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Pam Cole: Welcome, everyone. I'm Pam Cole with the Pacific Northwest National Laboratory, and I'd like to welcome you to today's energy codes webinar on REScheck-Web new features and functions. We hold a webinar the second Thursday of every other month at the same time. You can keep watch out on the building energy codes website training page as topics get added, and if you have a topic suggestion and you like us to consider it, please email it in to us. You can use the same email that you receive for the webinar reminder messages.

So the course objective today is on REScheck, and our speaker is Bob Schultz from Pacific Northwest National Lab, and he's gonna discuss the new functions and features of the new REScheck-Web, how it looks and things that are new to its attributes. He's gonna go over when it will be released and the new modern interface with several updates and functions that I think a lot of our users are going to appreciate and like where we've gone with this tool.

So I'd like to send it over to Bob, and Bob, you can begin.

Bob Schultz: Thank you, Pam. I'll start off by saying I've been at this task for going on two decades now.

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So we've seen a lot of turnover in technology and capability, particularly on the web application side of things.

So the motivation for producing a new version of REScheck-Web is really to be able to tap into the rich set of features and functionality that modern tech – web applications have. Our old REScheck-Web, while it serves its purpose of determining code compliance, is at a dead end, technologically speaking, insofar as we can't add new capability and functionality the users have grown to expect. So that's the motivating reason for the upgrade.

None of the inputs that you will be asked to include or specify are new. It'll all look familiar in terms of the data that are required in order to determine code compliance.

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So it's really about the new features that's in the up and coming REScheck-Web application. We won't be going into energy code details; we won't be evaluating compliance problems or examples of that nature. It's all focused on the application features and functions.

When you're – we're done with this presentation, hopefully you'll have a good understanding of the registration requirements and procedures, how to manage projects, and evaluate or specify and document the checklist requirements and create reports along with some of the new project management sharing features that we're rolling out in the near future.

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So I'm going to jump over and work from a view of the application itself rather than cycling through a PowerPoint slide presentation. I think that'll be more valuable in the long run to learning to how to use the tool and what you can expect to find. The consequence is that you – the snappiness of the current application is lost a little bit in the screen refreshers that you see on your end, and I apologize for that. That's just a conductivity constraint that we're dealing with, but I'll – I can see the audience view of the screen and I'll try to be patient and wait for your refresh to appear before I address particular items on a page.

Moving forward then, we're going to point out that to use our REScheck-Web app, you have to be a registered user henceforth.

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You can't use it anonymously like our present application allows. This is a requirement to make a shared project feature work well and the registration credentials are going to be your standard set that you see in front of you here. The linkage to this application will be from our http://www.energycodes.gov website that we have to get merged in yet, so I'm not showing that part of it, but the access point will be similar to what it is presently.

So once you're registered as a user, you would normally just see the log-in page to gain access to your account for REScheck-Web. The login tab of the registration and login page you see in front of you have been pre-populated with my login credentials.

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We'll be seeing it from a perspective of a pretty active account since I'm busy testing projects and evaluating functionality on a daily basis, but for the most part, you'll see exactly the same thing on your end once you get going with the new application.

Should you forget your password or you think it's been compromised and you wanna reset it, you can click on the Forgot Password and get a re-initialized password in place through that mechanism. I'm working from a Chrome browser. The other primary browsers out there are going to be supported, but this is the environment I'm working from if you're not familiar with it.

So jumping into the first page that you're gonna run into on the project – oh, let me back up just one notch and –

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bring forward a page that you're gonna see as a first-time user. Because I'm not a first-time user, I'm not seeing this, but as you register and log in, you'll get the little user info page presented to you that's only intended to convey some of the main features of the project dashboard or homepage that I'll be talking to next. This is for people that haven't attended a workshop or a webinar on the new app and might need just a little help figuring out what the primary components of this page are. We can expand or clarify this if we get information from you that suggests something's not clear if you wanna submit comments about this.

