

WISE-LR

Wisconsin's Local Redistricting Software



Legislative Technology Services Bureau

Zach Robinson

GIS Analyst & Outreach Coordinator

What is WISE-LR?

- In the State of Wisconsin, the Legislative Technology Services Bureau (LTSB) is responsible for providing technology and making the census data available for local redistricting.
- The local redistricting application, called **WISE-LR (Wisconsin Shape Editor for Local Redistricting)** is developed in-house by LTSB.
 - WISE-LR is a custom designed **web application** developed specifically for the state statutes of Wisconsin and local redistricting laws in 2021.
 - WISE-LR allows local officials, or their delegates, to create, analyze, and share **county supervisory plans, municipal ward plans, and aldermanic plans** with accurate demographic data.
- WISE-LR is built within the WISE-Decade suite of tools that has been utilized by all 72 Wisconsin counties for several years through varying data collection processes.
 - It does not require any downloaded data or purchased software.
 - All that is needed is a computer with internet access.

WISE-LR Overview

- **WISE-LR Administrator**
 - Guides you through the stages and timeline of local redistricting and oversee the processes that require input from various jurisdictions.
 - Confirm Block Lines and create Supervisory Districts, Municipal Wards, and Aldermanic Districts.
- **WISE-LR Editor**
 - Map-portion that is accessed through each plan phase and is used to geographically create the new plan boundaries.
- The WISE-LR user interface is where both the WISE-LR Administrator and WISE-LR Editor are accessed.

Logging into WISE-LR

- Username for every user is your county name
 - e.g. “Dane”, “Iowa”, “Eau_Claire”
- Normal WISE-Decade Password
 - Allows access to entire WISE-Decade platform
 - Sent to County Clerk, LIO, & their designees twice a year for BAS/Ward, Parcel, Foundational layer collections.
- WISE-LR Only Password
 - Only allows access to the WISE-LR system
 - Send to Municipal users, or any County user outside of the County Clerk and LIO. This is to ensure that only designated county officials may change or submit to unrelated programs.

WISE-Decade 2.0 Login Page

The WISE-Decade platform is a suite of mapping tools developed to assist counties and municipalities with legislative and legal requirements mandated by Wisconsin state law.

Login to WISE-Decade

Enter your username and password:

Sign in!

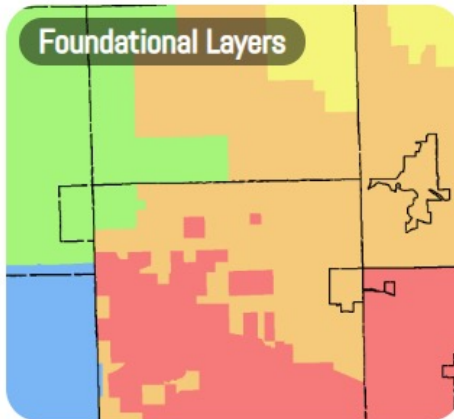
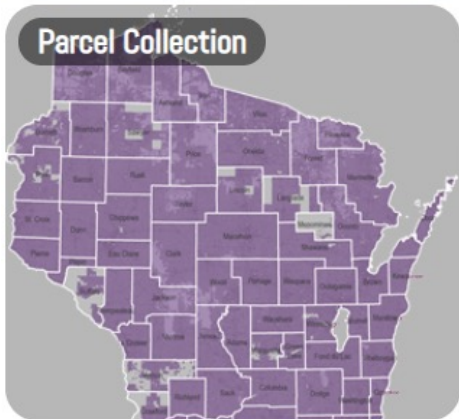
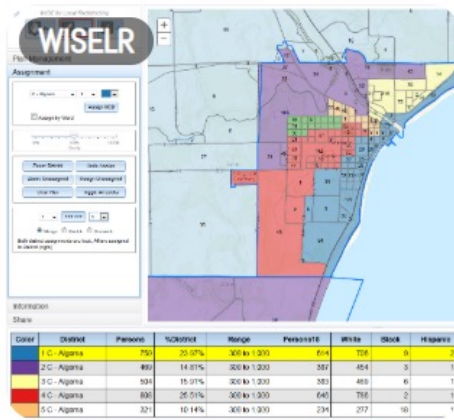
v. 1.0.0.178

