

**From:**

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**Subject:**

Interactive Map of Election Districts in Wisconsin

**Date:**

June 20, 2022

## Audience

State Elections Staff, Municipal Clerks, County Clerks

## Intention

To create a webmap that displays the current voting districts in Wisconsin since redistricting occurred earlier this year. Congressional, State Assembly, State Assembly, County Supervisor and Aldermanic Districts all were updated as part of redistricting, as well as the wards that comprise them. This webmap will also display other districts such as schools and judicial districts that have elections.

The goal is also to allow users to zoom to particular areas of the map depending on where their focus is, and it will help the user to see how various districts interact with each other to give an idea of the smallest possible ballot areas. The goal is to have a user friendly way to see the result of the redistricting changes that have taken place and allow election officials to quickly see which districts are in their particular communities.

## Geographic Extent

State of Wisconsin, with ability to display data at the county and municipal levels as well.

## Deliverables

The final product will be a web-based, responsive map that works on mobile devices and can be eventually inserted into the state's voter registration system.

## Budget

150 hours of planning and development, debugging, and user testing.

## Technology & Extraneous Costs

The data used has already been collected as part of regular maintenance for the state's voter registration system. A few of the districts will need to be converted into GIS data format from tabular legal descriptions.

The technology used will be ArcGIS Javascript API and ArcGIS Online. We already use ArcGIS Online for geocoding and storage at the Elections Commission, so no immediate costs will be incurred, but some additional costs may be necessary for ongoing storage needs once the project is completed.

## Product Development & Delivery

The product will initially be created on GitHub as a repository for testing purposes, but it will eventually be hosted within the state's voter registration system for use by local clerks and staff election staff.

## Timeline

### **Week 1: 6/20 – 6/26**

- Design wireframe model and create a basic view of the webmap for elevator pitch demo
- Create Elevator Pitch, create on video and upload

### **Week 2: 6/27 – 7/4**

- Produce a basic, beta-version of the webmap with initial few district examples
- Design a test plan and create questions for users to answer
- Complete peer-reviews

### **Week 3: 7/5 – 7/11**

- Finish gathering and creating district data
- Upload data to database and place data layers on map
- Research on more complicated functions

### **Week 4: 7/12 – 7/18**

- Customize data user interface
- Add search function and other basic navigation tools

**Week 5: 7/19 – 7/25**

- Add additional tool functions and work on overall layout
- Begin user testing

**Week 6: 7/26 – 8/1**

- Continue with user testing
- Start debugging and fixing user issues
- Continue working on additional functions

**Week 6: 8/2 – 8/8**

- Finalize functions
- Finalize text and symbology

**Week 6: 8/9 – 8/15**

- Finalize overall look and layout
- Final debugging
- Record and submit Final Demo

**Week 7: 8/16 – 8/22**

- Complete Executive Report and Summary