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Ag Outlook Forum – Feb 19, 2021

COVID-19 Risk Portfolio Dashboard

 **USDA** Rural Development
U.S. DEPARTMENT OF AGRICULTURE

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Director | Data Analytics Division
Innovation Center | USDA Rural Development

Rural Development (RD)

USDA Rural Development's Mission

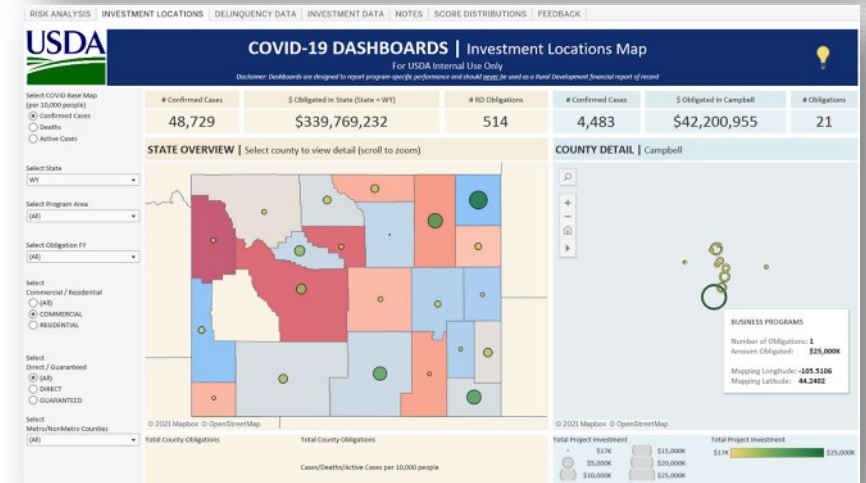
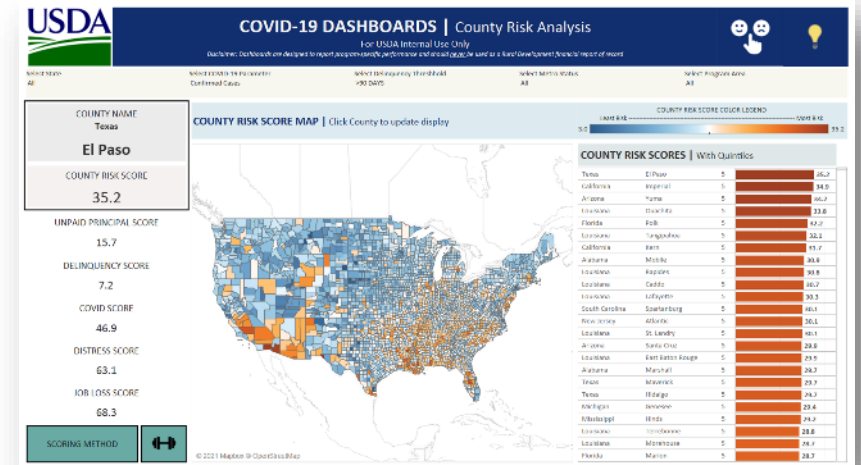
Committed to helping improve the economy and quality of life in rural America

Rural Development's Portfolio

- Over \$230B in total assets (loans + grants) – 14th largest bank in the country, and essential lender for rural America (critical infrastructure, rural business support, housing)
- 50+ Loan, Grant, and Technical Assistance Programs – the “World Bank” of Rural America
- Over 4,300 RD employees in every State and US Territory

COVID-19 Risk Portfolio Dashboard

- The dashboard was developed to help identify areas of heightened economic vulnerability during the pandemic
- Enabling our decision-makers to respond more quickly to the needs of rural communities
- Be more proactive instead of reactive – reach out to customers in vulnerable communities to see how we can assist



Portfolio Risk Index – 5 Factors



Unpaid Principal on RD Investments

- What is the outstanding balance on RD loans in that county?



Delinquency Rate

- What RD loans in that county have already had problems with repayment?



