

UC



# Configuring Public Notification in Your Community

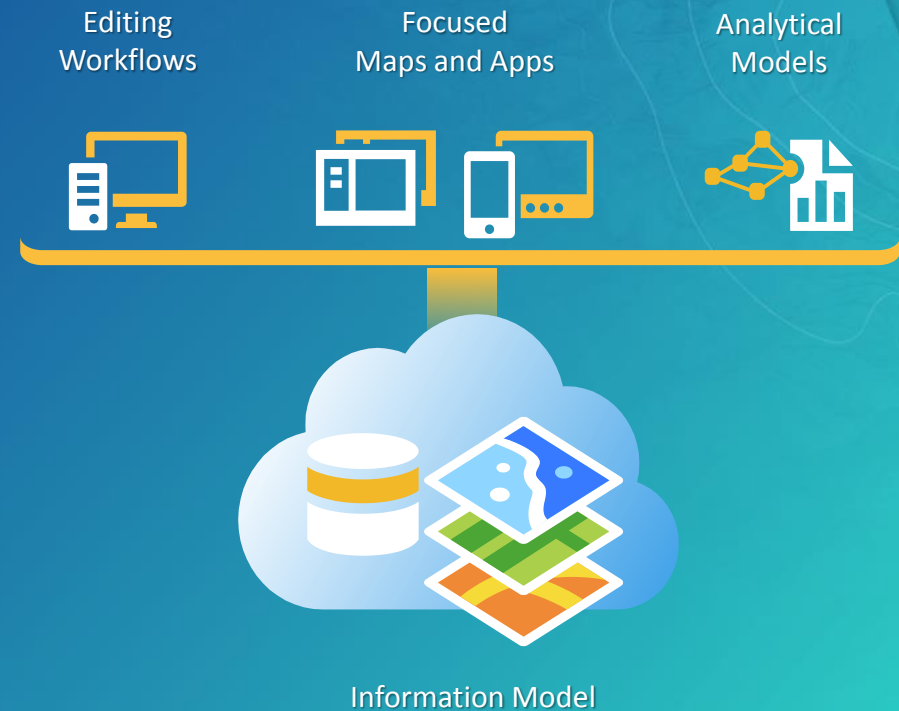
HEATHER EISAN



# ArcGIS for Local Government

Solutions for Esri's government customers

- Collection of useful maps and apps
  - Configurable and extensible
  - Freely available and fully supported
- Community of users
  - Best Practices / Implementation Support
- Network of Esri Services and Partner offerings
  - Help users implement, sustain, and enhance



.....Available on-premise or in the cloud



# What is the Public Notification application?

Allows local government staff to identify a collection of properties and create mailing labels, or a structured text file, of owners and occupants.

Used by planning and zoning officials.

Configuration of ArcGIS and a JavaScript application.



# Software Requirements

## Map authoring

- ArcMap - 10.3 - 10.5, and
- ReportLab 3.0 for Python 2.7 32-bit

## GIS service hosting

- ArcGIS Online subscription, or
- ArcGIS for Server 10.3 - 10.4 (Standard or Advanced), or
- ArcGIS Enterprise 10.5 (Standard or Advanced
- ReportLab 3.0 for Python 2.7 64-bit