Compatible with IE 10+, Firefox 28+, Chrome 33+

Legislative Technology Services Bureau (LTSB) Announcements:

WISE-Decade and WISE-LR URL

<https://wisedecade.legis.wisconsin.gov>



0 Confirm Block Lines

Status: In Progress

Start Date: 3/10/2020
Due Date: ASAP

1 Supervisory Districts

Status: Pending Stage 0

Start Date: 3/10/2020
Due Date: 5/9/2020

2 Municipal Wards

Status: Pending Stage 1

Tentative Start Date: 5/9/2020
Tentative Due Date: 7/8/2020

3 Reconciliation

Status: Pending Stage 2

Tentative Start Date: 7/8/2020
Tentative Due Date: 9/6/2020

A Aldermanic Districts

Status: Pending Stage 3

Stage 0: Confirm Block Boundaries

The County Land Information Officer (LIO) must confirm the final U.S. Census block geometry before redistricting tools will be released.

[Census Blocks Viewer](#)

(Read-only viewer)

- The 60 day clock for Stage 1 begins NOW. No other plans can be drawn until the LIO has confirmed their blocks.
 - Therefore, the longer it takes the LIO to review, edit (if they choose) and CONFIRM the final geography of the blocks, the less time there is for the drafting of Supervisory Districts in Stage 1.
- Per Wisconsin State Statute: If a block is affected by an annexation or detachment which establishes a municipal boundary that subdivides the block, the municipalities in which the block is contained shall incorporate only the portion of the block contained within their boundaries in their division ordinances or resolutions. [\[Section 5.15 \(2\)\(g\)\]](#)

LIOs may use the Stage 0 "Split Blocks" function to split the U.S. Census Blocks to correct any majorly egregious boundary corrections or update any missing annexations, which ideally will have only occurred between the January 2020 BAS submission and the Census' final April 1, 2021 delivery of the PL 94-171 block population geography and numbers.

- This stage is NOT meant for correcting minor geographic conflation errors.
- Counties that wish to split a block for any reason other than a change in municipal boundary should contact LTSB directly.
- Any annexations that have occurred prior to redistricting should be addressed only at this time.
- Be advised that once the LIO confirms the block geography THIS DATA IS LOCKED.

On rare occasions, census blocks can be split in the middle of the redistricting process. Reopening Stage 0 will interrupt services so that no other users in the county can use the system during that time. Stage 0 should only be reopened for the following reasons:

- An annexation occurred after the start of redistricting
- Balance Aldermanic District [\[Section 5.15 \(2\)\(c\)\]](#)
- Balance Supervisory District
 - [\[Section 59.10 \(2\)\(a\)\] - Milwaukee](#)
 - [\[Section 59.10 \(3\)\(b\)1\] - Other Counties](#)

Municipal Boundaries from most recent BAS Submission

[Initiate Split](#) Use BAS Submission municipal boundaries to split the 2020 US Census Blocks

Most Recent BAS Submission: 1/29/2020 2:15:48 PM
Block Split Last Initiated On: 3/10/2020 1:06:33 PM
Current Status: PENDING

[Review & Confirm Split Blocks](#)

Process Initiated. Your LIO will receive an email when the processing has been completed.

Confirm Block Boundaries

LIO Confirmation Code:

[Confirm](#)

WISE-LR Administrator

Admin Console:

- Five potential stages of local redistricting
- Includes status and specific deadline for each stage

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LIO Confirmation Code:



[Confirm](#)

Stage 1: Tentative Supervisory District Plan

- A **Supervisory District plan** is created by grouping **US Census blocks** together.
- During Stage 1, counties have a maximum of **60 days** to create a tentative Supervisory District plan.