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Once you've digested what's on this page, you would click the Got It button at the lower left and then be brought back to the application in its project dashboard or home page display mode. Now, as I said, I've been working with my account for quite a while, so I've got a deep set of projects already in my account, so you're seeing some of those – we only show five at a time – but if you don't have any account projects presently, this table will look empty and you'll have to start by adding projects to it. If you are a registered user on our COMcheck-Web application today, those projects you've already created will be available to you in this application. You don't have to start over and build from scratch those projects you've begun or saved in your account on REScheck-Web today.

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Furthermore, your login credentials will be valid in the new environment as well, so just know that you should be ready to roll once we put this application out for public use.

So I'm gonna start talking about the key features of this home page or project dashboard. We didn't have a project dashboard in the past. We had a little access box up in the upper right that gained you access to your individual projects, and it was a little bit clunky to use and certainly doesn't have the expandability or enhanceability that this new environment affords us.

So I'm gonna touch on some of the key features. This table that presents the different projects is typical of spreadsheet-like functionality.

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I can sort columns or sort the table according to column, ascending and descending, so I'm clicking on the project column header to sort by project name. Now, I prefer to have it sort by last updated, and the last updated project I was working on before coming live here was this demo project that I'm gonna show you later.

So I'm gonna click on Last Updated to get the most recent project front and center. If, however, I wanted to sort by searching and maybe I didn't remember what project was out there – let's say I start typing ahead on this search box, I'll put in "demo." The only project title I have with "demo" in it is now ex – revealed to me.

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So if you have hundreds of projects and you just remember some aspect of the name that you can get to, you can get to that project readily by using the type ahead or the search tool above the project table. Now, I cleared that by clicking the "X" box, and that brought me back to the view I started with.

This table also has the multi-function capability where if you check the leftmost check box, additional properties become available to you at the bottom of the table. I can delete all the checked projects I have. I can select them all; I can unselect them all. When I don't have any selected, that bottom bar doesn't have any relevance, so it goes out of view.

I can cycle through this – pages of my projects by using the cycling or advancing tools in the lower-right part of this table.

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So I'm clicking through to Page 3. If I go back and wanna go to – back to the front of the – list of projects, I use the left double-arrow symbol in that navigation bar.

The energy code just shows you what energy code was applied to this project. It remains to be seen whether that's a – particularly helpful, but we start the rollout with that in place.

What's the Status column? Well, the Status column is really meant to flag a project as being in draft mode or in final mode. So I can switch this to final, in which case it would switch over in a saving-to-the-database process and then mark it as final. This might be that the – used if the code official has replied that this has been an approved project for – in terms of energy code compliance.

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We're looking for ideas from you as an audience or as users for additional descriptors that might be valuable to you. We've heard from some users that pending approval or submitted for approval might be helpful. In the long run, we're envisioning a code officials version of this website, and so the code official might have their own set of descriptors they would apply to the status of the project that they've been given privileges to share with the user that submitted the project, and I'll speak to the sharing component next. That is invoked and demonstrated in the last column of this project table.

What we do for a project that we want to share with other parts of the team or team members on the project –

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let's say you have a substantial project that involves two or three individuals that need to put data into the project down in the other pages of this application – you can give them share privileges – or maybe it's a code official you wanna ask a question of. You can assign sharing privileges to your code official and have him re – look at it online. It wouldn't require a creation of a project report or transmission of the project in any other way.

Now, how do you make that happen? I'm gonna click on the Sharing icon of this first project, and when I do that, a dialog

comes forward that exposes my personal address book. And I've added these address – these individuals to my address book in another –

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page called My Profile page, and I'll show you that after we get done explaining this dialog.

So I can sign the permission level that this person I'm going to invite to share a project with, I can override it by picking the choice I want from the permissions drop-down, but right now, there's only a Read Only or Can Write or Edit permission that can be assigned. I'm going to – if I want Pam to get an invitation to share this project with, I would click the Share button, and clicking Done would send an email out to Pam inviting her to accept a share of the project.