Confirmed COVID cases (per 10,000 people)

- What proportion of the county's population has been directly affected?



Distressed Communities Index (DCI)

- What was the county's pre-pandemic level of distress?
- DCI measures a community's economic well-being (includes poverty and income levels, unemployment, housing vacancy, educational attainment, changes in jobs and businesses)



Job Loss Projections

- How much is the pandemic projected to affect the county's current employment?

Use Case

CAMPBELL COUNTY, WY

- Gillette is the county seat of Campbell County, Wyoming
- With an estimated population of 32,030, Gillette has increased its population by 48% in the last ten years
- Gillette is centrally located in an area involved with the development of vast quantities of coal, oil, and coalbed methane gas.
- The city calls itself the "Energy Capital of the Nation"
- Wyoming provides nearly 35% of the nation's coal.



Tableau

Dashboard Demo



COVID-19 DASHBOARDS | County Risk Analysis

For USDA Internal Use Only

Disclaimer: Dashboards are designed to report program-specific performance and should never be used as a Rural Development financial report of record



Select State
All

Select COVID-19 Parameter
Confirmed Cases

Select Delinquency Threshold
>90 DAYS

Select Metro Status
All

Select Program Area
All

COUNTY NAME

Texas

El Paso

COUNTY RISK SCORE

35.2

UNPAID PRINCIPAL SCORE

15.7

DELINQUENCY SCORE

7.2

COVID SCORE

46.9

DISTRESS SCORE

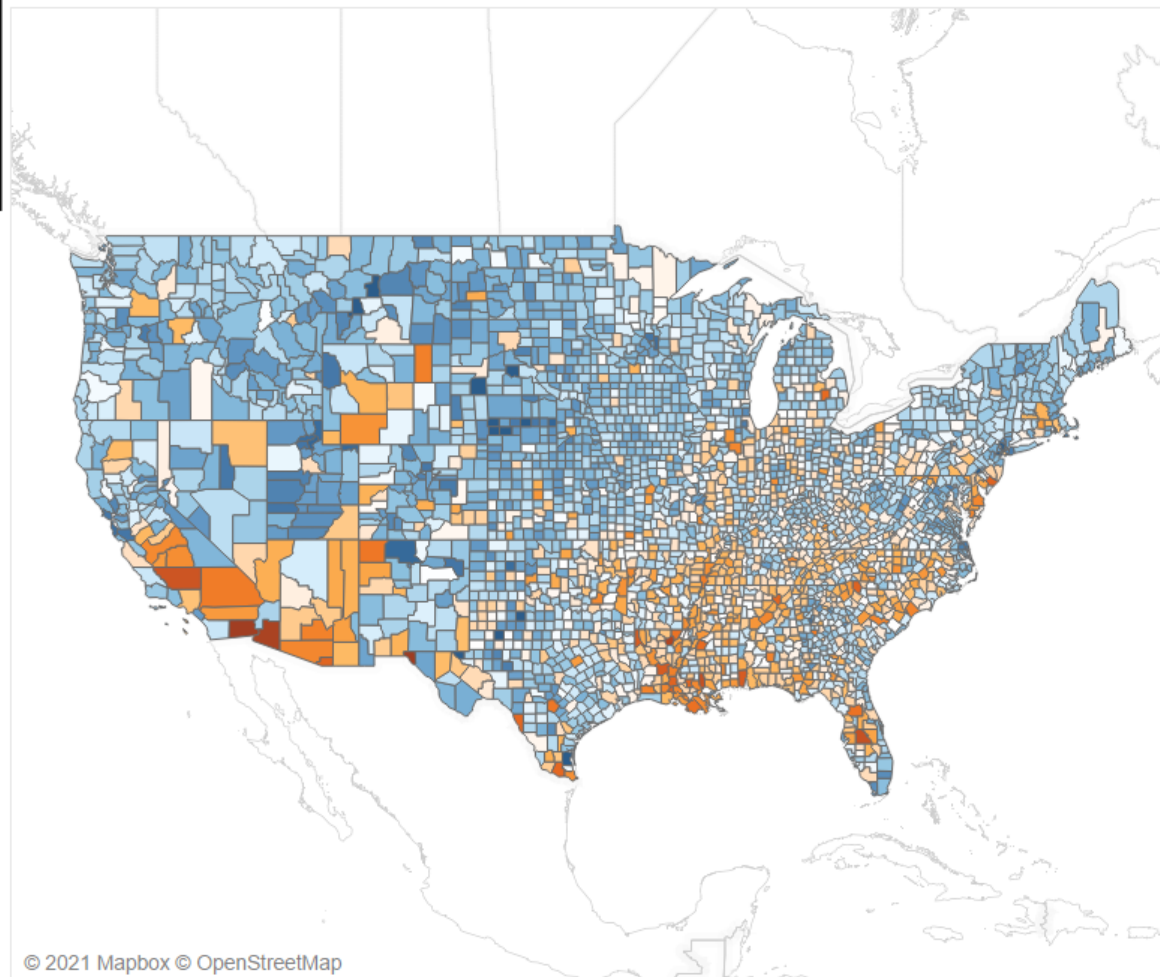
63.1

JOB LOSS SCORE

68.3

COUNTY RISK SCORE MAP | Click County to update display

COUNTY RISK SCORE COLOR LEGEND



COUNTY RISK SCORES | With Quintiles

Texas	El Paso	5	35.2
California	Imperial	5	34.9
Arizona	Yuma	5	34.2
Louisiana	Ouachita	5	33.8
Florida	Polk	5	32.2
Louisiana	Tangipahoa	5	32.1
California	Kern	5	31.7
Alabama	Mobile	5	30.9
Louisiana	Rapides	5	30.8
Louisiana	Caddo	5	30.7
Louisiana	Lafayette	5	30.3
South Carolina	Spartanburg	5	30.1
New Jersey	Atlantic	5	30.1
Louisiana	St. Landry	5	30.1
Arizona	Santa Cruz	5	29.9
Louisiana	East Baton Rouge	5	29.9
Alabama	Marshall	5	29.7
Texas	Maverick	5	29.7
Texas	Hidalgo	5	29.7
Michigan	Genesee	5	29.4
Mississippi	Hinds	5	29.2
Louisiana	Terrebonne	5	28.8
Louisiana	Morehouse	5	28.7
Florida	Marion	5	28.7