0
Confirm Block Lines

Status: Complete

Start Date: 3/10/2020
Completed Date: 3/10/2020

1
Supervisory Districts

Status: In Progress

Start Date: 3/10/2020
Due Date: 5/9/2020

2
Municipal Wards

Status: Pending Stage 1

Tentative Start Date: 5/9/2020
Tentative Due Date: 7/8/2020

3
Reconciliation

Status: Pending Stage 2

Tentative Start Date: 7/8/2020
Tentative Due Date: 9/6/2020

A
Aldermanic Districts

Status: Pending Stage 3

Stage 1: Tentative Supervisory District Plan

During stage 1, counties have a maximum of 60 days to create a tentative Supervisory District plan.

- A Supervisory District plan is created by grouping US Census blocks together [Section 59.10(3)(b)1]
- Municipalities must create wards entirely within a single Supervisory District.
- Supervisory Districts must be contiguous and "substantially equal in population" [Section 59.10(2)(a)]
- Multiple plans may be created, but only one final plan can be submitted.

The county board is required to submit a tentative county supervisory district plan to each municipal governing body in the county. The county board is required to hold a public hearing on the tentative plan. If a municipality needs to be divided and placed in more than one supervisory district, the board is to indicate the approximate location of the territory from which a ward is sought and the approximate population of the ward.

Total County Population: 16,157
Maximum Number of Supervisors: 21
[Section 59.10(3)(a)]

Create New or Load Existing Plan

--New Plan--

Create New Plan

New Plans Remaining: 200

Plan Name:

New Plan Name Here

District Count:

21

(This number may be changed later)

Email Address:

myemail@work.com

Plan Password:

Confirm Plan Password:

Start with:

--Currently Enacted Plan--

Create

Stage 2: Municipal Ward Plans

0 Confirm Block Lines

Status: Complete

Start Date: 2/17/2020
Completed Date: 2/17/2020

1 Supervisory Districts

Status: Complete

Start Date: 2/17/2020
Completed Date: 2/17/2020

2 Municipal Wards

Status: In Progress

Start Date: 2/17/2020
Due Date: 4/17/2020

3 Reconciliation

Status: Pending Stage 2

Tentative Start Date: 4/17/2020
Tentative Due Date: 6/16/2020

A Aldermanic Districts

Status: Pending Stage 3

Stage 2: Municipal Ward Plans

During Stage 2, municipalities with over 1,000 people have a maximum of 60 days following the receipt of the proposed county supervisory district to create their ward boundaries.

[County-Wide Map Viewer](#)

- Wards must be entirely within a single supervisory district.
- Although municipalities are encouraged to try to fit their wards within the supervisory districts given to them (from Stage 1), municipalities can disagree and submit their own plan(s).
- Wisconsin State statutes dictates that the range of the allowable population within each ward is based on the total population of the municipality. This is built into the drawing tool. [\[Section 5.15\(2\)\(b\)\]](#)
- Wards must reflect changes in population: [\[Section 5.15\(1\)\(a\)3\]](#), changes in minority population: [\[Section 5.15\(1\)\(a\)2\]](#), changes in municipal boundaries: [\[Section 5.15\(1\)\(b\), \(2\)\(f\)\]](#), and facilitate the creation of aldermanic districts of equal population [\[Section 5.15\(2\)\(bm\)\]](#).
- In 'Stage 3: Reconciliation', municipalities and counties will have the opportunity to reconcile any conflicting boundaries that would cause a ward to be divided into multiple supervisory districts. [\[Section 59.10\(3\)\(b\)2\]](#)

Select Municipality:

ALBION, Town of

Create New or Load Existing Plan

--New Plan--

Create New Plan

New Plans Remaining: 68

Plan Name:

District Count:

5

(This number may be changed later)

Email:

Plan Password:

Kewaunee County: 7 of 14 municipalities have an approved plan, or a population less than 1,000 persons.

Municipality Status:

- ☐ View Required Only
☐ View Incomplete Only

KEY: Incomplete Complete Not Required

AHNAPEE, Town of

Approved On:
Approved By:
Ordinance/Legal ID:

ALGOMA, City of

Approved On: Tuesday, February 18, 2020
Approved By: Mrs. Peacock (email@organization.gov)
Ordinance/Legal ID: ABC-123

[View Plan](#)

CARLTON, Town of

Approved On: Tuesday, February 18, 2020
Approved By: Professor Plum (name@organization.gov)
Ordinance/Legal ID: ABC-123

[View Plan](#)

CASCO, Town of

Approved On:
Approved By:
Ordinance/Legal ID:

CASCO, Village of

Approved On:
Approved By:
Ordinance/Legal ID:

Stage 2 will end automatically when the last required municipality has confirmed their ward plan.
Aldermanic Districts may be drawn at any time once a municipal ward plan has been approved. However, it is recommended that Aldermanic Districts are created after Stage 3: Reconciliation.