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Well, what this email looks like is shown in here – or in this slide of our PowerPoint deck, and it describes that, "So-and-so has shared a project via RescheckWeb," and you would click on the here link to accept that share.

Now, you do have to be a registered user of REScheck-Web to actually access that project, but let's say Pam accepted the invitation. In that event, there'll be a little symbol or shared badge adjacent to the project title to tell you, as an owner of this project, that you have this project shared with other occupants – or occupants – users. She can, in turn, then, share it with other people that she has in her address book. She can also remove other shares.

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The owner of the project ultimately has the privilege to delete or reproduce that project from its point of origin, but the shared people will otherwise have equal privileges in editing that project. It is incumbent upon the people on that team to work together to complete it, to remove people that have left the firm, for example. We do no maintenance on the address book. If someone is – should no longer have access to these projects, then it's up to the owner or the shared individuals to remove that share privilege.

So how do I get that address book established? I look to the upper-right area of my –

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project dashboard page and I'm gonna click on my name up here, Robert Schultz, to bring forward My Profile page of the application. In My Profile page, I can edit the information about myself that ultimately goes out to – in that email to shared people or people that are gonna get a Share invitation, and I've pre-populated with this with my information. If I save this, you'll get a little banner bar at the top of the application that says the save was successful.

This is helping – helpful for a user to know when the process of saving's actually done. A lotta times, you don't know how long that process takes. If there's a latency, an impact going on in the web application, sometimes you can ask for a new operation to take place before the save is done. This is our way of telling you or informing you that that save operation completed successfully.

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You'll see that behavior elsewhere in the application as well.

But I can now, then, move down to the address book and address that more specifically. If I want to add a new user to my address book, I can give 'em a custom name by typing in that cell, and then I can give it a proper email address, and it's up to you to QA this. I'm not gonna go through the whole process of entering – I can get my fingers on the right keys as – keys while I'm speaking and moving through the app, so I'll ignore doing much typing in real life today, but if I wanted to add that, then I would click the Add button.

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So notice that there's no validation of whether that was a valid entry or not presently. If I want to trash that or remove it to the recycle bin, I simply use the trash can symbol at the far right. If I want to edit an existing address, I'll use the pencil icon or shortcut to get into edit mode, which exposes those cells I was typing into down below. If I want to accept the changes I made, I would click the check box when I'm done, but if I don't wanna make those changes because I realize I maybe didn't have the up-to-date information about that person, I can abandon that editing mode by clicking the check box or the "X" box. It's actually a button behind these icons, so I'll call 'em buttons or actionable buttons, and we'll

see those scattered around the application, and I will address them in turn when it's appropriate.

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So that's the My Profile page. There's room to expand this for features that we might want to introduce once we learn from you, the user community, what features would be most helpful to you. We encourage you to submit those suggestions to us through our helpdesk. We do pay attention to those and respond to 'em. It isn't the case that we necessarily accept and plan to implement every one of 'em, but we will bring them to the table for discussion with our design team.

What other features are avail – now I'm gonna back out of this profile page 'cause I'm done editing that. So I'm gonna click this Home button, which takes me back to my projects. That's why I alternately use the term homepage or home project dashboard.

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And when I do that, that's – this is where it's going to take us.

So I've spoken to the table in the core – at the middle of the screen here. I've spoken to My Profile. What about these help features that are out here? The Help button at the top bar up here will be available from all the pages in the application. If I click on that, I'm going to get the standard help content that we bring up in our present application, and this help content gets to the actual in – and speaks to the actual inputs more specifically, more than the behavior of the application itself.

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So that's different than the help content down in this panel at the far right. This panel, itself, is – and I'm trying to see that – the mouse is a little slow to show up on your screen, so I'll be a little more patient when I start moving around and pointing with my mouse. I apologize for that.

This help option at the very top called "Getting Started" will just bring up a helper PDF page that you see right here, and this will describe, in a very general way, the behavior of the application so you can get some assistance from that help object or linkage for web app features, not input features, necessarily.