SCORING METHOD





COVID-19 DASHBOARDS | County Risk Analysis

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Select State
All

Select COVID-19 Parameter
Confirmed Cases

Select Delinquency Threshold
>90 DAYS



Select Metro Status
NON METRO

Select Program Area
All

COUNTY NAME
Louisiana

St. Landry

COUNTY RISK SCORE
30.1

UNPAID PRINCIPAL SCORE
10.5

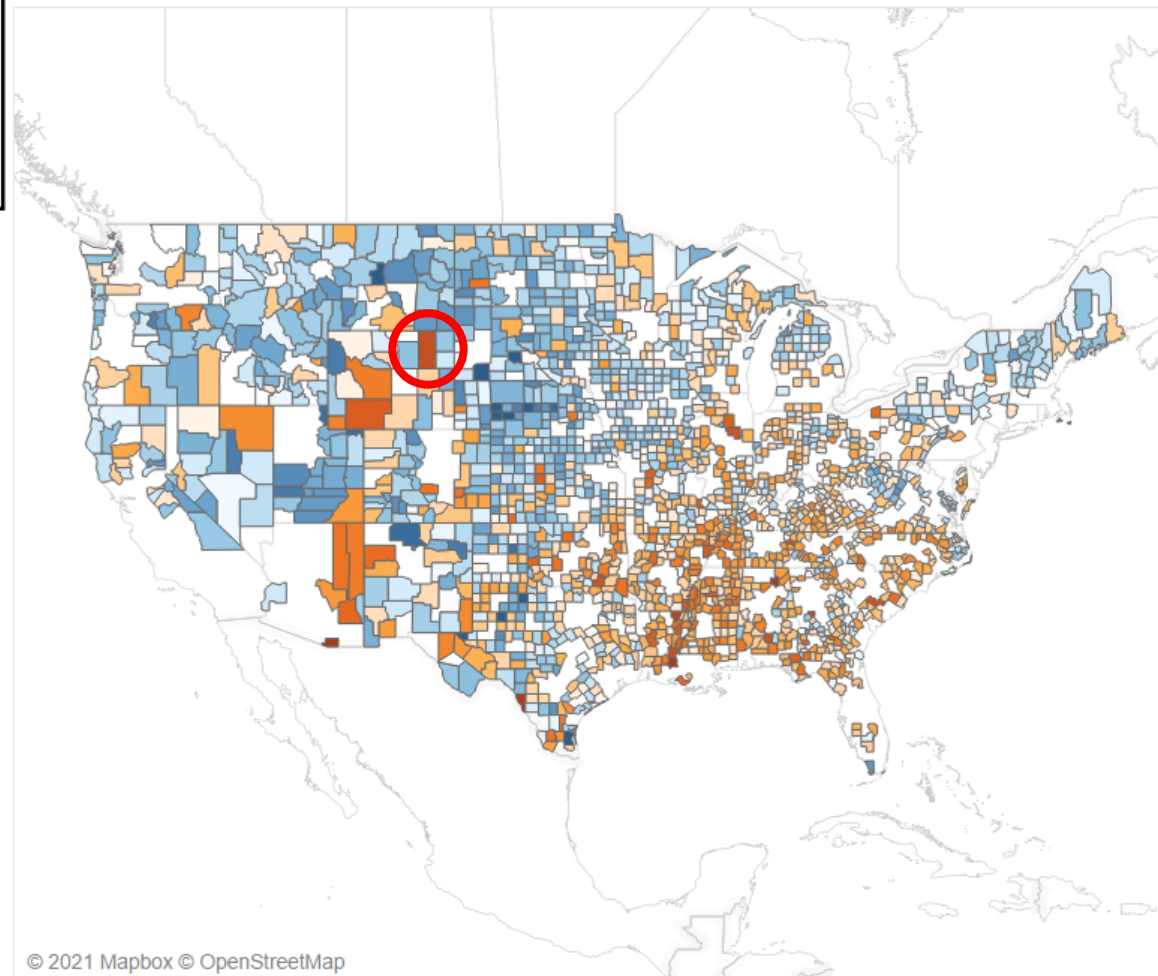
DELINQUENCY SCORE
7.2

COVID SCORE
30.2

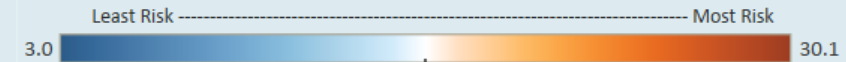
DISTRESS SCORE
89.9

JOB LOSS SCORE
69.1

COUNTY RISK SCORE MAP | Click County to update display



COUNTY RISK SCORE COLOR LEGEND



COUNTY RISK SCORES | With Quintiles

Louisiana	St. Landry	5	30.1
Arizona	Santa Cruz	5	29.9
Alabama	Marshall	5	29.7
Texas	Maverick	5	29.7
Louisiana	Morehouse	5	28.7
Georgia	Upson	5	28.0
Wyoming	Campbell	5	27.6
Louisiana	Avoyelles	5	27.6
Alabama	Butler	5	27.4
South Carolina	Orangeburg	5	27.3
Tennessee	Putnam	5	27.2
Illinois	Livingston	5	27.2
Oklahoma	Atoka	5	26.9
Louisiana	Franklin	5	26.5
Arkansas	Chicot	5	26.5
Mississippi	Grenada	5	26.4
Missouri	St. Francois	5	26.4
Arkansas	Mississippi	5	26.4
Wyoming	Sweetwater	5	26.3
Louisiana	Natchitoches	5	26.2
Kentucky	Lee	5	26.1
Kansas	Ellis	5	25.9
Illinois	LaSalle	5	25.9
Missouri	Saline	5	25.9

