and St. Johns County, please visit the Florida Dept. of Health Online Dashboard.

### COVID-19 Vaccine Providers in St. Johns County – List and Location Map

The COVID-19 vaccine is offered at a variety of retail pharmacy and private medical practice locations throughout St. Johns County. All Florida residents are eligible to receive the COVID-19 vaccine. You must be 16 years of age and older to receive the Pfizer vaccine and 18 years of age and older to receive the Moderna or Johnson and Johnson vaccine. All individuals under the age of 18 receiving a vaccine must be accompanied by a parent or legal guardian. COVID-19 vaccines are free for eligible Florida residents. View the [list of vaccine providers](#) and [provider location map](#) for additional

- Department Status
- Employee Status Update Form
- Updates, Advisories, & Announcements**

Data options

General

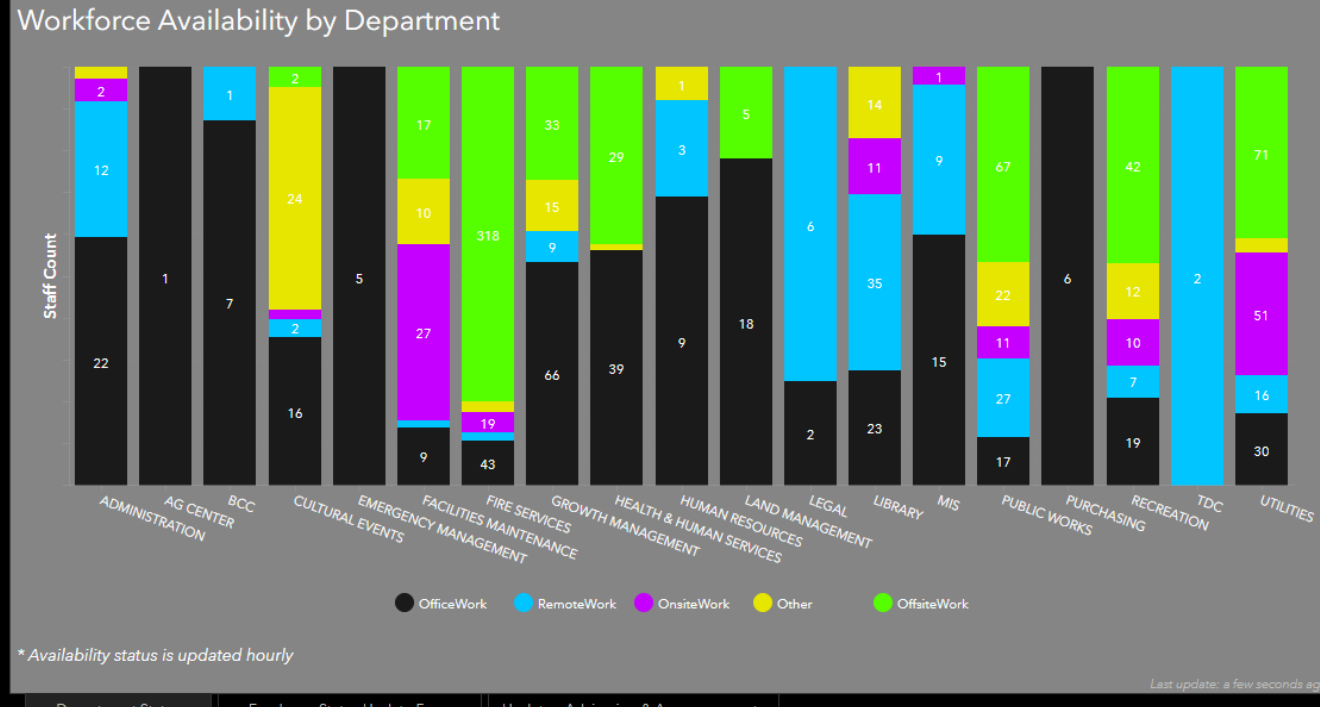
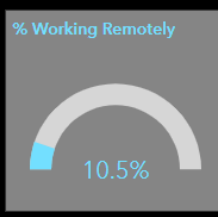
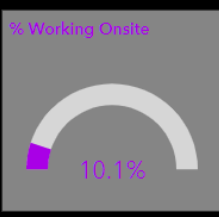
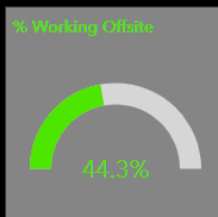
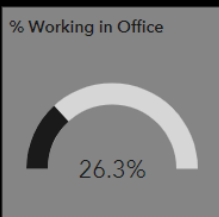
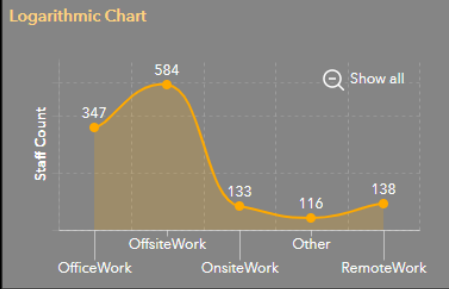
Type:

Content Type:

URL:



# BoCC Operation Stay Safe (BOSS) Dashboard



### Workforce Status List by Dept

\*\*\* Select a Department to Update List \*\*\*

|                                |
|--------------------------------|
| ABAIGEAL BASS - OfficeWork     |
| AMIE VADEN - OfficeWork        |
| ANDREA MATZKE - RemoteWork     |
| ANTERIO SMITH - OfficeWork     |
| BRAD BRADLEY - OfficeWork      |
| BRYAN MATUS - OfficeWork       |
| CAITLYN TYDE - OfficeWork      |
| CLAYTON SCHROEDER - RemoteWork |
| DANIEL NICHOLS - OfficeWork    |
| DEANNA OLESKE - OfficeWork     |
| DEVIN COUSINS - RemoteWork     |
| HUNTER CONRAD - OnsiteWork     |
| JAMES HOLLOWAY - OfficeWork    |
| JENNIFER CHEATHAM - OfficeWork |
| JENNIFER ZUBERER - RemoteWork  |
| JESSE DUNN - OfficeWork        |
| JOSEPH GIAMMANCO - OfficeWork  |
| JUNYAO ANDREWS - OfficeWork    |
| KARINA CLAROS - Other          |
| KELLY BOULOS - OfficeWork      |

### Staff Working in Office

**347** 🏢

### Staff Working Remotely

**138** 🏠

\* Remote work operations by telecommuting.

### Staff Working Onsite

**133** 👥

\* Onsite operations within a facility NOT in an office.

### Staff Working Offsite

**584** 🚶

\* Offsite work related to fieldwork.

### Staff Status as Other

**116** 👤

\* Other general status.

Thank you!

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During COVID-19 Pandemic

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