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The other help items along the – in the help panel will take you to the resource center and access – give you access to things like what is the code requirement for the state I'm located in. I'm not gonna address those in this webinar, but – *[coughs]* – the bottom three options in that help panel will take you to that main resource page, and more specifically, into either the state page or the mailing list, the subscription page, or the parent help center page.

So – now, excuse me, I'm – *[clears throat]* – got a little bit of a throat cough there, but we'll work through that.

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The next thing I'm gonna point to are these three buttons below the My Projects label here in the table itself. The new button – the New Project button is fairly self-explanatory. That's gonna create a new project for us, and when we click on that, we're gonna wind up out in the project envelope compliance tab environment.

The Create Project – Sample Project button will create a fully populated project for you to use to learn what the completed project looks like. It will have a compliant outcome to it; it will allow you to play around with different inputs just to get a feel for how the different features of the tool work without compromising an existing project you have.

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It may be that you're completely comfortable with how the project – or the application works and you don't ever need this project, but for those that are new to the tool, it can be a helpful way to get up to speed quickly.

The last button on this line of the application page is Import, and what the Import feature does for us is it allows and provides us a way to get projects from our desktop uploaded to our project dashboard. I'm gonna go ahead and demonstrate that right now. When I click on that, a dialog pops up that says, "Drop File Here." And if I go over to a Windows Explorer view of some projects I've saved for this purpose, I can demonstrate that I have a local version of a REScheck project called Northwood Meadows Development that I've created using the desktop application of REScheck.

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Now I know, or I've been told, that our desktop application might be going away, so I'm concerned about getting these projects uploaded to my web application account. I'm gonna grab this RCK project file and I'm gonna – I'm holding my mouse down and dragging it up to that frame of that file box there and I'm going to then click the Submit button.

Now, the application takes that file and processes it and brings it in as the topmost project in my dashboard. Now I can continue to work on this project and know that all the data that I created and specified in the desktop version of this project is – has been brought into the app and I can finalize it in the web app.

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I'm gonna go ahead and delete that so I have my demo project topmost, just show some feature in action here, so I went ahead and deleted that.

Now let's demonstrate what a new project operation looks like. When I click New Project, I – the application assumes you wanna be editing that project. There's nothing worth seeing other – without having a project that you're gonna save. Well, what I mean by that, then, is there's a set of buttons over in the upper-right area of this screen called Cancel, Save, Report, and Compliance Check. These indicate to you that you're in edit mode of this project. If I wasn't in edit mode, I'm in read only mode.

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So if I'm in read only mode, there'd be an Edit button instead of the Save button. If I hit Cancel, I'm gonna wind up going back to my project dashboard. Similarly, if I click on the Home button in the far upper-left area of the page, I would go back to my project dashboard. Because this is a new project that hasn't been saved yet, I'm going to see a new project listed in the top breadcrumb.

Let's go ahead and give this project a name and save it for the very first time and see what happens. When I type in some text to the project title cell, notice the pop-up list of previously entered typing I've done. This one shows "My own title," "My project title," "My test 2." These are names I've given test cases I've created before.

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You will have your own set show up as you create projects and the application saves what your previous entries were. This will help so you enter data as you go down the path of entering and creating new projects. When I use one of those type ahead selected titles, it changes the background to have a yellow background color. That's meant to alert you to the need to QA this input. While it may have been helpful to select one of those type-ahead items, it also is likely you need to edit it a little bit, so I'm just gonna go ahead and backspace out and then put my title for this demo in the cell.

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Now I'm going to pick a different energy code than 2009 just to demonstrate that input while I'm there – while I'm here before I save for the first time, but let's say I pick "2012 ICC." This is a simple dropdown object, and you'll see the three national codes that the software currently supports along with the state codes that are represented in the application.

