

1 if you just wanted to show low, medium, high and then maybe
2 pick the natural break within the data, and you can do that
3 and see how it changes.

4 So anything with this color scheme that's in green,
5 it's a highly populated area of the "18 and over" crowd.

6 And then to remove, you can just clear the theme
7 and keep going with your district assignments.

8 Here is adding content. So in this left-hand --
9 left side window, you can search for an address in the
10 place. You can search ArcGIS Online. If you have an ArcGIS
11 Online organization that you're a member of, you can sign
12 into that organization and get access to your secured data.
13 If you have a Rest Service that you have in mind, a map
14 service or feature service, you can add that here as well.

15 Moving on to the "review." I'm going to turn on
16 the plan histogram and you can see that the demographic
17 variables that I've turned on in the district window also
18 show here.

19 So if I were interested in seeing the competitive
20 score to see the percent of the population that voted
21 Democrat, I can do that; if I wanted to see Republican, I
22 can do that as well; or Hispanic, I see that.

23 And the cool thing about these charts is that they
24 will update on the fly as you make district assignments.

25 So I'm going to go in and I'm going to say I want

1 to take orange district 4 and along this boundary, you know,
2 take some of District 1 and assign.

3 So I'm going to go ahead and say I want to include
4 these census blocs in District 4. On the "proposed" you can
5 see what that would do. If I were to commit those changes
6 and actually assign them, you'll see that. That was such a
7 small selection, but the chart will update.

8 So to show you that on a grander scale, let's go
9 ahead and, at the county level, basically assign all of
10 Maricopa to District 4.

11 Let's see. There we go.

12 So it took a while because Maricopa has a ton of
13 census blocs in there. So I'm going to go ahead and you can
14 see down here what actually would change if I were to commit
15 all of the blue highlighted ones. That District 4 would
16 gain 3.3 million people. You can see that, you know, of
17 those 1.1 million the total Hispanic population count, you
18 can see how that would be adjusted, the African American
19 community; any variable that you add on here.

20 And then let's say I do want to assign those
21 selections. And then obviously because that was such a
22 large change, it would obviously show different on this plan
23 histogram.

24 So I committed that change, but let's say I don't
25 want to; I didn't want to do that. So I'm going to undo

1 that change and the -- the original change that I made as
2 well.

3 Because I have made this grid map to -- to so close
4 of the deviation, when I go to check the integrity, once you
5 click that button it's off and running and it's going to
6 pass.

7 But I'm going to show you what you could expect if
8 you were dealing with a plan in progress and it didn't match
9 something.

10 So I'm going to go in here and I'm going to create.
11 I'm going to assign a geography to District 4, and at this
12 scale I'm going to take these entire counties and assign
13 them to District 4. So you can see the proposed change.

14 And I'm going to commit those.

15 So what I just did is I created a -- I have
16 District 4 but on separate sides of the state, so it's
17 indicating that it's not connected. And I believe with that
18 change it's going to take me over the target deviation
19 that's allowed.

20 So if I wanted to check the integrity again, I'm
21 going to start to get some errors.

22 And then there is feedback. So if you click
23 "details," it will say that exactly what -- what is allowed.
24 So the 5 percent plus or minus of four districts, so total
25 population divided by 49, that's 89- -- I have to get it

1 within 89,000.

2 You can see that District 4 is -- is over now by a
3 hundred and -- or, 152,000 is the total, but it's over by
4 that much; and then District 2 is under by 113,000.

5 So I would need to change that before I
6 successfully commit this plan.

7 Next is the connectivity check. This is really
8 useful on catching maybe census blocs really close, zoomed
9 in level to the map. It would appear to be connected, but
10 you might have a sliver of a road network that would
11 actually separate.

12 So here I have essentially two parts indicated for
13 District 2 and District 4.

14 This is again going to be useful on finding those
15 discontiguous parts at more of a closer level.

16 So what I can do now to demonstrate that is I'm
17 going to undo those assignments and I'm going to zoom on in
18 to -- oh, let's see -- to this census -- to this group of
19 census blocs.

