Presentation to:
City of Ft. Worth
September 2020

EXECUTIVE BRIEFINGS
Esri Redistricting

Esri Redistricting

Bring clarity to the redistricting process

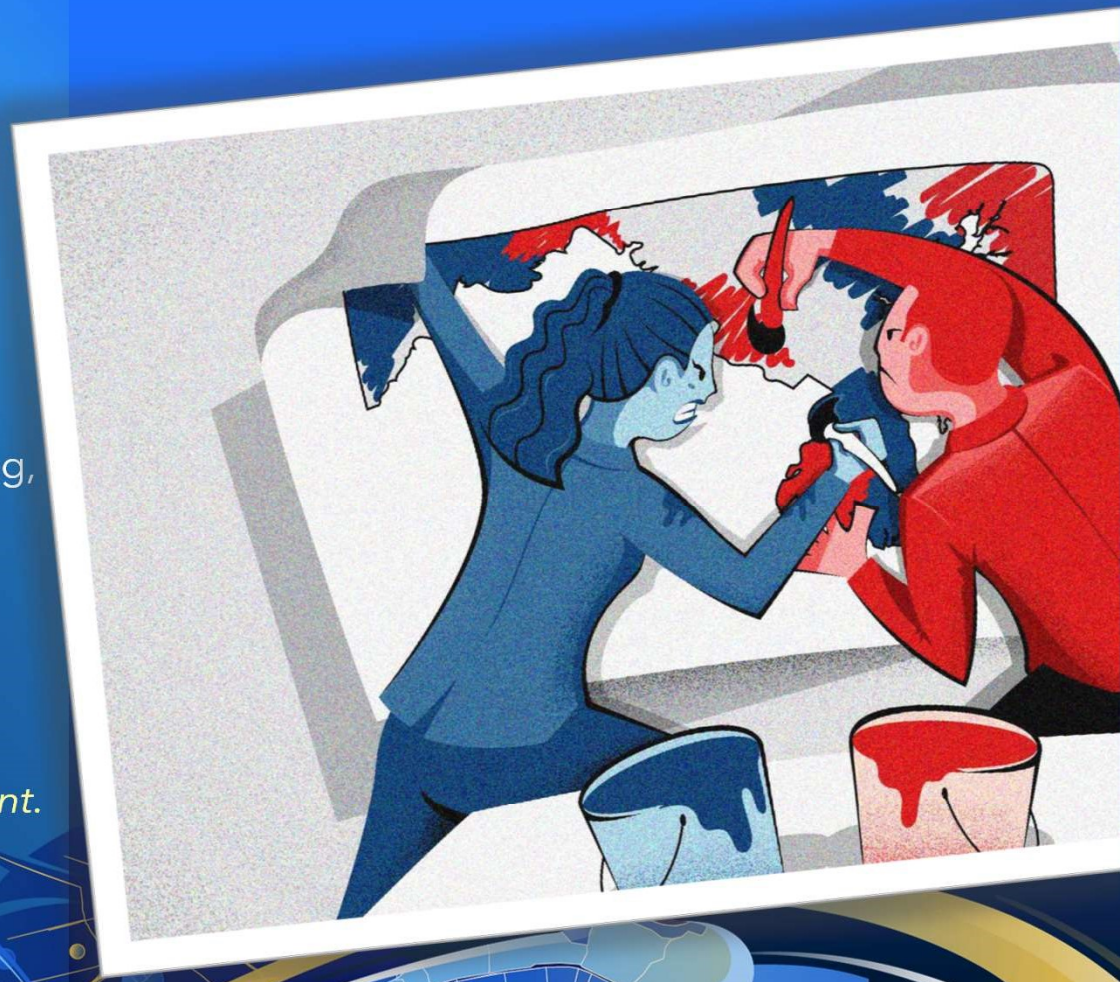
esri THE SCIENCE OF WHERE

Esri Redistricting is a web-based solution that *enables governments, advocates, and citizens* to complete and securely share compliant redistricting plans.

Esri Redistricting provides comprehensive tools for plan creation, management, visualization, editing, and collaboration.

Built-in tools check for common compliance blunders.