Now I'm gonna hit Save for the first time on this project, and when I do that, it's informing me that, "Oh, at a minimum, I also need to enter where this project is located." We don't want you saving a project with a – without the bare minimum inputs necessary.

So how do I now put in the new location? In the old application, you had to pick a state and then the state selected would bring forward a list of cities, and this could be a somewhat cumbersome process to work through if there were a lotta cities in the state.

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Now we have the feature of typing in things like your ZIP code, so I'm typing in 59715 for the location I'm presenting from Bozeman, Montana, and the ZIP code type I had then allowed me to see Bozeman, Montana in the list, and I could pick it from that list. If I wanted to just simply type ahead and pick someplace I've – know I don't have the ZIP code for – maybe it's Waco, Texas – I can put in W-A-C and find the list of Wacos – WACs in the project or in the location database and find Waco, Texas available to me to select from.

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So there's all these different ways now of putting location information that you didn't have before into the location cell and have type-ahead or guess lists come up for your benefit. In this

case, I knew what my county was for where I'm located – it's called Gallatin County – and so I just went with G-A-L-L-A and the list brought up all the Gallatin-like locations in the database. Gallaway, Tennessee isn't where I want to set this location, but Gallatin County is, so I'm gonna pick that.

So this is a handy feature that replaces the strict state, city, location process we'd be have – that we had before. I'm going to type ahead "B" for Bozeman and pick Bozeman, Montana again.

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Notice I didn't actually pick it out of the list, so I have to select it before it takes hold. Now I'm gonna go back to the ZIP code method and pick it to demonstrate that process once more, and hopefully the screen refresh demonstrated that sufficiently. I'm going to pick a new construction on this project and put in some of the other basic information while we're here. Let's say it's at 3,000 square foot. Notice a type-ahead showed 3,000 conditioned floor area had already been entered, so I'm going to select that because it's a – it is the size I want to use for the conditioned floor area, and now I'm going to save this project knowing I have the bare minimum of information specified. At the top of the page, the project saved banner will flash up there telling me I was successful.

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Notice that the breadcrumb at the top of the page now shows my title. It has been updated to show me what project I'm working on and what energy code has been applied. Now I can go back to the project dashboard, find it in my top row of my project. I'm going to click on the top row or that line item in the project dashboard to get back to the project, but now, at this point, we'll wanna notice that we are no longer in edit mode; we're in read-only mode. The way I know that is that none of those objects I was populating like location and energy code are now accessible or editable; they're all fixed labels presented on the screen.

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I go – I can also see that I'm in edit mode because the Edit button is presented to me in the upper-right area of the screen. I have to click on the Edit button to get back into the Edit mode of this project, and that is demonstrated in this screen display that you see in front of you.

So, what does the new project look like when we move off of the Project tab and move over to the Envelope tab? Since it's new, there's obviously no envelope assemblies specified yet. The envelope assemblies you need to specify, again, are the – those that make up the thermal envelope of the building. You don't have to enter interior walls, for example. The difference in this Envelope tab from our old application is that we've categorized envelope assemblies by ceilings/skylights, above grade walls, windows and doors, and foundation assemblies.

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And each one of these categories in its own is an accordion-like table. Well, what does that mean? If you click on the individual category row, you'll get the accordion table to expand. If I open all of those, I get all of them expanded and I see these Add buttons in each one. If I don't wanna work with expanding an accordion category by clicking on the individual row, I can use this helper button for Show all, which expands 'em all. I wanna show – collapse 'em all so I don't have 'em all in view, and I only wanna see the wall assembly accordion table expanded, then I would – I can show less and then expand just the walls.

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Okay, that's where – the behavior we're gonna demonstrate repeatedly, and again, the webinar presentation may be slow enough that it's not real snappy looking. I assure you that when you get it – a live session going in front of you, it's nice and slow in how it expands and contracts these accordion tables.

Moving on to adding the – a wall, I'm going to click the Add button, at which point a wall can be added, and when I click a wall, then the dialog for a wall is exposed to me, and the set of standard wall assemblies is presented on the left-hand side. On the right-hand side, we only have the component input called "wall" to edit, and I can go ahead and put into "Bob's wall" as an input using the type I had processed.