20 And I am going to say I want to assign District 1,
21 these geographies to District 1; and I am going to turn off
22 two-stage selection and turn on -- and by default one stage
23 would be enabled; and I'm going to grab all of these -- oh.

24 I'm going to undo that because "county" was still
25 selected. I'm going to change it "automatic," so it now

1 it's going to be wherever the yellow tick is at, so now I am
2 selecting at the census bloc level.

3 So I am going to grab these blocs, make them
4 District 1.

5 You can visually see right now there is a
6 difference; it's not connected. If I even zoom in here,
7 you're going to see that it didn't grab this -- this census
8 bloc in my connection. So I can even, you know, click that,
9 make sure it does go within that assignment for District 1;
10 and then I can rerun the check, and it's going to show that
11 the connectivity check is going to fail.

12 And when I explore the details of that failure, I
13 can go to -- it will zoom directly in to the area that
14 needs -- needs review.

15 So if I were to then go back and say undo those
16 changes, those assignment changes and refresh, it's going to
17 have a blank because it will pass again.

18 So it's going to check by default again once you
19 exit the detail or zooming into any of these issue spots,
20 and you're ready to submit.

21 Before I do that, though, I guess one last thing I
22 want to show you is the reporting function.

23 So here are all those reports that you have
24 available to you by default.

25 So if I wanted to look at the voting age population

1 summary, I have these fields that are stored by default for
2 this report template; but if I wanted to, like, click and
3 remove some of these variables and go into "key election
4 data" and turn on those competitive analysis voting, I can
5 add those. I could choose to e-mail it to myself or in this
6 case I'm just going to generate the PDF of those four
7 districts.

8 Give it a second to render. Some reports take
9 longer to generate than others.

10 It looks like this one is done, and you're going to
11 see using the PDF option for the voting age population
12 report, a breakdown of the district number, you have the
13 total population count and percentage, the -- the voting age
14 population, all of the default ones; and then you can see
15 these last two columns here are the competitive analysis
16 variables that I manually indicated I wanted to be included
17 in the report.

18 So you can see a breakdown of how I drew
19 District 1, you know, it's -- it's fairly balanced on -- for
20 competitiveness.

21 Here -- let's see.

22 If I wanted to open up a plan, and then this is the
23 one I had used in the screenshots of the presentation where
24 I took District 3 and extended it north. I can look at
25 here's the plan that I'm working on; here's the compared

1 plan that I just brought in, and then show me all the
2 differences. So I can zoom in directly to see those
3 differences.

4 Currently in the selected district. So one thing
5 to take into account, I'm glad in this demo all the little
6 things are coming up so I can point them out, is I have
7 District 1 in here, and they're saying I have no differences
8 in District 1.

9 So if I wanted to choose District 3 and go over to
10 show me the differences within District 3, it's going to
11 zoom in and basically say this entire county is different in
12 the compared plan that you brought in than in the active
13 plan that you're currently working on.

14 And then when I want to bring in another plan to
15 compare to the active plan or just remove this, I can go to
16 "close plan" and you're back and running with your original.

17 If I wanted to share the plan, I have the ability
18 to share with everyone. And then you can choose "read only"
19 or "read and write" as far as access level. I would advise
20 to not share with everyone with read and write privileges,
21 because then it's not truly your submission and your input
22 into the redistricting process.

23 Everyone has the chance to create their own account
24 and continue working.

25 If you have a read-only version of the plan that

1 you want to be discoverable in this tool, you can certainly
2 share it with everyone; but my recommendation is if you're
3 working with potential constituents or you're -- you're
4 selected, you know, work group, that you create a group, add
5 those users after they've created an account to that group,
6 and then share appropriately just to that group of users so
7 that they can either see what you're doing or help you in
8 collaboration and edit the current plan.

9 And then once you're ready, you'll go through the
10 submission process.

11 So I'm going to go with, sure, I would like to save
12 the plan. I note that plan was saved, okay to submit.

13 It's going to run through the integrity check one
14 last time just to see if it made any changes, if that would
15 make it an invalid plan; and then once you're ready to go,
16 you'll be taken to the plan metadata, so the properties of
17 the plan where you can fill out your name, the organization,
18 an e-mail address, the plan name.

