

# AGENDA

- 1 Beaver County Regional**  
Council of Governments  
**Presenter:** Bethany Williams
- 2 A Collaborative GIS Program**  
Maximizing the ROI  
**Presenter:** Gary Sheets
- 3 Citizen Problem Reporter**  
(Survey 123, Web Applications, and Operations Dashboard)  
**Presenter:** Matt Kalcich





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# BEAVER COUNTY REGIONAL

COUNCIL OF GOVERNMENTS

PRESENTER: BETHANY WILLIAMS





# BEAVER COUNTY REGIONAL COG

**40 MUNICIPAL  
MEMBERS**

**SERVICES:**

- Joint Purchasing
- Education & Training
- Shared Services
- Fiscal Sponsorship
- Appeals Boards





# LIMITATIONS OF A DECLINING REGION

## BEAVER COUNTY

- 53.5 municipalities
- 170,539 population (2010 census)
- \$53, 981 median income
- 11.1% poverty rate
- Slow Economy after Collapse of Steel Industry



# LIMITATIONS OF LOCAL GOVERNMENT



- Limited Capacity
- Financial Instability
- Inadequate Technology





## SOLUTIONS

- Data Development
- Citizen Education
- Civic Engagement
- Municipal Responsiveness
- Neighborhood Improvement
- Collective Governance







## ACCOUNTABILITY & PARTNERSHIP

- Government → Citizen
- Citizen → Government
- Collective governance supports responsible government







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# A COLLABORATIVE GIS PROGRAM

MAXIMIZING THE ROI

PRESENTER: GARY SHEETS



# GIS PROGRAM LAUNCH



## Setting the stage

- GIS 101
- Smart Community Initiatives

### GIS 101

- Local governments use GIS to improve decision making, manage infrastructure and services delivery, and citizen engagement
- Five (5) Key Components to a successful GIS Program



People



Mapping &  
Data



Software



Hardware



Process &  
Analysis

- Successful GIS Programs begin with an Implementation Plan
  - Define User Roles, Data Needs & Priorities
  - Understand the Cost & Benefits for each planned phase



# GIS PROGRAM LAUNCH



## Setting the stage

- GIS 101
- Smart Community Initiatives

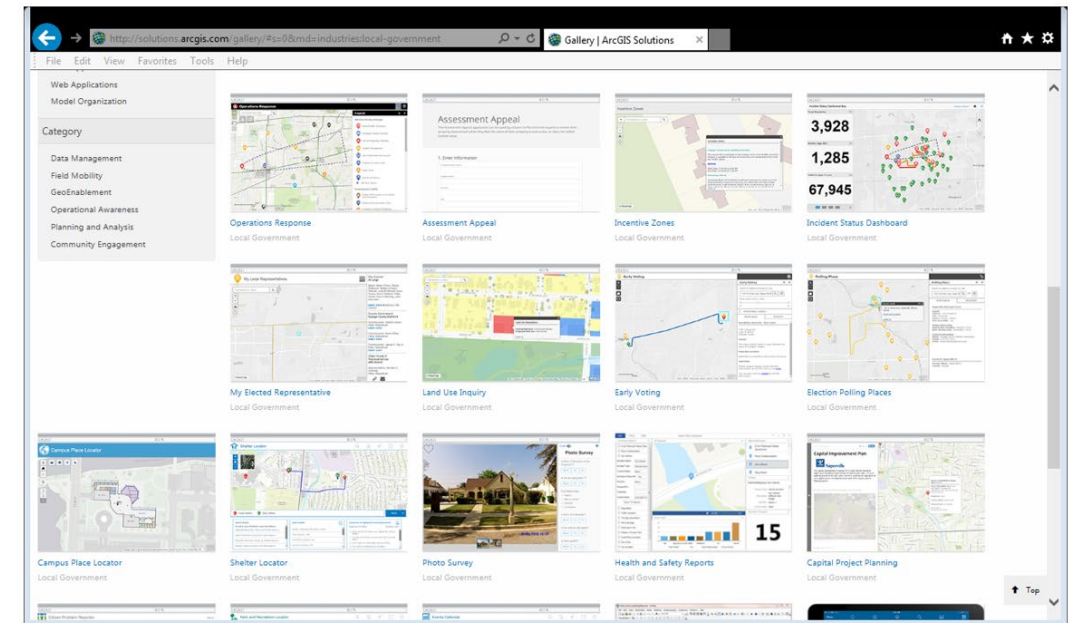
## Introduction to ArcGIS Solutions & the Local Government Model

- Early Adopters
- Cost Comparison

## GIS 101

### GIS 101: Process & Analysis

- L
  - S
  - F
- ESRI for Local Governments offers tools designed to **SAVE Time & Money!**



<http://solutions.arcgis.com/gallery/#s=0&md=industries:state-government>

# DEFINING THE PRIORITIES



A **CHARRETTE** is an intensive, multi-disciplinary workshop with the aim of developing a design or vision for a **PROJECT** or **PLANNING** activity.