Online functionality allows *Openness, Transparency, and Citizen Engagement.*



Introductions

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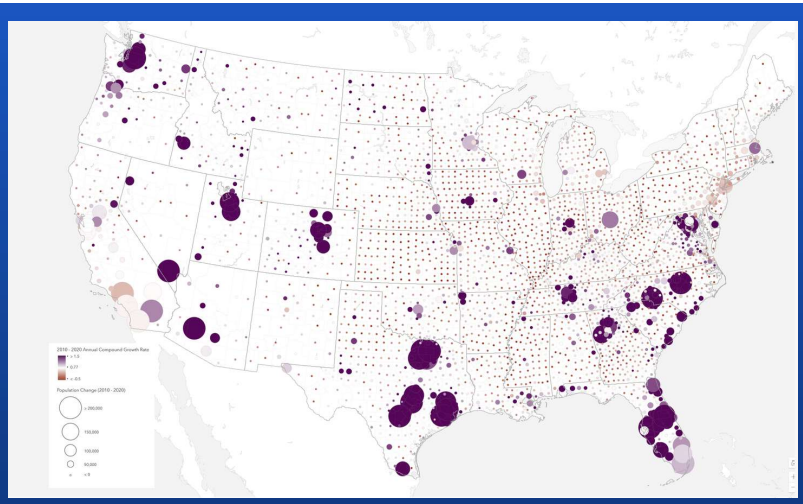
Redistricting Background *--Apportionment*

$$\text{State priority value to gain next seat} = \frac{\text{State population}}{\sqrt{\#\text{ of current seats held} \times (\#\text{ of current seats held}+1)}}$$



Population Estimates 2020 Esri Demographics

Seat	State	District	Gain or Loss by
432	Texas	39	145,623
433	Montana	2	5,286
434	Arizona	10	5,139
435	California	52	68,191
436	Minnesota	8	24,308
437	Ohio	16	148,371

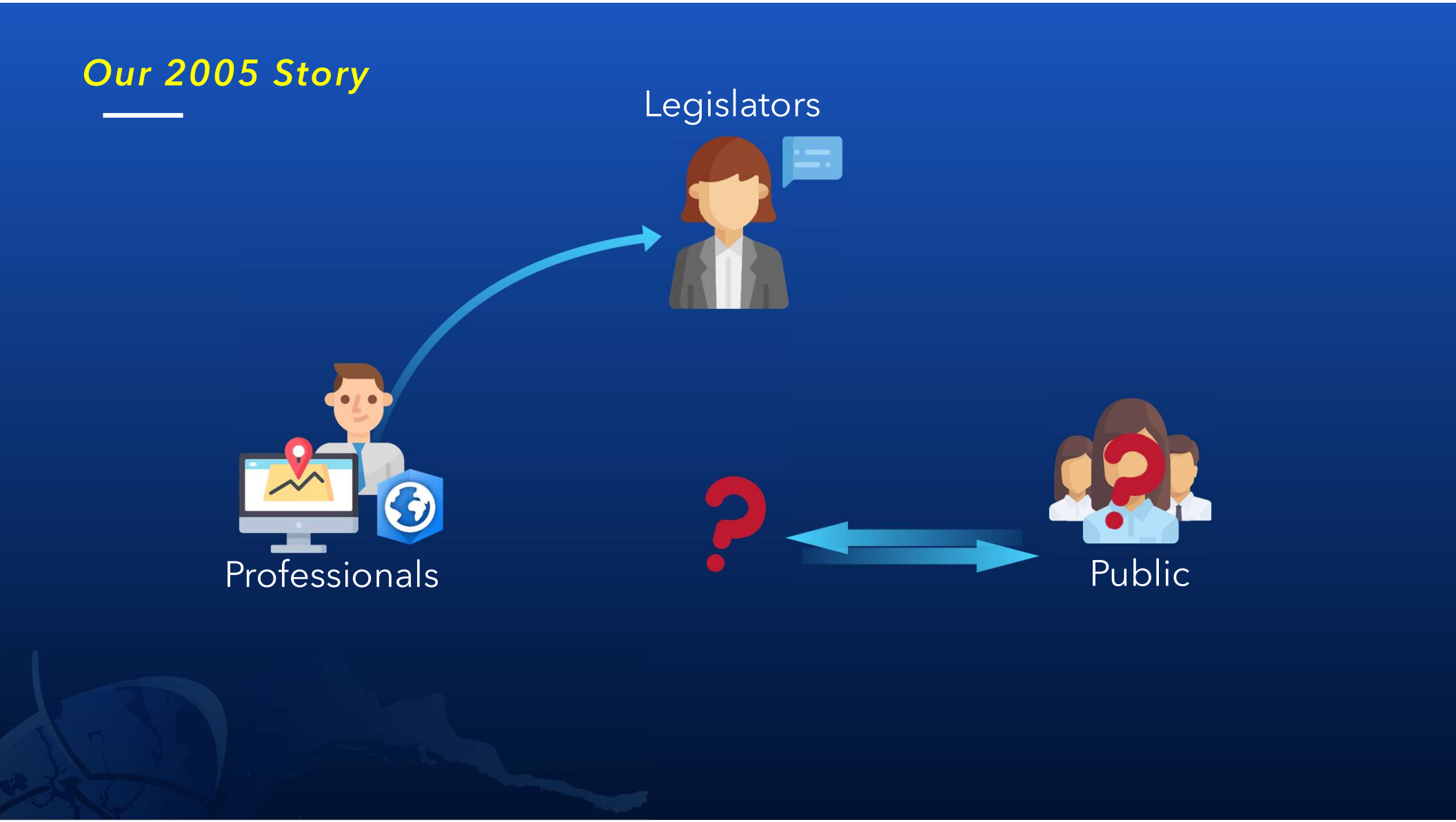
Reapportionment Calculation
2020 Esri Demographics