19 This is just what I mentioned earlier, that we're
20 going to -- the only thing we're going to modify is we're
21 going to keep the original plan name, but when it's
22 published to the hub it's going to have that IRC ID, and
23 there will be a way for you to cross reference so you can
24 see the plan that you submitted and then what the ID is.

25 And then you can also give it an explanation of

1 plan objective if you'd like; and then once you are ready,
2 you can go ahead and submit the plan. And then it's going
3 to verify that you -- you are actually ready to submit
4 because it's going to be final once you press "okay."

5 So then it's going to go through, submit the plan,
6 I would then expect to get an e-mail and see my plan within
7 one to two days on the hub.

8 And with that, that concludes my demo.

9 Let me switch over back to the presentation.

10 Just one thing that I want to leave you with are
11 some additional learning resources.

12 So here are links to a link that's coming soon, and
13 we found on the hub when it's ready is we are creating
14 training -- short training videos that are Arizona IRC
15 Redistricting System specific; but in that YouTube playlist
16 on the second bullet, those are Esri demos that are more
17 general.

18 So you may find some additional functionality or
19 different functionality that are shown in those videos. But
20 those are good references to -- to watch if you just want to
21 see quickly how to generally do something.

22 Then we have links to the Esri documentation, a
23 couple of blogs that will help you as -- if you're
24 interested in seeing what's new with the software, and then
25 a learn lesson down at the bottom where it's guided

1 step-by-step that is really helpful on getting you trained
2 and comfortable within the system.

3 And with that, I'll hand it back over to Mark.

4 MR. FLAHAN: All right, Brian. Appreciate all your
5 work on the training today.

6 Mr. Vice Chairman, that's all we -- we have for the
7 training for you. I'd pitch it back over to you unless you
8 have anything for us.

9 VICE CHAIR WATCHMAN: Well, let me ask
10 Commissioner Lerner if you have any questions.

11 I think if no, I'll move on.

12 So any questions, Commissioner Lerner?

13 COMMISSIONER LERNER: Thank you for the training.
14 I do have a couple of quick questions for you just as a
15 follow-up. The links that you had on your slide, obviously,
16 we can't -- I assume the slides will be posted so people can
17 actually access those links because obviously we couldn't do
18 that.

19 MR. KINGERY: Right.

20 COMMISSIONER LERNER: Okay. So we'll have those
21 links posted later today, the ones that were on that last
22 slide?

23 MR. KINGERY: Yep. So I can get with Mark and he
24 can send over so that they can be posted as I guess on the
25 YouTube live in the description or found also on the

1 redistricting hub.

2 COMMISSIONER LERNER: Great.

3 And then -- and as a follow-up, it's great that
4 you're going to be doing these short clips, do you know when
5 those will be available? Because I think people are
6 probably going to be anxious to get started.

7 And your training was great but, you know, to be
8 able to review a particular piece should -- will that be up
9 in the next couple of days, those?

10 MR. FLAHAN: Yeah, our plan is to -- we have a
11 couple already made, our plan is to finish the rest. We're
12 going to use some of the view that we shot to today to build
13 those small videos. So, yeah, in the next couple days, they
14 should be good to go.

15 COMMISSIONER LERNER: Okay. So before the end of
16 the week, then, I would assume, right?

17 MR. FLAHAN: Yeah. Yep.

18 COMMISSIONER LERNER: Perfect. Great.

19 And then, just as a last question, and this may
20 be -- so -- so if I'm wanting to draw a map but I only want
21 to deal with my area, like, my community of interest, we
22 just did that community of interest section, but now we'd be
23 drawing on these which would be a whole different thing, are
24 people are going to have to submit an entire map based on
25 this system or are they going to be able to submit portions

1 of maps?

2 MR. KINGERY: Entire maps.

3 COMMISSIONER LERNER: Entire maps.

4 There's no way for the average people to be able to
5 submit just: I want to talk about Mesa and what I think
6 should happen with Mesa, for example?

7 MR. D. JOHNSON: Right. Brian, let me take this.
8 This is Doug Johnson.

9 We did talk about that, and because we want them to
10 start from the grid templates, so they can take -- all
11 that -- all we need to alter is Mesa, put a note and they
12 just add or include a note saying: "All I redrew is Mesa,
13 ignore the rest of it."