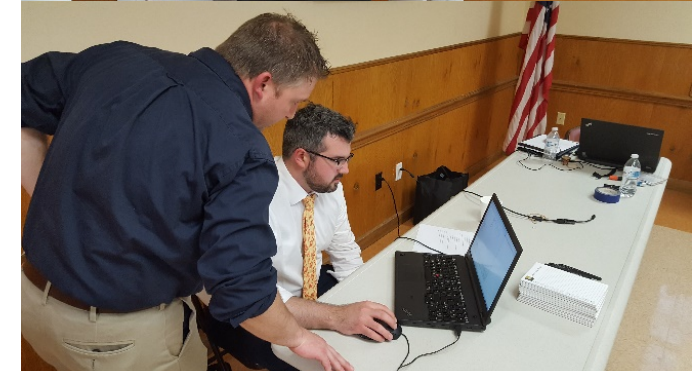
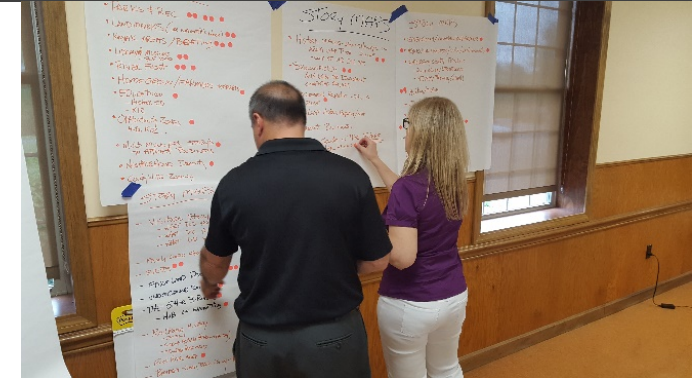
**CHARRETTES** are often conducted to design such things as parks and buildings, or to plan communities or transportation systems.



# CHARRETTE SESSION 1



- 1 Review of Pre-Workshop Materials
- 2 Voting on Importance of “Example” Applications
- 3 GIS Collaboration Case Study Review:  
Union County & Lewisburg, PA
- 4 Break Out-Session
  - Story Maps
  - Engagement / Crowdsourcing
  - Operations (Tools and Workflow to improve current activities)
- 5 Results: 74 Potential Applications



# CHARRETTE SESSION 2



- 1 Consolidation of Applications
- 2 Ranking the “Brainstorm” Applications
  - Development Tracker
  - Site Selection
  - Citizen Reporter
  - Beaver County Outdoors
  - MS4 Compliance

3 Detailed discussion and analysis of Data & Mapping required for Top 5

#1 – Development Tracker

The Development Tracker application will be used to manage the process of proposed and/or in-progress Land Development projects within a given municipality. Specific functions include:

- Application Submittal & Review
- Permitting
- Document Submission
- Presentation materials for Planning Commission meetings

#2 – Site Selection / Incentive Zones

Site Selector is a configuration of ArcGIS and a JavaScript application that helps business owners and corporations locate available buildings and sites, and combine their property search with key community and business demographic information. It is a single application that can be deployed by the COG and accessed by business owners and corporations on desktop and mobile devices.

The real estate information, demographic analysis, and reports provided in the Site Selector application facilitates better business decisions. It also helps to ensure that business investments made in the community are sustainable and align with their corporate vision.

The application could also include a “crowdsourcing” tool, which would allow property owners to list and showcase their properties for a nominal fee.

The COG may find it beneficial to work with the Allegheny Conference to establish a “data share” agreement, allowing the Site Selector data to be integrated with the Pittsburgh Prosperator website.

Data Requirements

Layer	Existing	Who Owns & Manages
Sites	Y	Municipality
Parcels	Y	County
Boundary (Muni / school)	Y	County
Points Of Interest	Y	Municipality / other / tourism
Demographic data	Y	Esri
Sanitary, Storm, Water	Y	Gas
Electric, Gas, Broadband	?	Provider
Incentive Zones	Y	Municipality / state / federal
Land Use	Y	Municipality
Zoning	Y	Municipality



View Manage Monitor Submit



Citizen Reporter Manager



Citizen Reports

1 se

Problem ID	Category	Type of Problem	Status	Public View	Detail
191121-154848	Road	Pothole	Completed	Yes	Pot Ho
191121-134856	Road	Pothole	Submitted	No	Pot Ho
191121-102028	Road	Pothole	Submitted	No	Pot Ho
191118-142249	Snow/Ice	Road	Submitted	Yes	Ice on
191112-091603	Snow/Ice	Salt or Sand Required	Submitted	No	They v
191031-150228	Animal	Animal Abuse	Submitted	No	Dog fi
191030-130427	Utility	Damaged or Leaking Fire Hydrant	Completed	Yes	Leakin

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CITIZEN REPORTER  
(SURVEY 123, WEB APPLICATIONS, AND OPERATIONS DASHBOARD)  
PRESENTER: MATT KALCICH

Details

Comments (0)

000 000 0000

Mkalcich@larsondesigngroup.com

Location: Commerce Park Dr, Williamsport, Pennsylvania, 17701

Status:

Submitted Received In Progress Completed

Assigned To: Public Works

Resolved On: 11/21/2019

+ -

Map view controls

Aerial map view with a green location pin

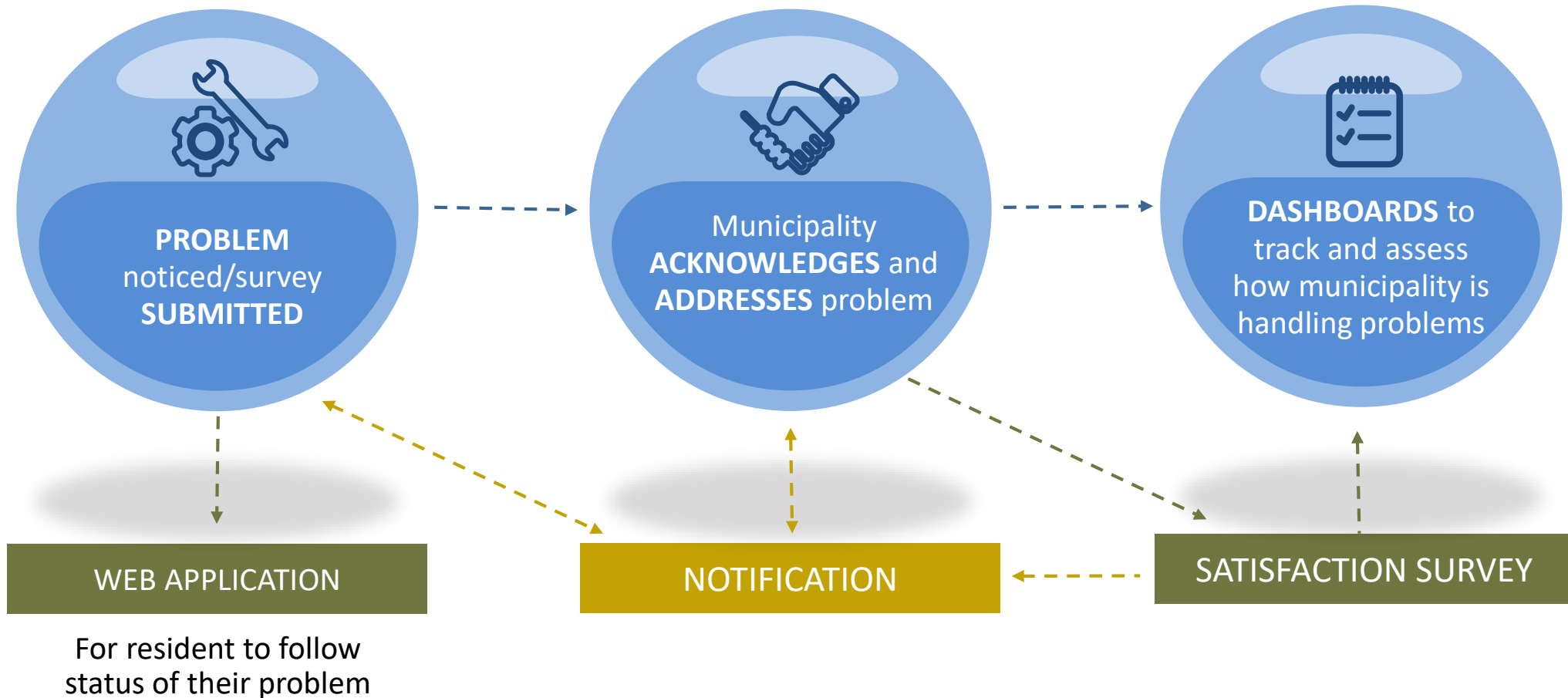
Larson Design Group®

New York State