Stage 3: Reconciliation

0
Confirm Block Lines

Status: Complete

Start Date: 2/18/2020
Completed Date: 2/18/2020

1
Supervisory Districts

Status: In Reconciliation

Start Date: 2/18/2020
Completed Date: 2/18/2020

2
Municipal Wards

Status: In Reconciliation

Start Date: 2/18/2020
Completed Date: 2/18/2020

3
Reconciliation

Status: In Progress

Start Date: 2/18/2020
Due Date: 4/18/2020

A
Aldermanic Districts

Status: Pending Stage 3

Stage 3: Reconciliation of the Supervisory Districts and Municipal Wards

The third 60-day stage requires counties to adopt final supervisory district plans and cities to establish aldermanic district plans.

[County-Wide Map Viewer](#)

- If an approved municipal ward plan contains any ward that is not entirely within a single supervisory district of the plan approved in stage 2, then that municipality will be shown as "invalid" below. Municipal wards must nest within County Supervisory Districts.
- To correct conflicts between the supervisory districts and municipal wards, either return to 'Stage 1: Supervisory Districts' to confirm a new Supervisory District Plan or 'Stage 2: Municipal Wards' to confirm a new ward plan. When all confirmed municipal wards nest properly within the approved county supervisory district plan, the County Clerk may submit the final version of the wards to the State Legislature by entering their confirmation code.
- Aldermanic Districts may be drawn at any time once a municipal ward plan has been approved. However, it is recommended that Aldermanic Districts are created after Stage 3: Reconciliation.

Kewaunee County: 13 of 14 municipal ward plans are valid with approved supervisory plan

KEY: Invalid Valid

LUXEMBURG, Town of

Approved On: Tuesday, February 18, 2020
Approved By: Mrs. White (white@organization.gov)
Ordinance/Legal ID: 123-XYZ

[View Plan](#)

LUXEMBURG, Village of

Approved On: Tuesday, February 18, 2020
Approved By: Colonel Mustard (mustard@organization.gov)
Ordinance/Legal ID: ABC-123

[View Plan](#)

MONTPELIER, Town of

Approved On: Tuesday, February 18, 2020
Approved By: Rose Nylund (rose@organization.gov)
Ordinance/Legal ID: XYZ-456

[View Plan](#)

PIERCE, Town of

Approved On:
Approved By:
Ordinance/Legal ID:

RED RIVER, Town of

Approved On: Tuesday, February 18, 2020
Approved By: Blanche Devereaux (blanche@org.gov)
Ordinance/Legal ID: XYZ-789

[View Plan](#)

Confirm Final Boundaries

County Clerk Confirmation Code:

Confirm Final Plans

Stage A: Aldermanic Districts

0
Confirm Block Lines
Status: Complete
Start Date: 2/18/2020
Completed Date: 2/18/2020

1
Supervisory Districts
Status: Complete
Start Date: 2/18/2020
Completed Date: 2/18/2020

2
Municipal Wards
Status: Complete
Start Date: 2/18/2020
Completed Date: 2/18/2020

3
Reconciliation
Status: Complete
Start Date: 2/18/2020
Completed Date: 2/18/2020

A
Aldermanic Districts
Status: In Progress

Stage A: Aldermanic Plans
Aldermanic Districts are created by grouping confirmed municipal wards (from Stage 2).
County-Wide Map Viewer

- Aldermanic Districts may be drawn at any time once a municipal ward plan has been approved.
 - However, it is recommended that Aldermanic Districts are created after Stage 3: Reconciliation.
 - If a new version of municipal wards are confirmed, any aldermanic plans based on the prior wards may be invalid as well.
- Alteration of aldermanic districts (Section 62.08)