SCORING METHOD





COVID-19 DASHBOARDS | County Risk Analysis

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Select State

Wyoming

Select COVID-19 Parameter

Confirmed Cases

Select Delinquency Threshold

>90 DAYS

Select Metro Status

(All)

Select Program Area

(All)

COUNTY NAME
Wyoming

Campbell

COUNTY RISK SCORE
27.6

UNPAID PRINCIPAL SCORE
22.9

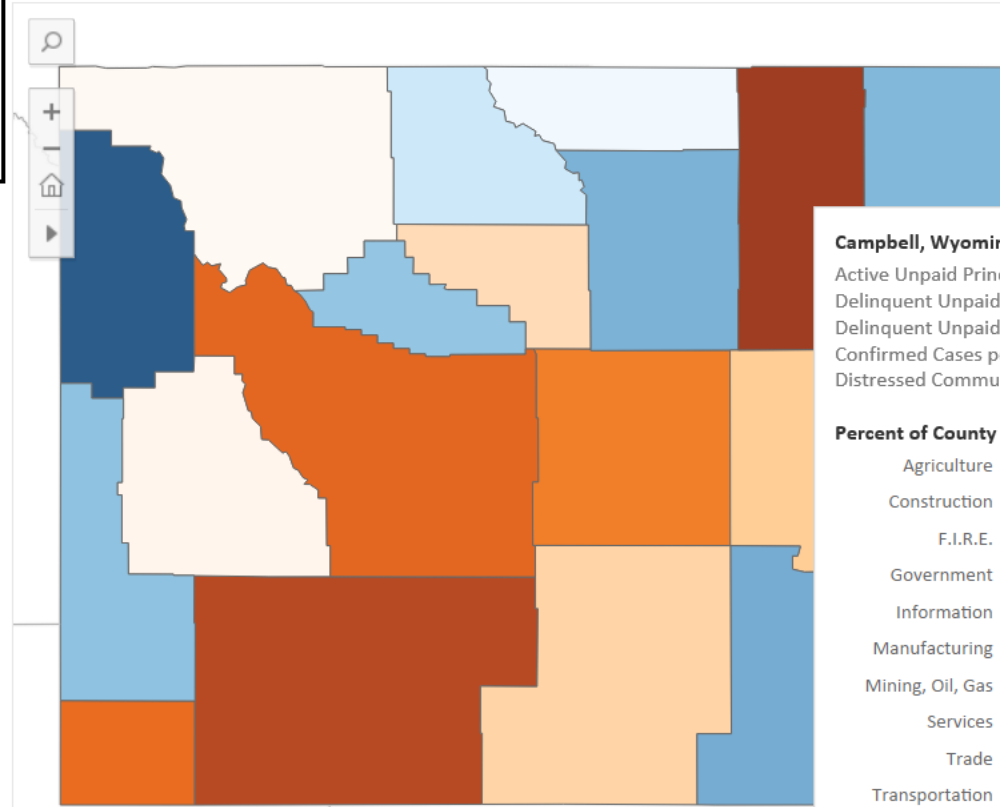
DELINQUENCY SCORE
7.2

COVID SCORE
32.0

DISTRESS SCORE
21.7

JOB LOSS SCORE
69.7

SCORING METHOD



COUNTY RISK SCORES | With Quintiles

Wyoming	Campbell	5	27.6
Wyoming	Sweetwater	5	26.3
Wyoming	Fremont	5	24.0
Wyoming	Uinta	5	23.6

Campbell, Wyoming - 56005 (FIPS code) NON METRO

Active Unpaid Principal: **\$329,809,492** (4.3% Commercial / 95.7% Residential)