# CITIZEN REPORTER



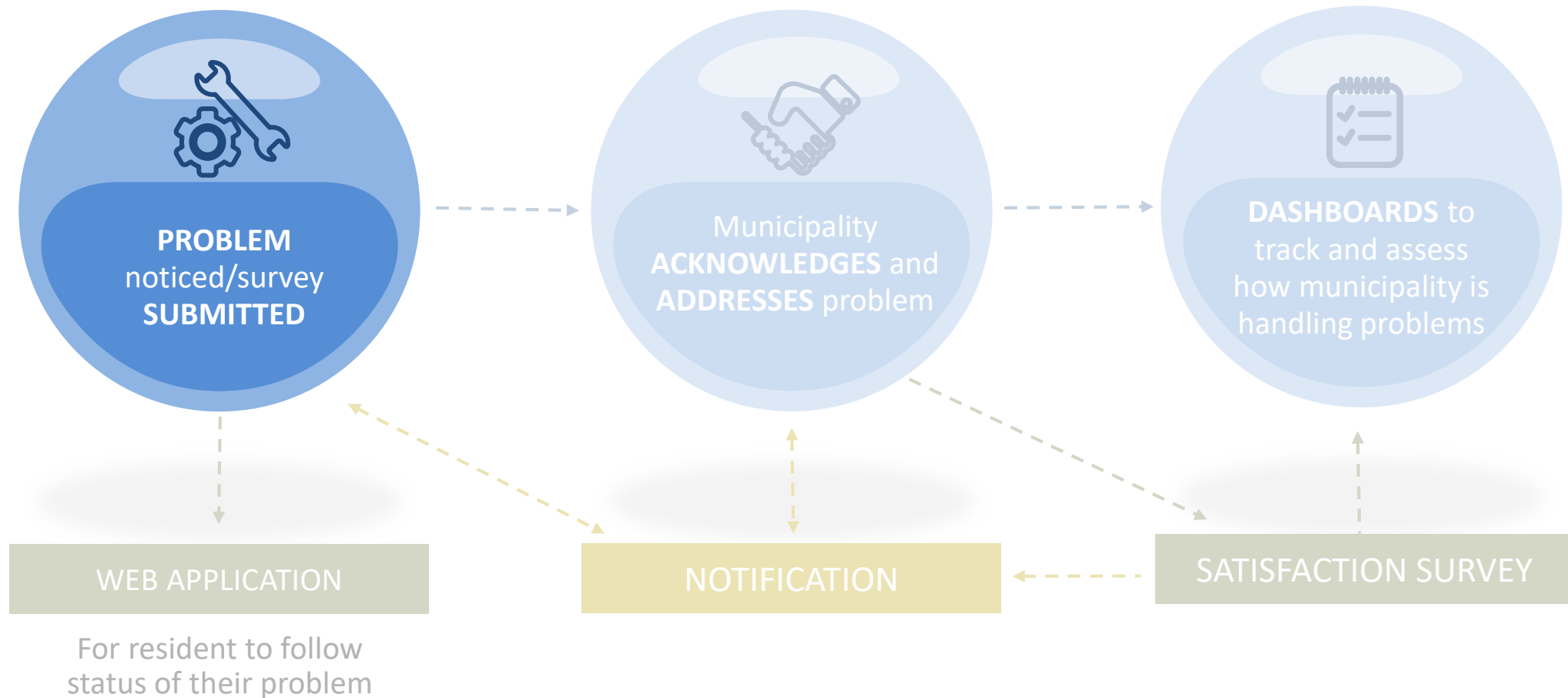
## Workflow



# CITIZEN REPORTER



## Workflow





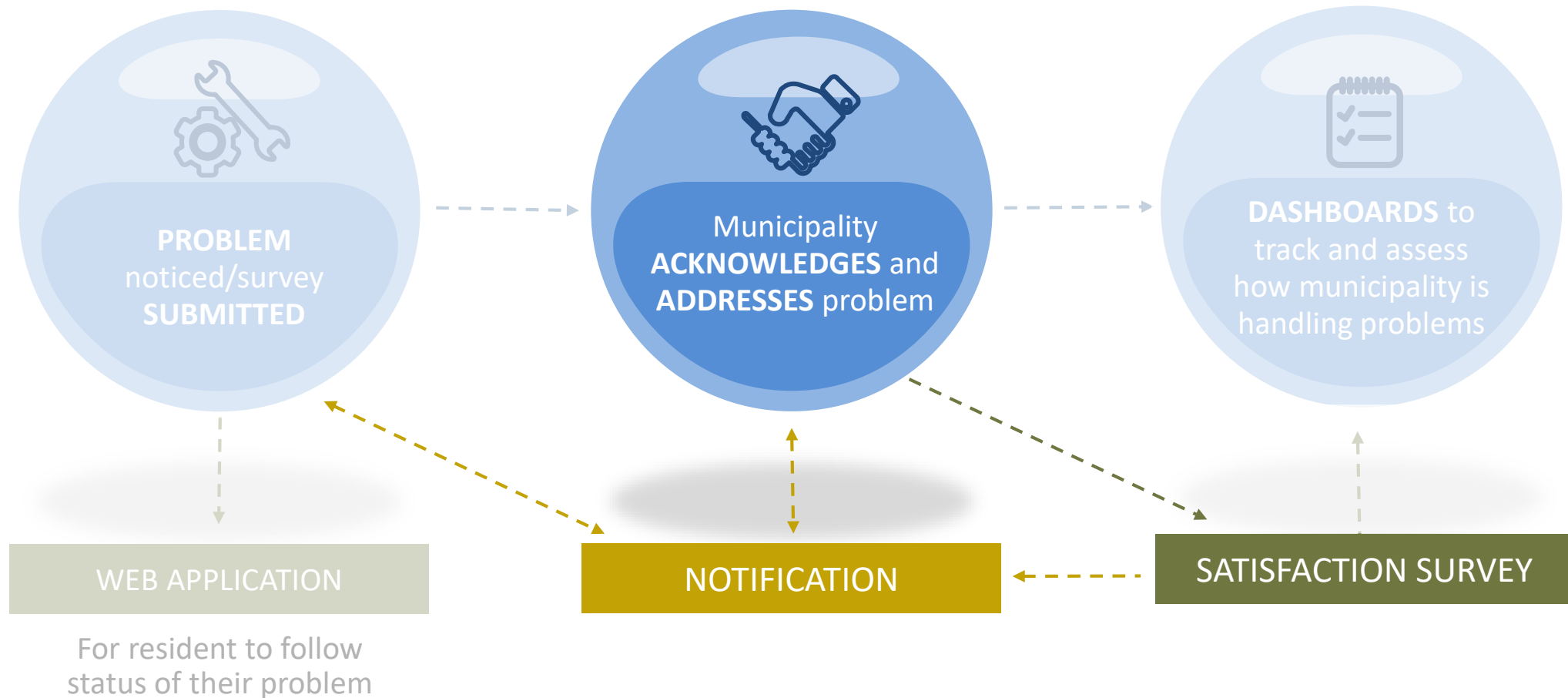
Easy-to-use public facing applications  
for citizens to  
report problems to municipalities