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So I put "Bob's wall" there.

Now, let's say I know this is a wood frame 24-inch on-center frame wall. I'm gonna click this radio button on the left or option object –

that's what these are alternately called – and when I click on Wood Frame Wall, then the variables that – or inputs that I need to make for that wall are presented below my component name on the right-hand side. You may also find that some standard assemblies require additional construction details that will be presented immediately below the radio or option objects on the left. In this case, I've selected Log as the all wall type, and when I select then, that log species and thickness in inches have to be specified.

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I'm gonna go back to my wood frame example, and at a minimum, I have to specify the gross area of this wall, and I'm just gonna enter 1,000 for this demonstration. So in this case, I've got 1,000 square feet of a wall that's made up of a wood frame in 24-inch on-center. I happen to plan on putting in 29 – R 29 cavity insulation in this wall, and I'll not put any continuous insulation into the wall.

Now, if I have it fully specified as shown, I can apply the – click on the Apply button, and a row will be added to the wall accordion table as shown in your slide now.

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The row that has been added will have these action items or objects on the far left. I can expand this wall; I can contract it. If I had windows or doors included in here, those would've been exposed. I'll show you a fully populated object to demonstrate what that looks like, but if I had made a mistake in what wall type I had specified, I can now click the pencil link or actionable object on the wall row of that wall accordion table and come back into the dialog and maybe it's actually a 16-inch on-center wall. Now I can change that up, and the assembly name has been updated to reflect it.

If I want to copy this wall, I would pick the Copy actionable object on the left side of the wall name.

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When I click on the Copy object, the dialog comes up again with all the same data that it's being copied from except that the component now has "Bob's wall copy," and I can edit that as I wish. So I'm gonna make it "Bob's wall 2" and I'm gonna click Apply, and now I have two walls presented to me in my wall accordion table.

If I want to edit – if I'm a power user and I don't really want to go to every one of those dialogues to edit just the area, then I can alternately – or alternatively edit or enter the gross area directly into the accordion table.

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You can only edit certain variables of a wall in that manner. The assembly type, you have to process through the dialog presentation and add on – process.

Now, what are these – what is this symbol or icon over on the far right? This is an Assembly Details pop-up. There will be some envelope assemblies that have data requirements associated with 'em that are not that frequently used, and once they're specified, they rarely change. We don't really wanna force you into having to scroll horizontally, left or right, to see all the table columns, and I have this table at a pretty wide spacing right now, so it looks like there's plenty of room in this middle column to add more columns to – for additional data.

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Well, that's not your – necessarily the typical width you're gonna get, and so it's for more granular assembly data that don't change frequently. We dedicate the display of those in our assembly details pop-up.

This happens to also be just another way to QA the data in a more visually pleasant way that's stacked vertically rather than horizontally, and I can simply hover over – I'm just hovering over these clickable objects on the far right of every assembly to get it to refresh. Now, again, it's more snappy on my side, but once you get the application available and in front of you, you'll realize this is a nice way to quickly scan through the objects to – on your envelope specification to do some QA work.

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I'm gonna drop back to the project screen. I'll leave the edit mode of that new project I created and bring up the demoed project I created earlier. So I'm hovering over that project in my project table and I'm gonna go to the project tab for envelope and I'm gonna demonstrate that – what the fully populated view of a project looks like, I'm gonna expand or show all components. All

the accordion categories will be expanded, and in this case, I've got ceilings with skylights; I've got walls with windows and doors specified; and you can see how the fully populated envelope specification looks: ceilings, walls, foundations.

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I've got a basement wall; I've got floor over a conditioned space.