Delinquent Unpaid Principal: **\$45,121,866** (0.0% Commercial / 100.0% Residential)

Delinquent Unpaid Amount: **\$1,653,695**

Confirmed Cases per 10,000 People: **754.0**

Distressed Community Index: **21.7**

Percent of County Employment by Sector:

Agriculture	1.6%
Construction	8.9%
F.I.R.E.	3.6%
Government	2.9%
Information	1.1%
Manufacturing	2.7%
Mining, Oil, Gas	22.4%
Services	35.0%
Trade	14.5%
Transportation	7.2%

Change in Unemployment since Feb 2020:

Agriculture	-2.60%
Construction	1.80%
F.I.R.E.	1.80%
Government	1.80%
Information	5.60%
Manufacturing	0.80%
Mining, Oil and Gas	14.20%
Services	17.40%
Trade	1.80%
Transportation	4.50%



COVID-19 DASHBOARDS | Investment Locations Map

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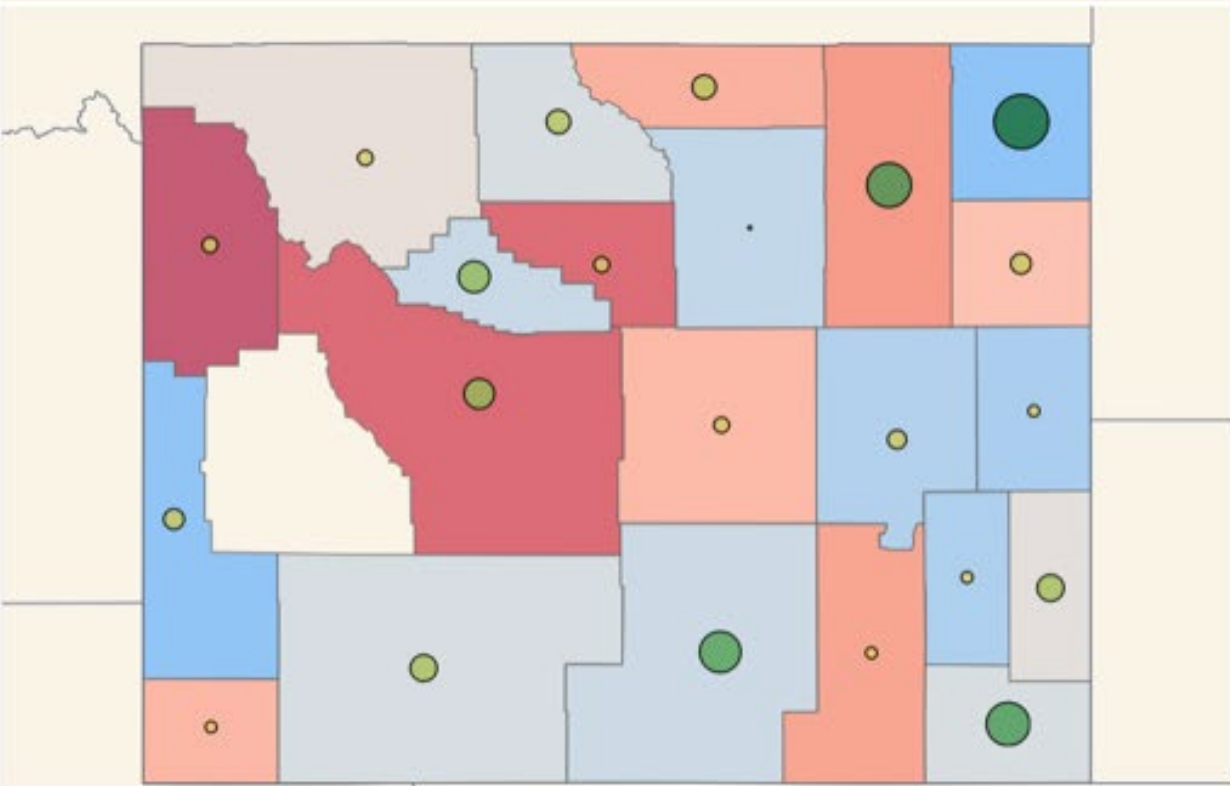