# CITIZEN REPORTER



## Workflow



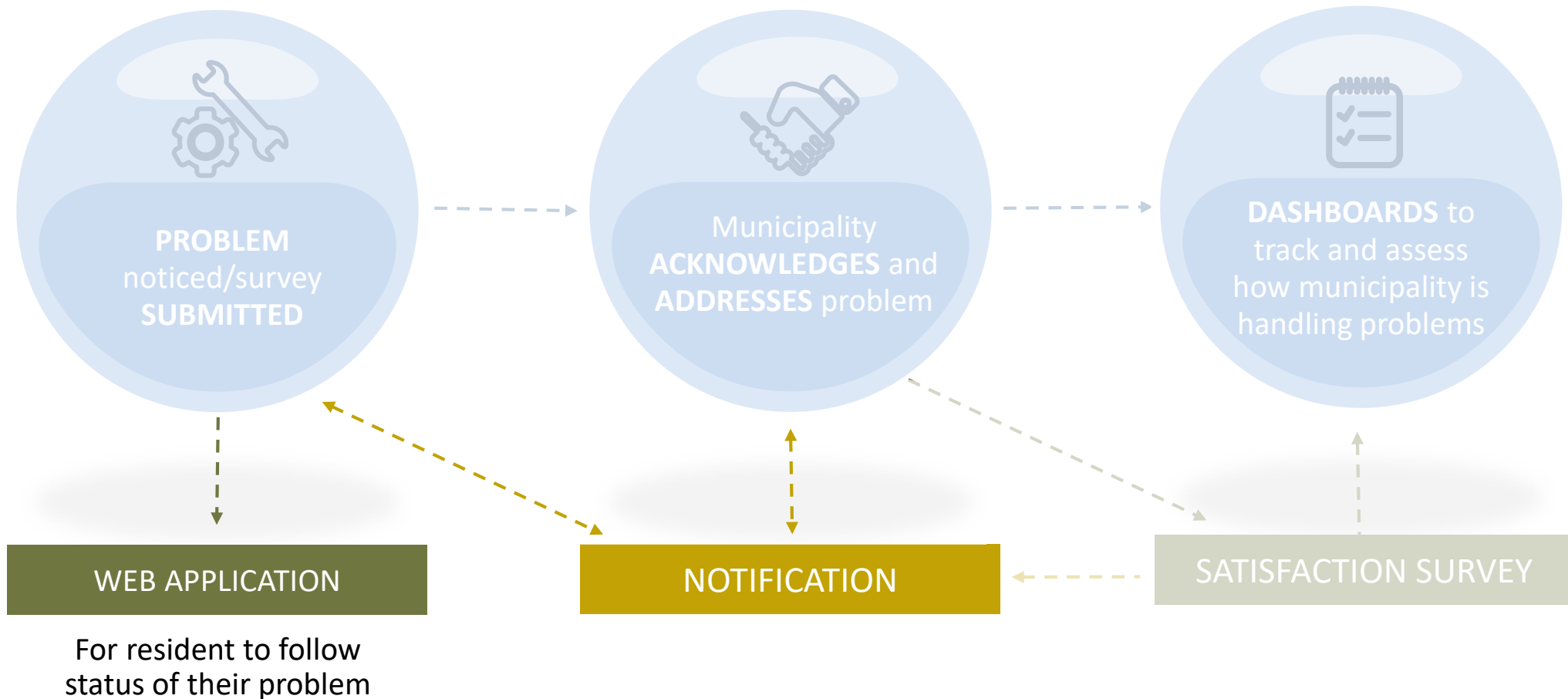




# CITIZEN REPORTER



## Workflow



Outlook interface showing an email titled "Thank You for Your Submission - test" from Microsoft PowerApps and Flow. The email content includes a caution about an external source, a greeting to Matthew Kalcich, and details about a problem report (Problem ID: 191121-154848, Category: Road, Type: Pothole, Details: Pot Hole On Market Street). It also provides instructions on how to track the progress of the report and how to unsubscribe from these emails.

**Outlook Interface:**

- Top Bar:** File, Home, Send / Receive, Folder, View, Help. Search bar: "Tell me what you want to do".
- Left Navigation Pane:**
  - Favorites:** Inbox (168), Sent Items, Drafts (49), Deleted Items (5446).
  - Account:** MKalcich@larsondesigngroup.com
    - Archive (305)
    - Deleted Items (5446)
    - Drafts (49)
    - Inbox (168)
    - ArcGISPlugin
    - Client
    - Conference
    - CountyContacts
    - ESRI
    - Geonet
    - Luch&Learn
    - PerformanceEvalHRStuff
    - Projects
    - Resumes
    - Seller\_Doer
    - StufttoDo
    - StufttoRemember
    - Training
    - TrainingIntrest
    - Junk
    - Junk Email (35)
- Search Current Mailbox:** Focused, Other. By Date.
- Today's Mail:**
  - Kalcich, Matthew** Road Problem Report Survey Hello Matthew Kalcich, You are receiving this 4:01 PM
  - Microsoft PowerApps and Flow** New Survey to Review - test CAUTION: This email originated from an 3:51 PM
  - Microsoft PowerApps and Flow** Thank You for Your Submission - test CAUTION: This email originated from an 3:51 PM
  - Owen, Roy** RE: Database access for the 3:38 PM
  - Trenkitt, Terrence** Task Temp 854 Project CAUTION: This email originated from an 3:38 PM
  - Siperio, Brian** Survey Schedule 12/22/2018 3:28 PM
  - Owen, Roy** RE: License access for Russell Grant 3:16 PM
  - Owen, Roy** RE: License access for Russell Grant 3:13 PM
  - Clark, Bradley** FW: Data watch for water system 201 3:47 PM
  - Grant, Russell**

**Email Content:**

**Thank You for Your Submission - test**

Microsoft PowerApps and Flow <microsoft@powerapps.com>  
To: Kalcich, Matthew  
Cc: Rougeaux, Jacob  
Thu 11/21/2019 3:51 PM

**CAUTION:** This email originated from an EXTERNAL source.

Hello Matthew Kalcich,

Thank you for your submission. Your report details are as follows.