Select Municipality:
PIERCE, Town of

Create New or Load Existing Plan
--New Plan--

Create New Plan
New Plans Remaining: 87

Plan Name:

District Count:
10
(This number may be changed later)

Email:

Plan Password:

Confirm Plan Password:

Start with:
--Blank Plan--

Create

Confirmation Credentials – Confirming a Plan

- Provided by LTSB to LIO, County Clerk, and Municipal Clerks
 - Unique to that single individual
- Officially confirms Supervisory, Municipal and Aldermanic Plans once adopted, and verifies US Census Block Geography
 - Plan Ordinance or Legal ID required to confirm
 - Only the LIO's code will work to confirm block lines in Stage 0

Tentative Supervisory Plan: Brown County

Select Final Plan

Enter Ordinance/Legal ID:

Confirm Supervisory Plan

County Clerk Confirmation Code:

Confirm

Confirm Final Boundaries

County Clerk Confirmation Code:

Confirm Final Plans

Aldermanic Plan:
AHNAPEE, Town of

Select Final Aldermanic Plan

alderPlan

Enter Ordinance/Legal ID:

Approved By:

Name:

Email:

Confirm Aldermanic Plan

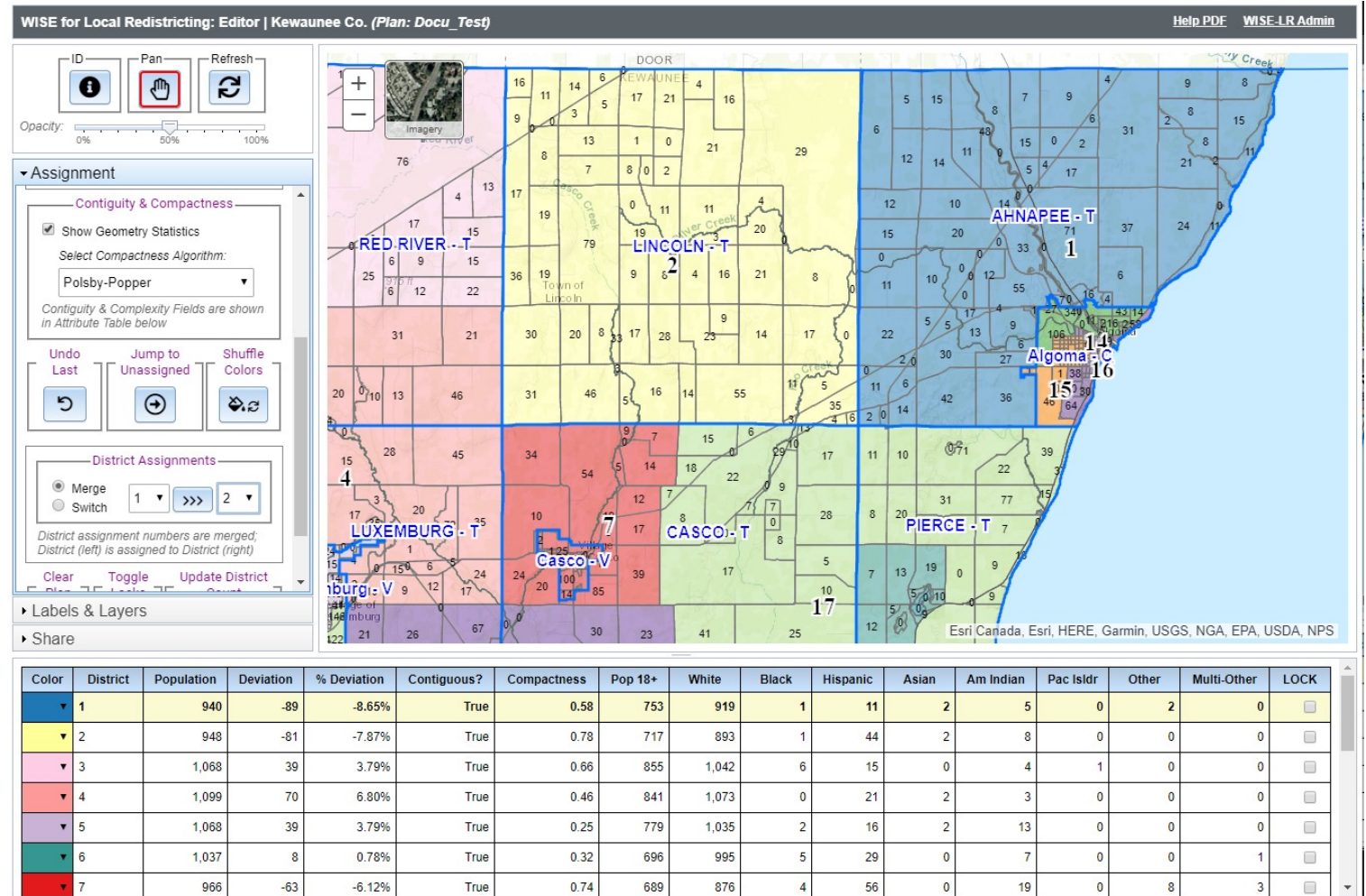
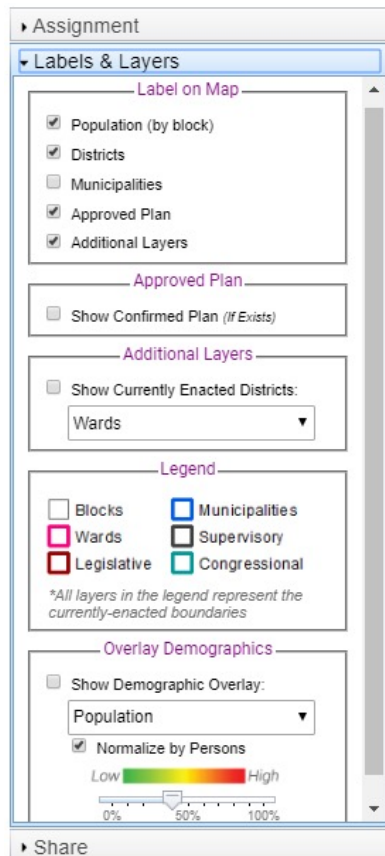
Municipal Clerk Confirmation Code:

Confirm Aldermanic Plan

WISE-LR Editor

WISE-LR Editor

- Mapping application where all plans are drawn



Sharing Plans

WISE-LR Editor

- Public Share URL
 - ✦ Only visible within WISE-LR to other county users if plan is SHARED
- Private Share URL
 - ✦ Distributes UNSHARED plans; always visible.
 - ✦ Anyone with access to this URL will be able to see your plan.
 - ✦ Be careful with how this is distributed.

WISE-LR Viewer

- What people see if they open a shared URL
- Share pane
 - ✦ Send an email to someone with the plan's data.

▶ Assignment

▶ Labels & Layers

▼ Share

Export/Import Plans

☒ Export
☐ Import

Select:
 Block List (.CSV)

Email Data


☐ Share Plan

Import Shared Plan

Select: --Currently Enacted Plan--


Import

Viewer URLs

Public Share:
 

<http://wisedecade-dev.legis.wisconsin.gov/>

(Only visible if plan is SHARED.)

Private Share:
 

<http://wisedecade-dev.legis.wisconsin.gov/>

(Distributes UNSHARED plans; always visible)

▼ Share

Export Plan

Export As:
 Block List (.CSV)

Recipient Email:
 test@email.com

Send

Contact Information

Election Questions

**Wisconsin Elections Commission
(WEC)**

elections@wi.gov

608-266-8005

U.S. Census Questions

Applied Population Lab (APL)

Dan Veroff

dlveroff@wisc.edu

608-265-9545

Redistricting Legal Services

**Legislative Reference Bureau
(LRB)**

Joe Kreye

Joseph.Kreye@legis.wisconsin.gov

608-504-5857

Redistricting Software

**Legislative Tech. Services Bureau
(LTSB)**

GIS Team

GIS@legis.wisconsin.gov

608-283-1830

Local Redistricting Training Recordings:
<https://legis.wisconsin.gov/ltsb/local-redistricting/>