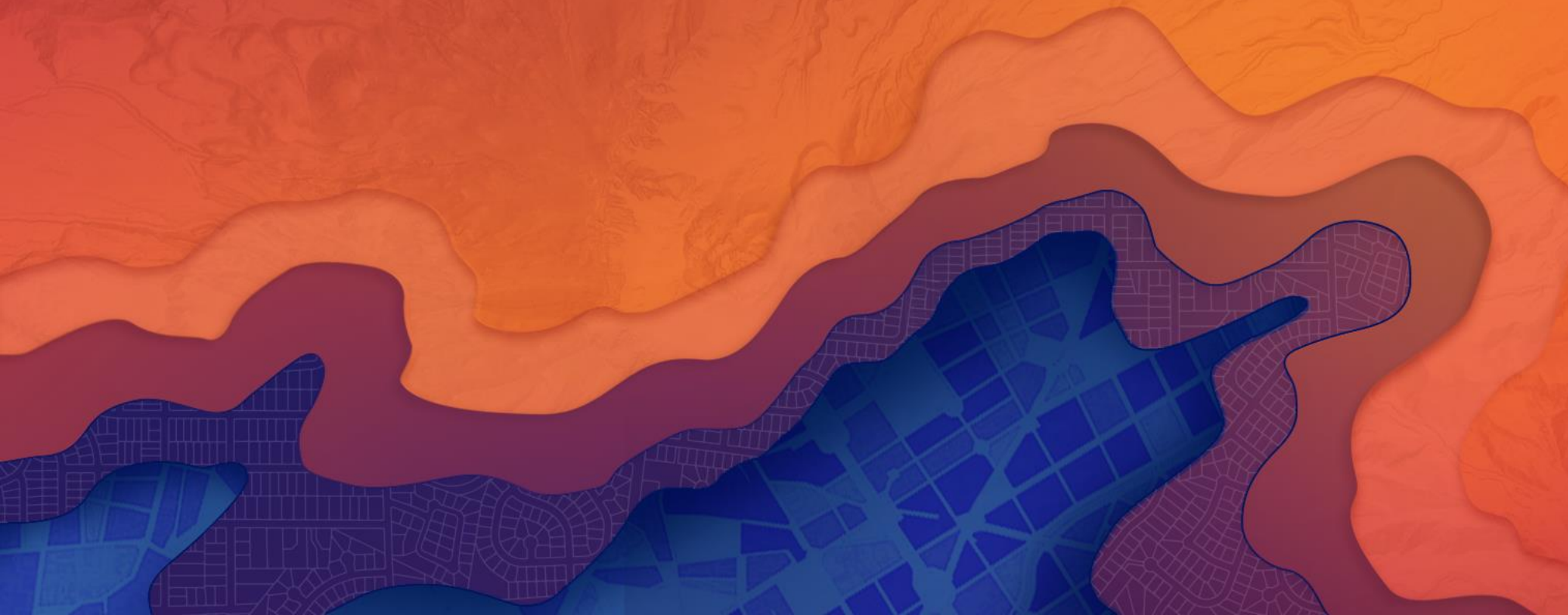
## Application hosting

- Microsoft Internet Information Services (IIS) 7.0 or higher
- Microsoft ASP.NET Framework 4.0 or 4.5



# Public Notification app

SHOW ME!



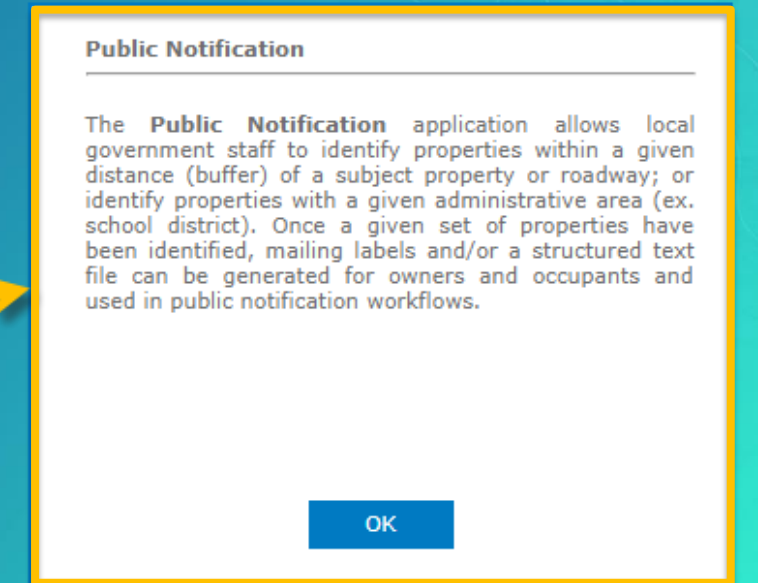
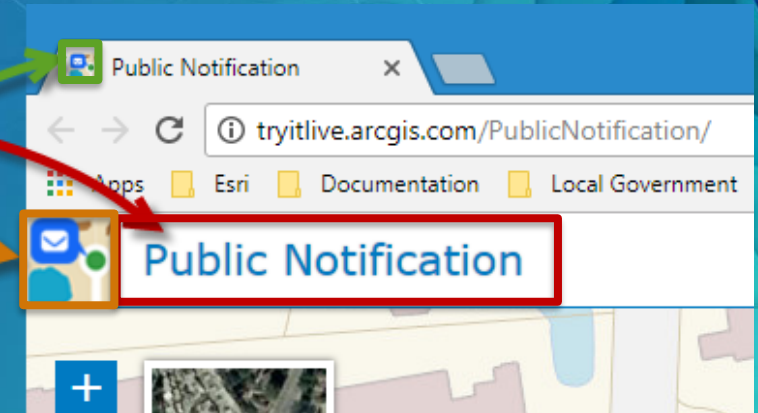