14 But we do want them to start from the grid so we
15 can trace everything back to the grid.

16 COMMISSIONER LERNER: Perfect. So they can
17 actually just do their own area but just identify it. Keep
18 the rest of the grid the way it is, and then say "I'm just
19 doing this one," and send a note that says that. That's
20 perfect.

21 MR. D. JOHNSON: Exactly.

22 COMMISSIONER LERNER: Okay. Great.

23 Yeah, that's -- that's all I had. It's a lot to
24 take in I'm sure for those watching. Practice makes
25 perfect, right?

1 VICE CHAIR WATCHMAN: That's -- that's really true.
2 I know the Commission, you know, we took our training last
3 week and it was overwhelming; needed a little more time.
4 It's overwhelming, but I appreciate Brian and Mark and
5 others to refine the training.

6 Brian, is there anything else that we need to go
7 through today?

8 I don't have any questions myself, my apologies.
9 Brian, anything else?

10 MR. KINGERY: No, I think that rounds out, you
11 know, what I think the fundamentals are and how to interact
12 with the system.

13 Like Mark said, we'll have the targeted training
14 Arizona-specific videos up shortly, and when -- once the
15 grid map is approved, that will be loaded into the system
16 and then that's when, you know, users can start to go in and
17 pull in real templates and start to submit real plans.

18 VICE CHAIR WATCHMAN: I still have a question. If
19 someone is going through and they have a technical question
20 that can't be answered on the system or through the videos,
21 is there an e-mail address or chat -- I'm not too sure, but
22 maybe a technical question comes up to, be able to access
23 that question if they can't get it answered online.

24 Mark?

25 MR. FLAHAN: Yeah, the -- the first hope would be

1 that the videos and everything would answer their question
2 to be able to get there; but, yes, we could provide an
3 e-mail address for people to -- to e-mail in.

4 VICE CHAIR WATCHMAN: Yeah, you know, just in case
5 because some of us need the -- need the hands-on learning.
6 And I have a hard time just going through YouTube videos in
7 public session.

8 Okay. So if we can do that, I think it's very
9 helpful.

10 Okay. I think -- is there a question?

11 No? Okay. Well, today -- today was basically a
12 training on our mapping system, and what we want to do from
13 the Commission is to try to get as much information out to
14 have our system as transparent as possible. Everything is
15 on our website, you know, for getting in tomorrow. We as a
16 Commission will resume in our regular Tuesday meeting; will
17 start at 8 o'clock and the agenda is posted.

18 I'll ask again, any more questions or any more
19 thoughts before we adjourn here?

20 Okay. Well, this was short and sweet.

21 And, again, the public, you know, thank you for
22 joining us. We're hoping that, you know, all your questions
23 can be answered on our website and all the information that
24 was discussed earlier. A lot -- a lot to take in, but, you
25 know, as we move through this, it's going to be, you know,

1 quick because we have to get done by the end of December.

2 So, again, look through it. Any questions; feel
3 free to e-mail us, and we'll go from there.

4 So, with that, I'll call for adjournment, and I
5 appreciate everybody joining us and have a great day. And I
6 will see the staff and fellow Commissioners tomorrow bright
7 and early at 8 o'clock.

8 So sign off, everybody, and thank you very much.

9 Have a good day.

10 (Whereupon the videoconference concludes
11 11:12 a.m.)

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C E R T I F I C A T E

STATE OF ARIZONA)

) ss.

COUNTY OF MARICOPA)

BE IT KNOWN that the foregoing proceedings were taken before me, Angela Furniss Miller, Certified Reporter No. 50127, all done to the best of my skill and ability; that the proceedings were taken down by me in shorthand and thereafter reduced to print under my direction.

I CERTIFY that I am in no way related to any of the parties hereto nor am I in any way interested in the outcome thereof.

I FURTHER CERTIFY that I have complied with the requirements set forth in ACJA 7-206. Dated at Litchfield Park, Arizona, this 27th of September, 2021.



Angela Furniss Miller, RPR, CR
CERTIFIED REPORTER (AZ50127)

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