Redistricting Background

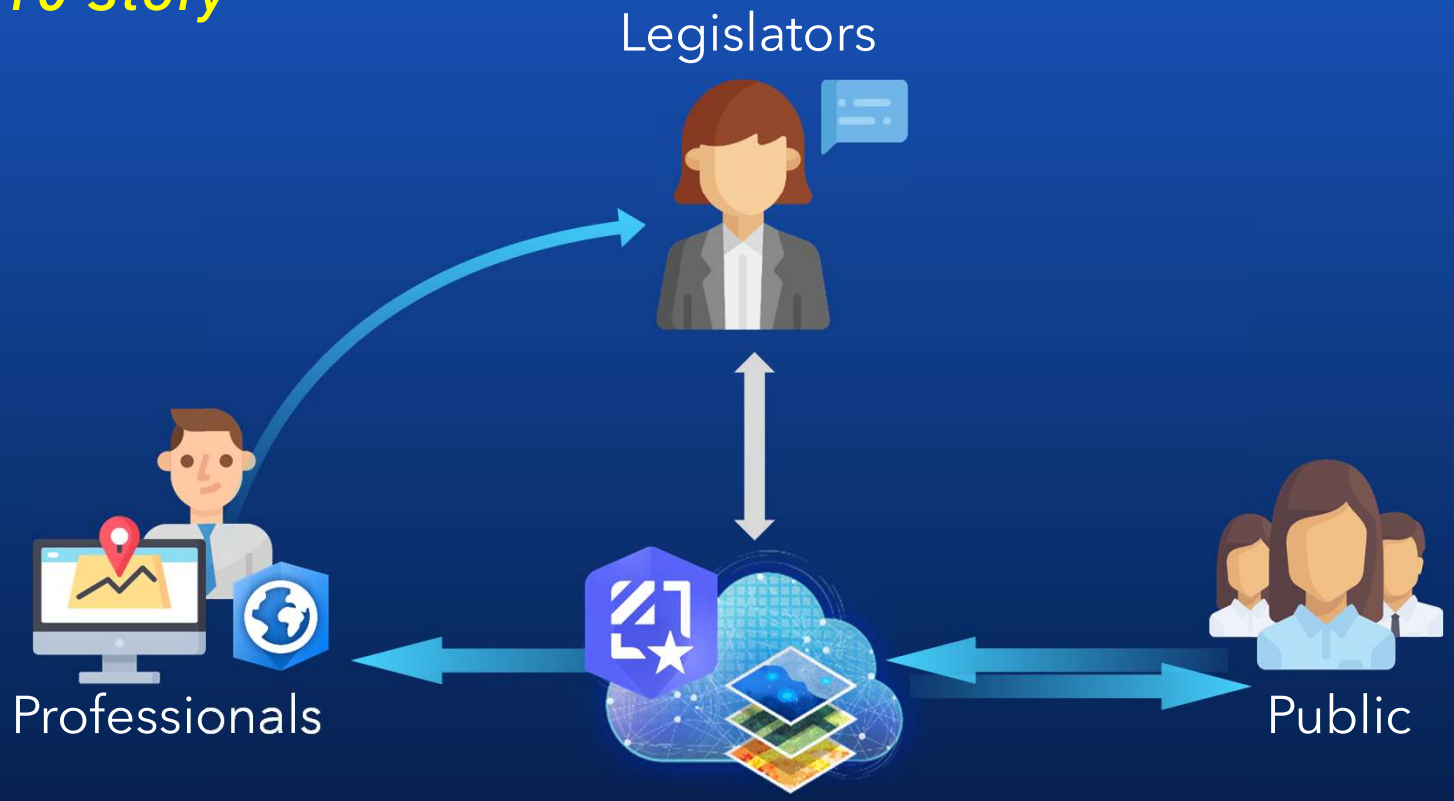
Some History:

1980's	*Highly Constrained*
1990's	**Tools available but cumbersome**
2000's	**Usability and some public involvement**
2010's	**Almost consumer-level**

Our 2005 Story



Our 2010 Story



- Provided via web browser
- Facilitates collaboration, sharing, and community building
- Easy to use interface reduces costs associated with training
- Minimal GIS experience required
- Centralized IT
- Cost effective way to provide access to citizens

Esri Redistricting

Increasing collaboration between government and citizens

Features Overview

Esri Redistricting

Data Sources

Plan Management

Collaboration

Data Sources

Esri Redistricting

- **Demographic Data** (Census PL 94-171)
  - 2000, 2010
  - 2020 (*as soon as it's available*)
- **Geographic Data** (TIGER/Line shapefiles)
  - County-Tract-Block Group-Block
  - County-Voting Districts (VTD)-Block
  - Place-Block
- **Overlay Data**
  - ArcGIS Online
  - Customer Data

United States® Census 2020

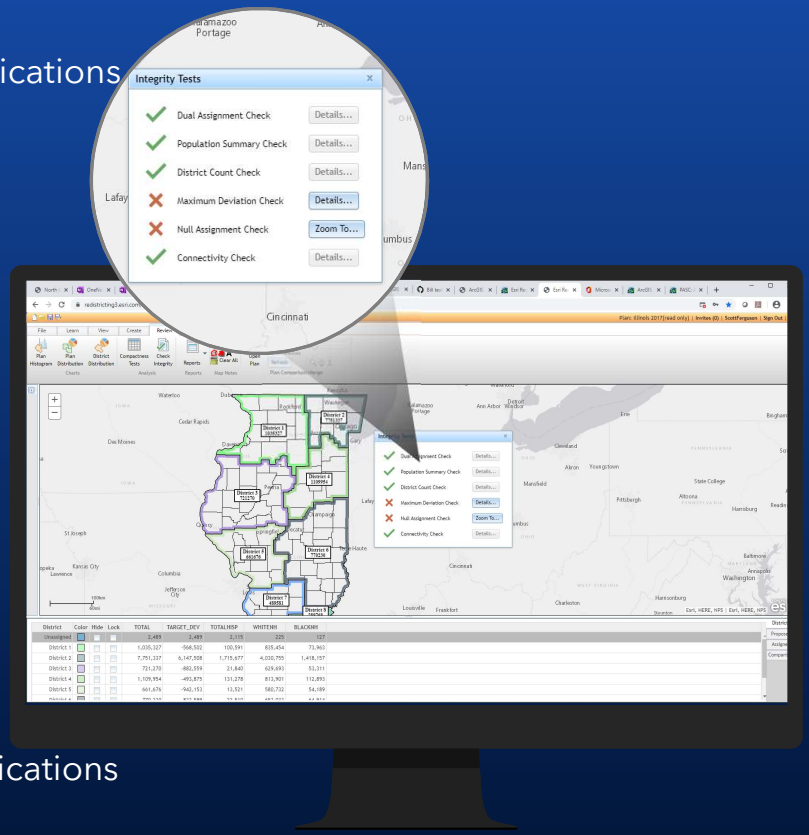
ArcGIS Online

Customer Data

Plan Management

Esri Redistricting

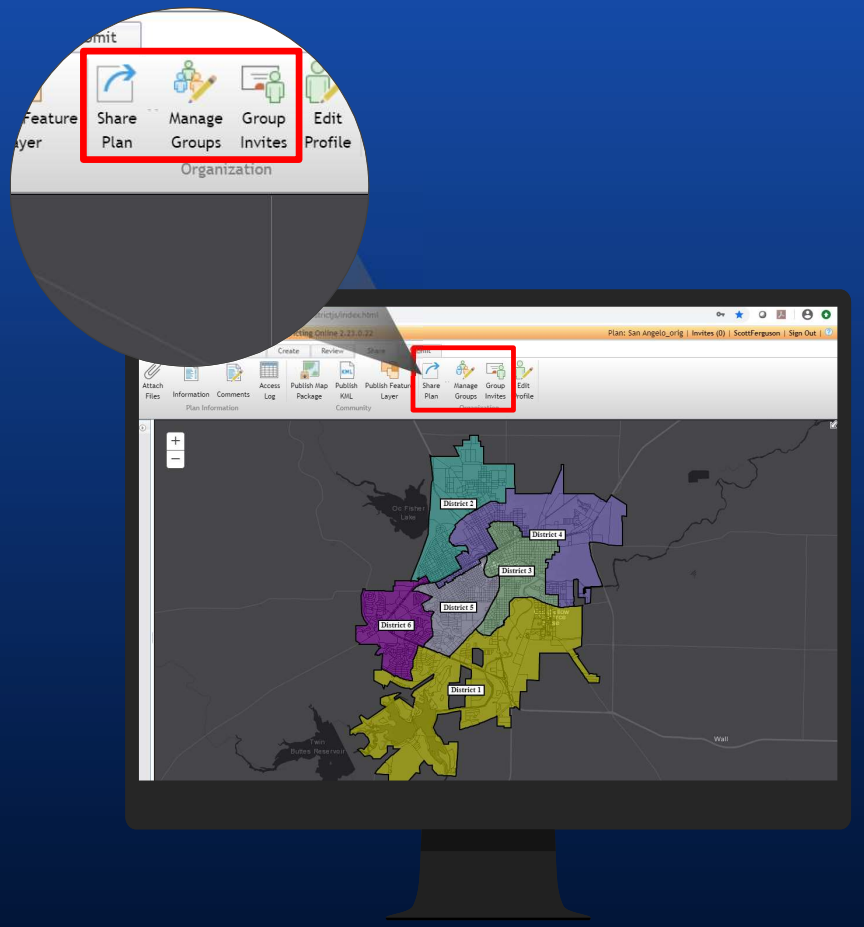
- **Creation**
  - Import block-level plans from all standard GIS and Redistricting applications
  - Build from seed plans or start from scratch
  - Build plans at the State, County or City level
- **Editing and Review**
  - Automatically test for common pitfalls or legislative requirements
  - Compare plan to existing and alternative plans
  - Interact with live charts showing plan and district distribution
- **Publishing and Use**
  - Generate reports based on your plan
  - Publish plans into common file formats
  - Export block-level plans from all standard GIS and Redistricting applications



Collaboration

Esri Redistricting

- Users with custom roles and groups (Citizens, Special Interest Groups, and Legislators)
- Share plans between groups
- Custom roles based on personas provides different UI/UX experience
- Submit finalized plans to group of final reviewers
- Markup and comment on plans
- See ‘Access Log’ to see who’s changed or viewed plans



Esri Redistricting Solutions

Managed Cloud Services

Esri-hosted redistricting

- ✓ Configured instance for organization
- ✓ Custom data packs + integrated customer data
- ✓ Add content from external ArcGIS services
- ✓ *All hosting components managed by Esri*
- ✓ Unlimited registered users