# Additional Configuration

## General settings

```
// -----  
// GENERAL SETTINGS  
// -----  
// Set application title  
ApplicationName: "Public Notification",  
  
// Set application icon path  
ApplicationIcon: "/js/library/themes/images/publicnotification.png",  
  
// Set application Favicon path  
ApplicationFavicon: "/js/library/themes/images/favicon.ico",  
  
// Set URL of help page/portal  
HelpURL: "help.htm",
```

```
//Set splash window content - Message that appears when the application starts  
SplashScreen: {  
  SplashScreenContent: "<b>Public Notification</b> <br/> <hr/> <br/>The <b>Public N  
    with a given administrative area (ex. school district). Once a given set of p  
  <b>isVisible: true</b>  
},
```

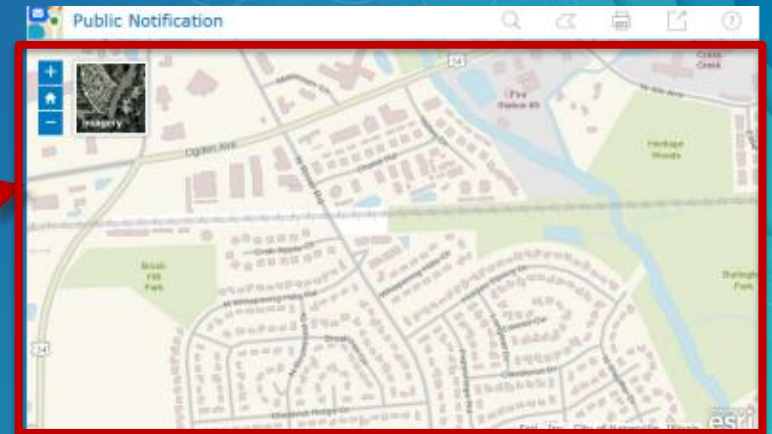




# Additional Configuration

## Basemap Settings - Default Extent

```
// Initial map extent. Use comma (,) to separate values and dont delete the last comma  
DefaultExtent: "-9817210,5127895,-9814287,5127905",
```



[https://developers.arcgis.com/javascript/3/samples/map\\_currentextent/](https://developers.arcgis.com/javascript/3/samples/map_currentextent/)



# Additional Configuration

## Overlay layer settings

```
//Overlay layer settings refers to the other operational layers configured apart from the standard layers.
// -----
OverlayLayerSettings: [
{
  OverlayHighlightColor: "#1C86EE",
  DisplayTitle: "School Name",
  LayerUrl: "http://services6.arcgis.com/Pu6Fai10JE2L2xUd/arcgis/rest/services/AdministrativeAreas/FeatureServer/0",
  SearchDisplayFields: "NAME",
  SearchExpression: "UPPER(NAME) LIKE '%${0}%' OR UPPER(NAME) LIKE '%${0}%'",
  InfoWindowSettings: [{
    InfoWindowTitleFields: "NAME",
    InfoWindowData: [{
      DisplayText: "School District:",
      FieldName: "DISTRCTNAME",
      AliasField: "School District Name"
    }, {
      DisplayText: "District Area (sq mi):",
      FieldName: "SCHOOLAREA",
      AliasField: "Area in Square Miles"
    }
  ]
}]
}],
```

Search icons: magnifying glass, back, print, share, help

Search bar: Naperville Community Unit School X [magnifying glass]

Results:

- 825 School St
- 421 E School St
- 516 E School St
- Road Centerline**
- School St
- School Name**
- Indian Prairie School District 204
- Naperville Community Unit School District 203

InfoWindow: Naperville Community Unit School Di... [close] [email]

Fields:

- School District: Naperville Community Unit School District 203
- District Area (sq mi): 31.0256443588272



# Additional Configuration

## Query fields

```
// -----  
// Query fields  
// -----  
//Fields to be queried  
QueryOutFields: "PARCELID,LOWPARCELID,OWNERNAME1,OWNERNAME2,SITEADDRESS,PSTLADDRESS,PSTLCITY,PSTLSTATE,PSTLZIP5,PSTLZIP4,BUILDING,UNIT,USEDSCRIP,CNVYNAME,CVTTXDSCRIP,SCHLDSCRIP",
```