**Problem ID:** 191121-154848  
**Category:** Road  
**Type:** Pothole  
**Details:** Pot Hole On Market Street

You will be notified when the problem is resolved. You can track the progress of this report and all submitted reports through our [online map viewer](#) which is optimized for Google Chrome.

If you have any questions, please contact the Citizen Reporter Team by clicking [here](#).

Regards,

The Citizen Reporter Team

If you want to unsubscribe from these emails, please use this [form](#).

**Bottom Bar:** All folders are up to date. Connected to: Microsoft Exchange. 100% zoom.

**Taskbar:** Windows Start button, Search bar (Type here to search), Task View, Edge, File Explorer, Mail, Outlook, Teams, Word, Excel, PowerPoint, OneDrive, Taskbar icons.

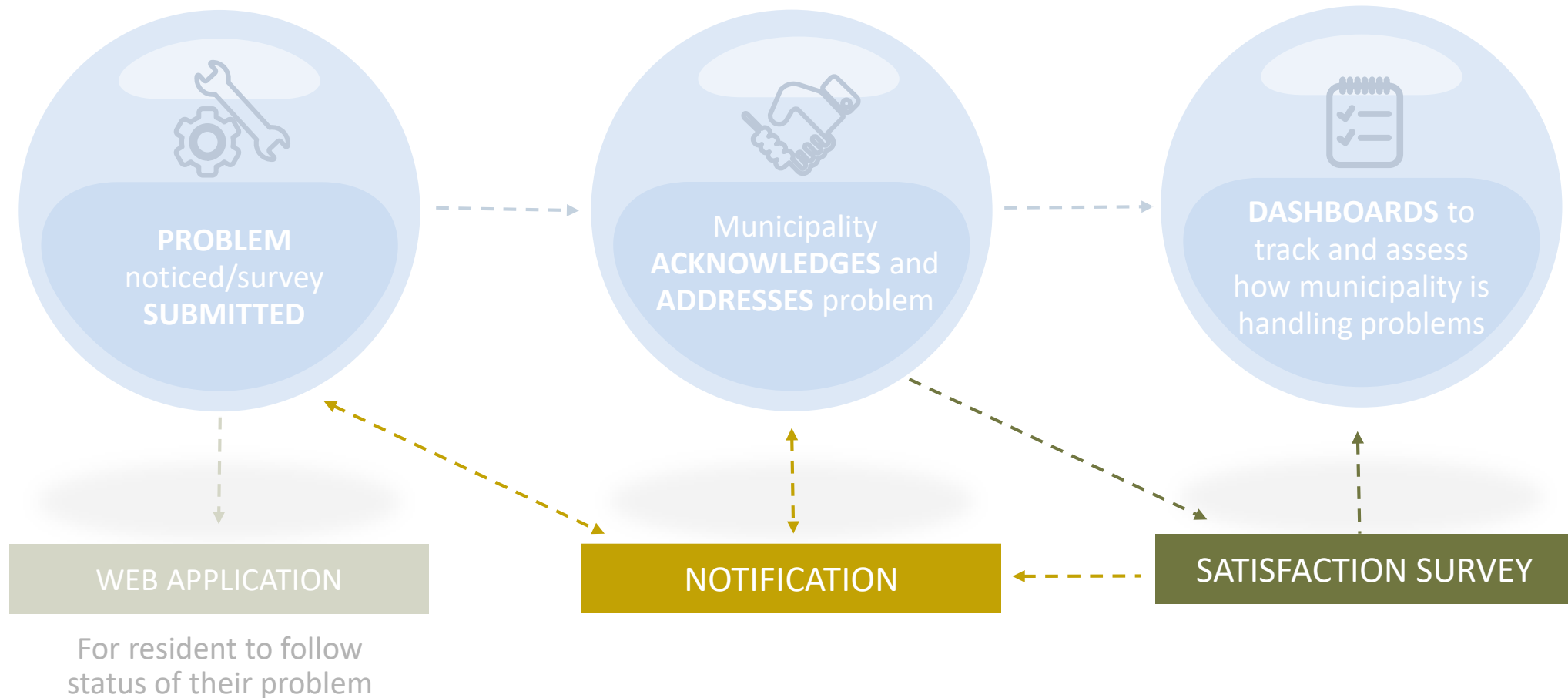
**System Tray:** Network, Volume, Battery, Date/Time: 4:01 PM 11/21/2019.



# CITIZEN REPORTER



## Workflow





Inbox - MKalcich@larsondesigngroup.com - Outlook

File Home Send / Receive Folder View Help Tell me what you want to do

New Email New Items Ignore Clean Up Junk Delete Archive Reply Reply All Forward Meeting IM More Quick Steps Move Rules OneNote Assign Policy Unread/Read Categorize Follow Up Groups Search People Address Book Filter Email Find Read Aloud Add-ins Insights

✓ Favorites  
Inbox 168  
Sent Items  
Drafts [49]  
Deleted Items 5446

✓ MKalcich@larsondesigngroup.com  
Archive 305  
> Conversation History  
> Deleted Items 5446  
> Drafts [49]  
✓ Inbox 168  
ArcGISplugin  
Client  
Conference  
CountyContacts  
ESRI  
Geonet  
Luch&Learn  
PerformanceEvalHRStuff  
Projects  
Resumes  
Seller\_Doer  
StufftoDo  
StufftoRemember  
Training  
TrainingIntrest  
Junk  
Junk Email [35]