- Select COVID Base Map (per 10,000 people)
- Confirmed Cases
 - Deaths
 - Active Cases

- Select State
- WY
- Select Program Area
- (All)
- Select Obligation FY
- (All)
- Select Commercial / Residential
- (All)
 - COMMERCIAL
 - RESIDENTIAL
- Select Direct / Guaranteed
- (All)
 - DIRECT
 - GUARANTEED
- Select Metro/NonMetro Counties
- (All)

# Confirmed Cases	\$ Obligated in State (State = WY)	# RD Obligations
48,729	\$339,769,232	514

STATE OVERVIEW | Select county to view detail (scroll to zoom)

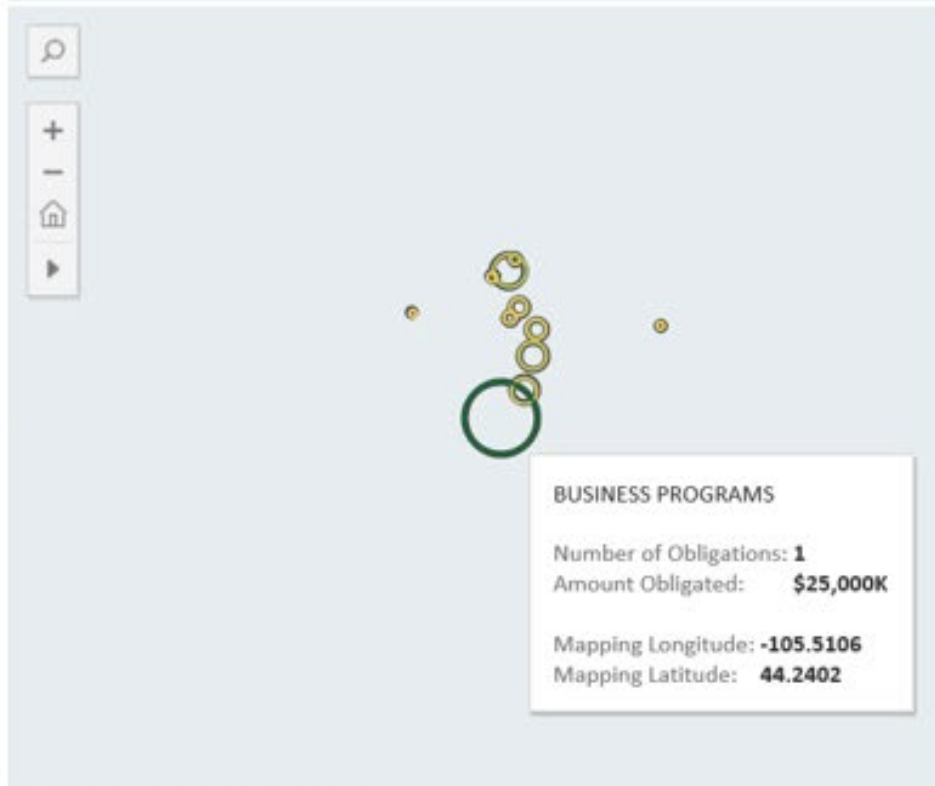


© 2021 Mapbox © OpenStreetMap

Total County Obligations	Total County Obligations
	Cases/Deaths/Active Cases per 10,000 people

# Confirmed Cases	\$ Obligated in Campbell	# Obligations
4,483	\$42,200,955	21

COUNTY DETAIL | Campbell



© 2021 Mapbox © OpenStreetMap

Total Project Investment	Total Project Investment
<ul style="list-style-type: none"> \$17K \$5,000K \$10,000K 	<ul style="list-style-type: none"> \$15,000K \$20,000K \$25,000K

\$17K 10 \$25,000K

Let's Connect!

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