# Additional Configuration

## Operational Data Settings

```
ParcelLayerSettings: {  
  ParcelHighlightColor: "#1C86EE",  
  ParcelHighlightAlpha: 0.5,  
  LayerUrl: "http://services6.arcgis.com/Pu6Fai10JE2L2xUd/arcgis/rest/services/TaxParcelQuery/FeatureServer/0",  
  SearchDisplayFields: "PARCELID,SITEADDRESS",  
  SearchExpression: "UPPER(PARCELID) LIKE '%${0}%' OR UPPER(SITEADDRESS) LIKE '%${0}%'",  
  InfoWindowSettings: [{  
    InfoWindowTitleFields: "Site Address,SITEADDRESS",  
    InfoWindowData: [{  
      DisplayText: "Parcel ID:",  
      FieldName: "PARCELID",  
      AliasField: "Parcel Identification Number"  
    }], {
```

Search interface showing a search bar with the text "Naperville Community Unit School" and a search button. Below the search bar is a table of results with the header "ParcelID/Address".

ParcelID/Address
1005 School St
920 School St
1005 School St

Info window for "1005 School St" showing detailed parcel information. The window includes a close button and an "Add adjacent parcel" button.

Parcel ID:	0821107041
Sub or Condo Name:	N/A
Building:Unit:	1005
Owner Name:	Lisle-woodridge Fire
Second Owner:	N/A
Use Description:	Single Family
Tax District:	Lisle
School District:	Community Unit School District 203


[Add adjacent parcel](#)



# Additional Configuration

## Avery label settings

```
AveryLabelSettings: [{  
  // Geoprocessing services for PDF creation  
  PDFServiceTask: "http://52.26.253.224:6080/arcgis/rest/services/PublicNotification/GPServer/GenerateAveryLabels",  
  
  // Geoprocessing service for CSV file creation  
  CSVServiceTask: "http://52.26.253.224:6080/arcgis/rest/services/PublicNotification/GPServer/GenerateCSVMailingList",  
  
  //Label to be displayed for Occupant  
  OccupantLabel: "Occupant",  
  
  //Fields of the occupant  
  OccupantFields: "PARCELID,SITEADDRESS,PSTLCITY,PSTLSTATE,PSTLZIP5",  
  
  //Fields for Avery labels  
  AveryFieldsCollection: ["PARCELID", "OWNERNAME1", "OWNERNAME2", "PSTLADDRESS", "PSTLCITY,PSTLSTATE,PSTLZIP5"],  
  
  //Fields for CSV files  
  CsvFieldsCollection: ["PARCELID", "OWNERNAME1", "OWNERNAME2", "PSTLADDRESS", "PSTLCITY", "PSTLSTATE", "PSTLZIP5"],  
}]
```



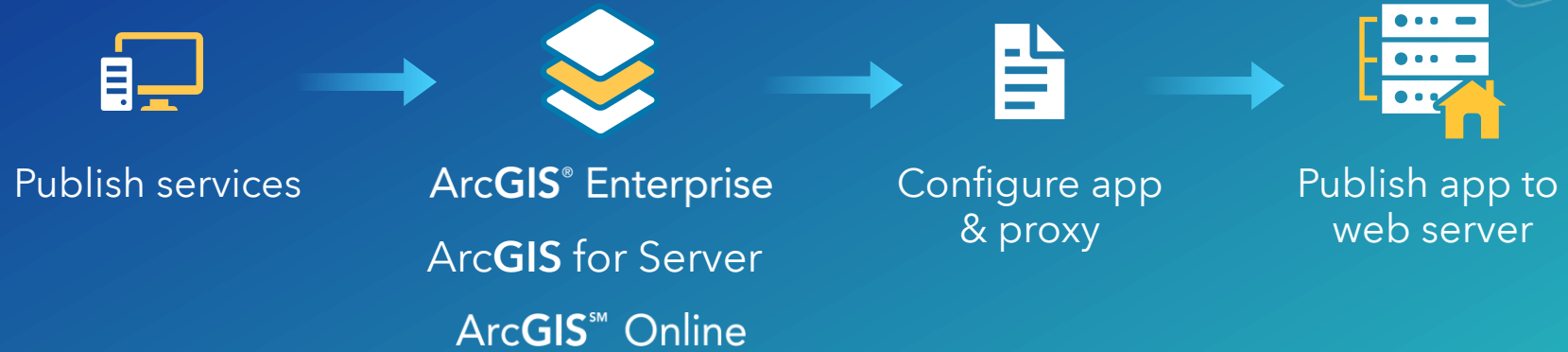
821107041	Occupant	1005 School St	Lisle	IL	60532
821107027	Occupant	6535 Fernwood Dr	Lisle	IL	60532