Search Current Mailbox Current Mailbox

Focused Other By Date ↑

Today

Kalcich, Matthew  
Road Problem Report Survey  
Hello Matthew Kalcich, You are receiving this 4:01 PM

Microsoft PowerApps and Flow  
New Survey to Review - test  
CAUTION: This email originated from an 3:51 PM

Microsoft PowerApps and Flow  
Thank You for Your Submission - test  
CAUTION: This email originated from an 3:51 PM

Thank You for Your Submission - test

MP Microsoft PowerApps and Flow <microsoft@powerapps.com>  
To Kalcich, Matthew  
Cc Rougeaux, Jacob  
Thu 11/21/2019 3:51 PM

Reply Reply All Forward

CAUTION: This email originated from an EXTERNAL source.

Hello Matthew Kalcich,

Thank you for your submission. Your report details are as follows.

Problem ID: 191121-154848  
Category: Road  
Type: Pothole  
Details: Pot Hole On MARKET Street

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Regards,

The Citizen Reporter Team

If you want to unsubscribe from these emails, please use this [form](#).

Items: 27,015 Unread: 168 Reminders: 1

All folders are up to date. Connected to: Microsoft Exchange

100%

Type here to search

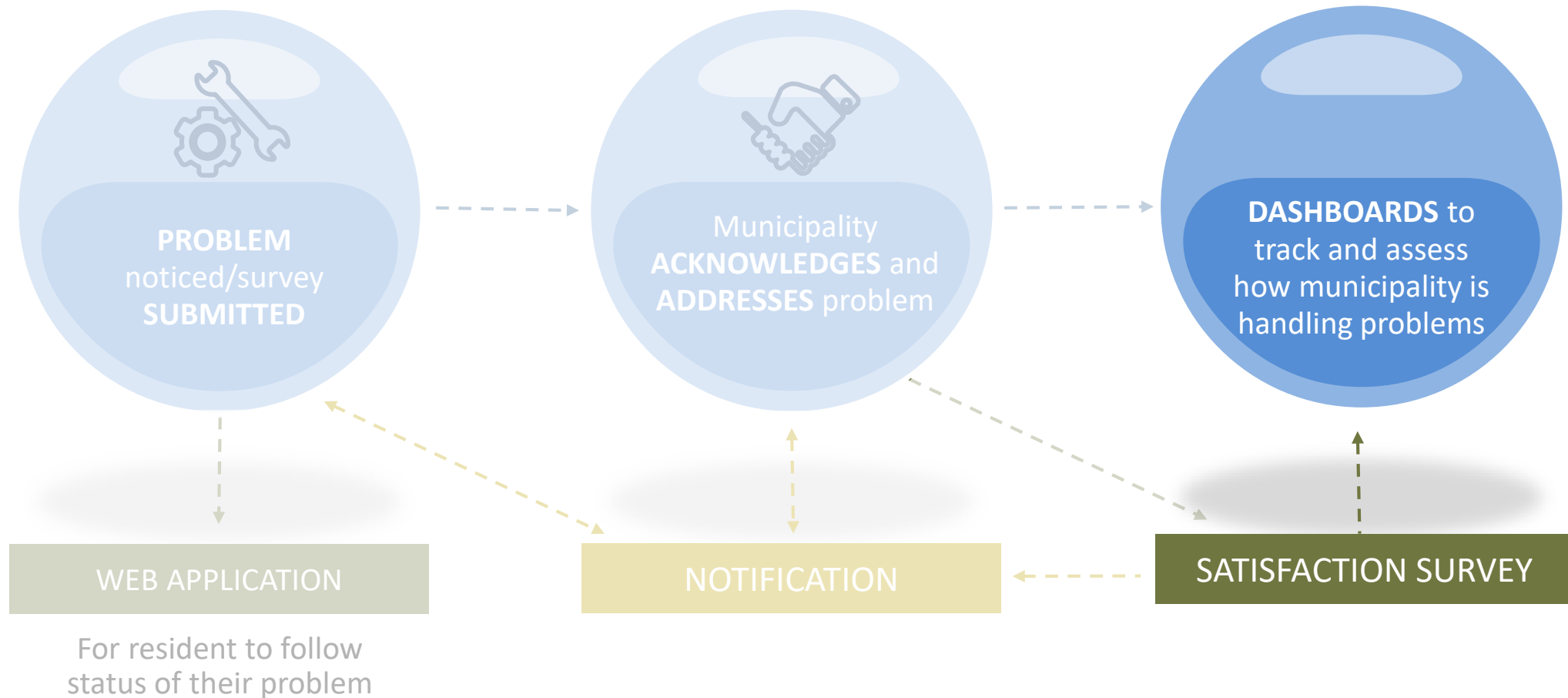
4:02 PM 11/21/2019

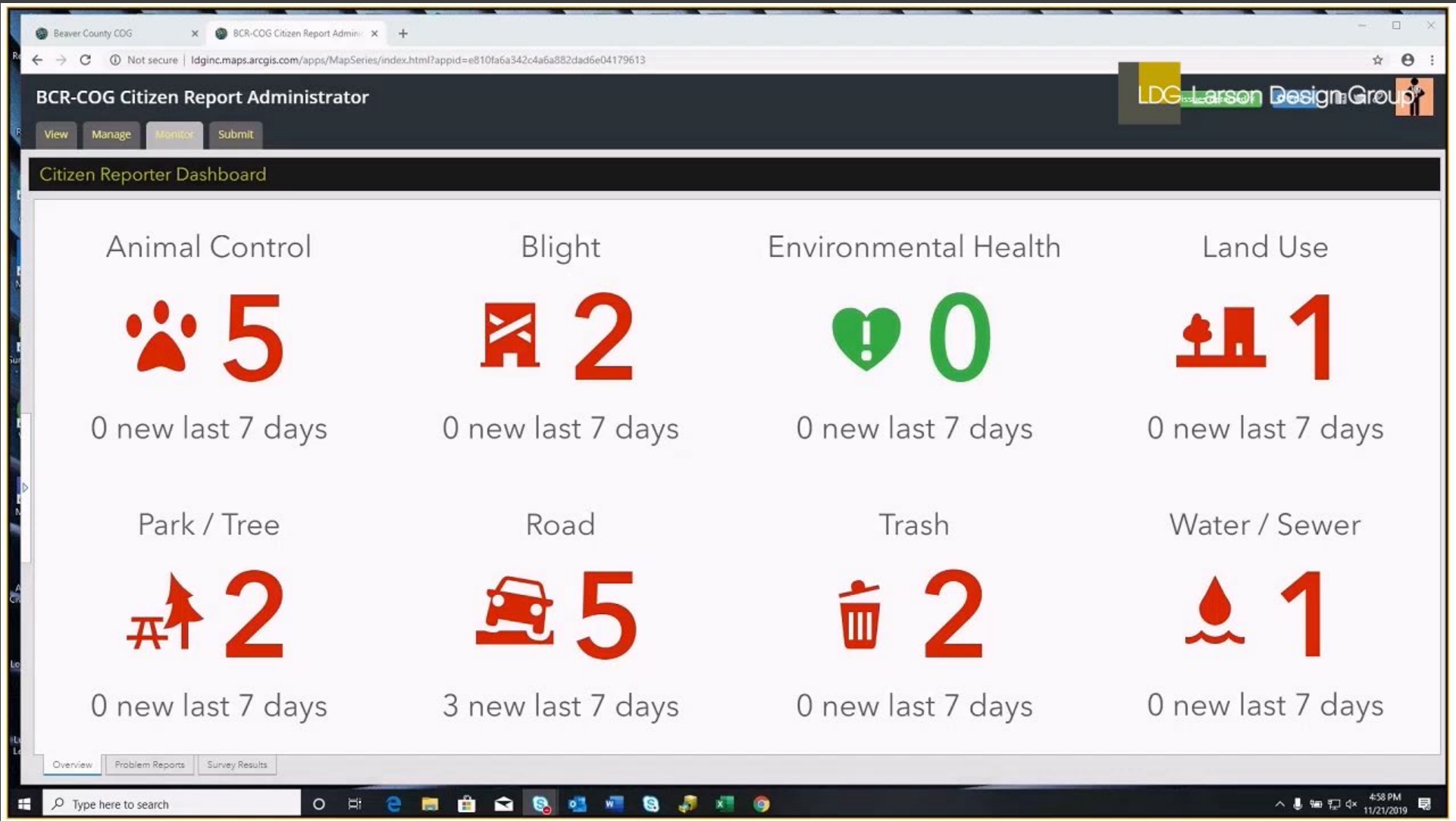


# CITIZEN REPORTER



## Workflow









# NEXT STEPS

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Native applications



Refine customize with Java Script API



Streamline delivery to municipalities



Deploy From Enterprise GIS



Follow and develop around Experience Builder

# EXPERIENCE BEAVER COUNTY



## Survey 123

Beaver County Experiences

We are EXCITED that you are sharing your Beaver County Experiences with everyone!