+

Public Participation

1

On-Premise

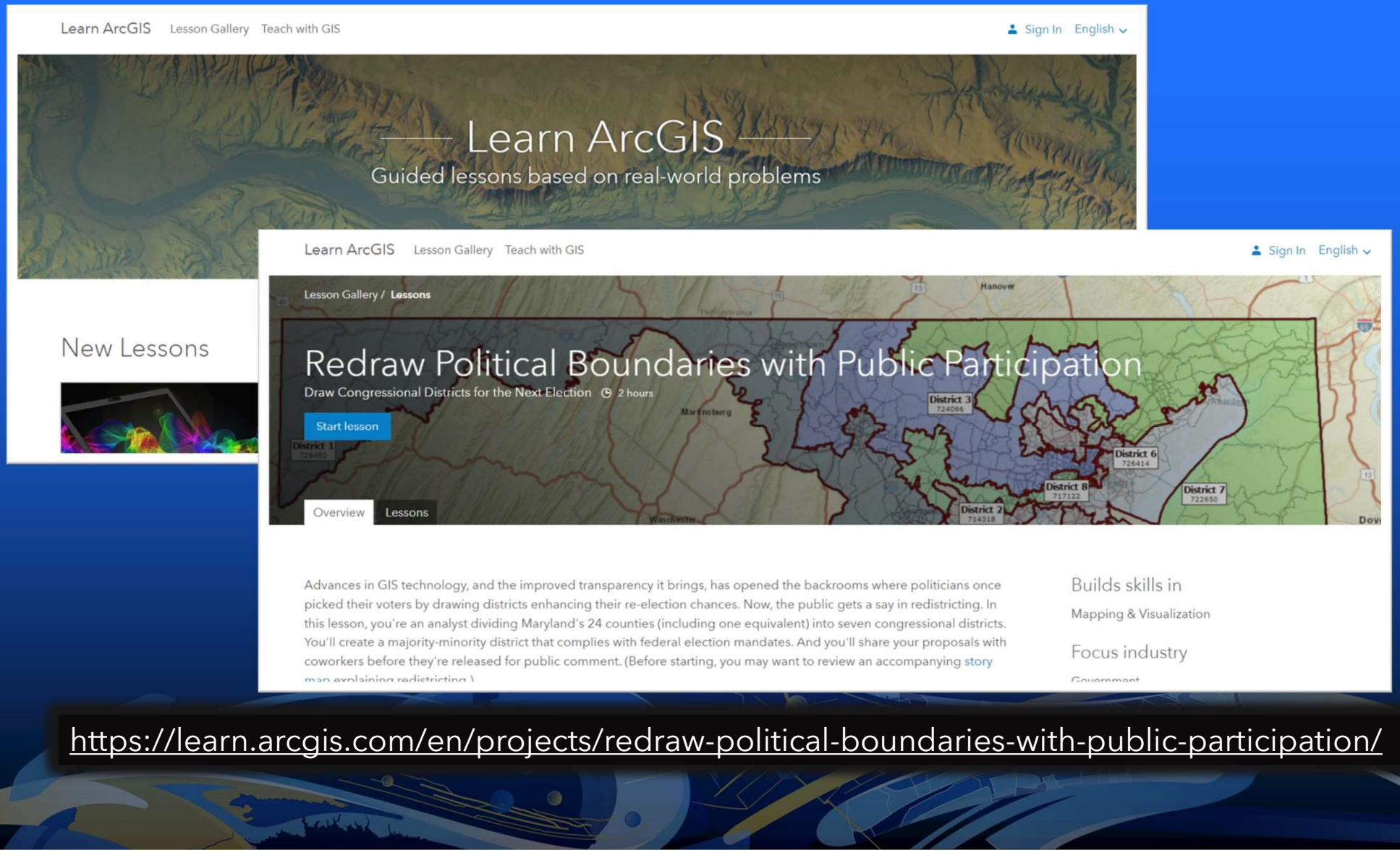
Deployed on-site

- ✓ Configured and installed behind firewall
- ✓ Custom data packs + integrated customer data
- ✓ Add content from external ArcGIS services
- ✓ *All hosting components managed by you*
- ✓ Unlimited registered users

+

Public Participation

2



https://learn.arcgis.com/en/projects/redraw-political-boundaries-with-public-participation/