0821107038  
Hannemann Eric & Megan  
6547 Fernwood Dr  
Lisle IL 60532

821107041	Lisle-woodridge Fire	null	1005 School St	Lisle	IL	60532
821107027	Fiala Brian & Theresa	null	6535 Fernwood Dr	Lisle	IL	60532



# Recap...





# Coming Soon

- New version of the Public Notification app
  - Web AppBuilder for ArcGIS

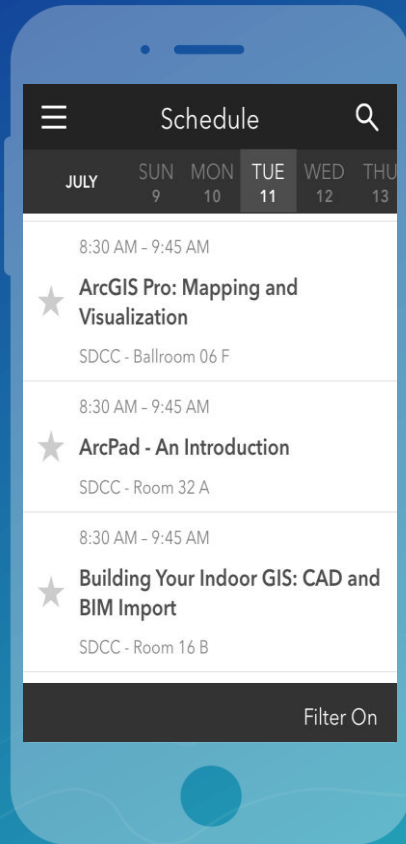


# Please Take Our Survey on the Esri Events App!

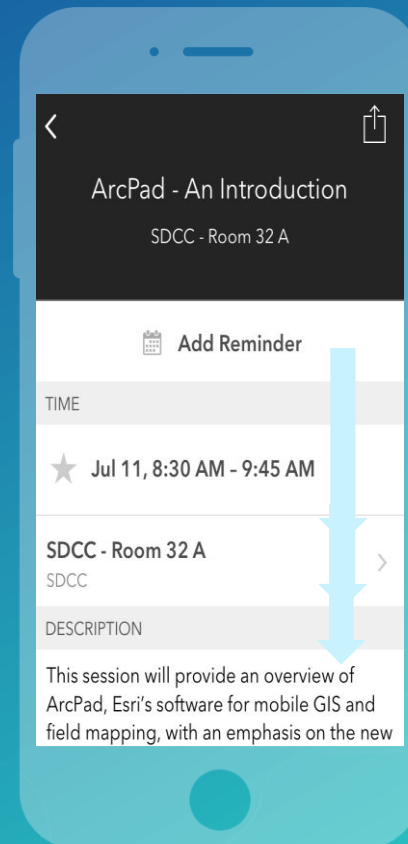
Download the Esri Events app and find your event



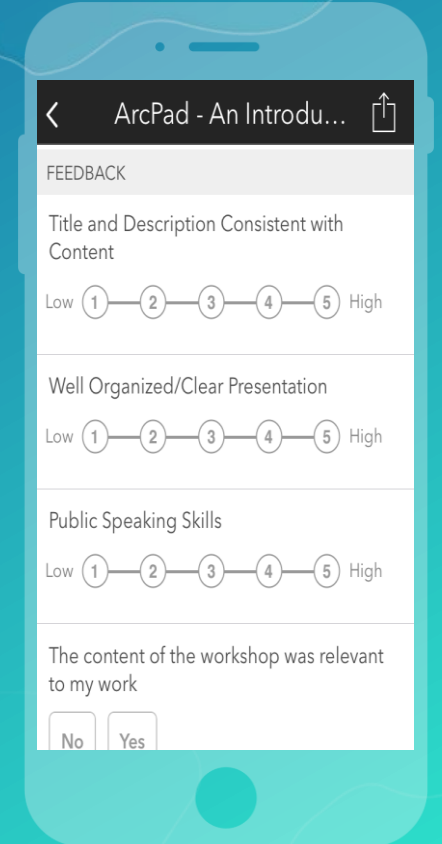
Select the session you attended



Scroll down to find the survey



Complete Answers and Select "Submit"





# Thank you

Be innovative, aware, and know you are not alone

-  <http://solutions.arcgis.com/#Local-Government>
-  <http://meetup.com/ArcGIS-for-Local-Government/>
-  [@ArcGISLocalGov](https://twitter.com/ArcGISLocalGov)
-  <http://esri.github.com>





esri

THE  
SCIENCE  
OF  
WHERE