Let's Get Started!

What did you see?

Share a pic of what you are doing!

Press here to choose image file. (<10MB)

Have another pic?

Press here to choose image file. (<10MB)

What type of experience is this?

## Experience Builder

Beaver County Featured Experiences

Map showing Beaver County with various experience markers (yellow and blue icons) plotted across the region. The map includes labels for 'Winton' and 'Pittsburgh'. A sidebar on the right contains a list of experience categories: Features, Parks, Art & History, Events, Food, and All. At the bottom of the sidebar is a 'Submit Your Experience' button.

## Management Application

Experience Beaver County

Experience Beaver County Reporter Manager

What type of experience is this?	Does your location have a specific name?	Please describe your activity or experience	When did you experience this?
Parks&Trails	Test PARK	Running	
Parks&Trails	Test Park	Running	11/22
Parks&Trails	Rocky Bend Nature Preserve		08/12
Parks&Trails	Monaca Bluffs Trail - Proposed		07/12
Art&History	New Brighton Underground Railroad	Historical Society Walking Tour	
Art&History	Under Ground Rail Road	New Brighton Historical Society	09/28
Food	Survey Trailer	Not currently there	
Events	Test location	Testing webhook	
Food	Don Jose Mexican Grill	Good Mexican food, prepared family style	09/24

Details

Photos

Don Jose Mexican Grill

What type of experience is this? Food

Does your location have a specific name? Don Jose Mexican Grill

Please describe your activity or experience: Good Mexican food, prepared family style

When did you experience this? 9/24/2019 9:30 AM



# QUESTIONS