Esri Redistricting: Case Study

Utah State Legislature Adds Citizen Input

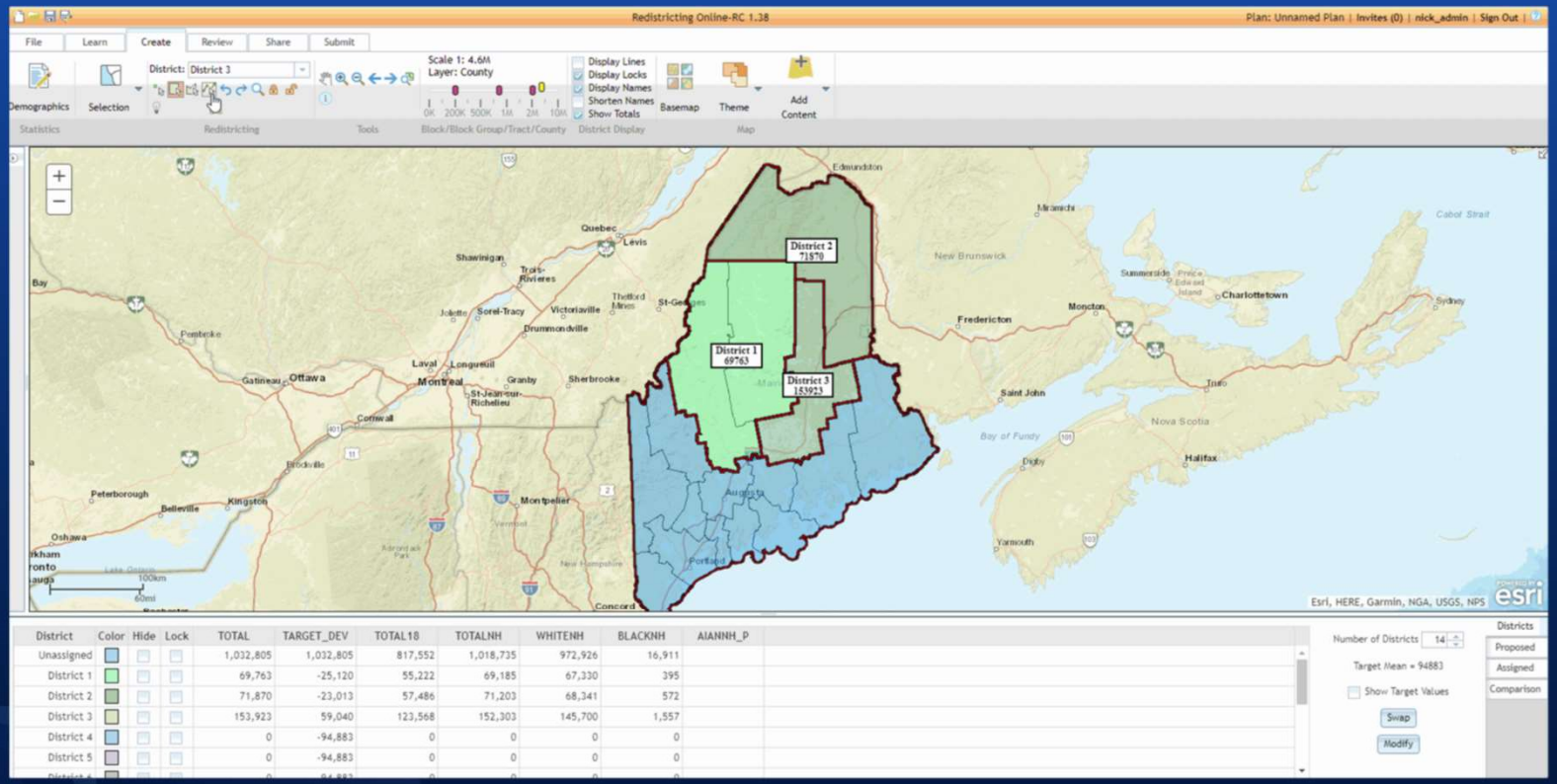
Utah State Legislature successfully implements Esri Redistricting for citizen involvement and draws districts based on constituent-made district maps.

Case Study Link

Key take-aways…

- **Why Utah chose Esri Redistricting**
  - Public engagement
  - Online interaction
  - Customizable
  - Cumbersome process
- **Utah implemented 3-pronged approach**
  - Esri Redistricting
  - Autobound extension for ArcGIS Desktop
  - Companion website
- **Utah guaranteed full transparency by:**
  - Media participation
  - Multiple public meetings
  - Software interaction during meetings
- **Utah's redistricting totals:**
  - Citizens registered = **1000**
  - Submitted plans = **323**
  - Met criteria = **271**

Esri Redistricting -- Demonstration



Key Messages

Esri Redistricting

Esri Redistricting is built on ArcGIS:

- ***Provides a web-based environment for creating and sharing plans***
- ***Collaborate on plans and engage your communities***
- ***Provide clarity in the redistricting process***
- ***Try it today: learn how to create plans now to get ready for next year***

Our Customers

States

Counties

Cities

Who is using Esri Redistricting?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THE SCIENCE OF WHERE®

How can our citizens engage in our Redistricting deployment?

Directly access Esri Redistricting app

Gain access via ArcGIS Hub

Host custom website landing page