If I move over to this basement wall, there – I know there's additional – more granular detail about this basement wall that I don't see in the table, namely, wall height, below grade – depth below grade and depth of insulation are three elements that are not in this table view, so I can do the hover over Assembly Details object to see all of the details about that project. If I want to show less for this project and only look at the walls, I can click on the Show Less button to collapse them all; I can show just the walls, hiding the windows and doors for the walls, and quickly do my QA of gross area –

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and cavity insulation or continuous insulation for just the walls. It's a nice way to move around the QA process and focus on the things that need attention rather than navigating all the rows in full exposure view.

Something else I might point out: If you're on an interview code that has additional glazing requirements to it, there is a Glazing Requirements button along the top part of the accordion table stack. I'm gonna click on that Glazing Requirements for this demonstration project. The Glazing Requirements dialog will show me that I don't have any applicable area-weighted average U-factor requirements on my fenestration, vertical or skylights.

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I do, however, have a requirement for area-weighted average solar height gain coefficient. I have to do at least a 0.25 SHGC requirement or condition on my proposed. I'm just meeting that, as shown in this table for this project, that should you be looking at the breadcrumb you will see is in – at the top left, it shows in this that it's in Zone 2, which has SHGC requirements that must be satisfied. So look to that glazing requirements dialog to find what the glazing – special and extra glazing requirements are for your energy code. 2015 had those in place for Zone 2 specific to SHGC.

Note, again, I'm in read-only mode here because I'm not seeing those actionable items on the walls.

[0:50:00]

I'm going to enter Edit mode for this demo project. When I go into edit mode, I'm going to see a little bit of a changeup in – that I didn't speak to earlier. Not only do you have the Save button exposed now, but you have this blue label in the upper-right above the Save button. What is that? Well, we allow a project to be in edit mode for up to an hour and we will reset that hour clock time every time you save. So if you're having to leave for a meeting or you're tied up in a phone call while in edit mode and an hour timeframe passes by, we're going to move you off of your edit mode and free the project up for your shared people to be able to use and edit this project.

[0:51:00]

This is common to medical websites or financial websites that have session time-out behavior. In this case, we're actually gonna show you the clock time that you have left before you lose unsaved changes to this project.

So that's all the – all that this blue label is intended to do for you. If I have – if I click a save, that clock is reset; we should see that happen. Now that I click the Save button, the project saves successfully banner comes up and I quickly got bumped up to a countdown from 60 minutes. I'm on the 50-minute – 59-minute countdown.

I'm in edit mode, so let's look at – to see how I might add a window to this wall, this topmost wall.

[0:52:00]

I will expand the topmost wall to expose the Add button immediately below this wall. I have a door in there already. If I'm using this Add button below the first wall, the set of options in that Add button are only door or window. Alternatively, I could use the Add button that's at the top of the wall accordion table and click that. That has options Wall, Window, and Door. I can use that one as an alternative, but when I pick a window from that list, it will default to the first wall to add the window to, as shown in this Add to parent assembly.

But because I have four walls, I could add it to the third or fourth or second wall in the list.

[0:53:00]

I'm gonna add it to the fourth wall just to demonstrate what happens here. I'm gonna specify that it's a vinyl frame wall and it's double-paned. I'm going to set the gross area to be 25 square feet. I'm gonna set the U-factor to be 0.29. I'm gonna set the SHGC to be 0.29.

Notice I – as I'm typing content, the validation process flashes up if the full data entry thus far is invalid. It will expose that – the range limit to that input and make you correct it if it's wrong before apply will actually invoke the addition of the window.

[0:54:00]

Now, I clicked Apply, and when I come back to the wall accordion window, we'll find that that window has, indeed, been added to the fourth wall. Then I can turn around and delete that because I don't really want that in my demo. I'm putting my demo projects example here. I'm just showing it to you for demonstration purposes.

If I copy a wall, the windows, and/or doors belonging to that wall will be copied along with the parent wall. If I delete the wall, all the windows or doors of that wall will also be deleted.

So those are the basics of adding and editing, deleting, managing envelope assemblies. I'm gonna presume I've got all the data I want changed – now completed and changed in the project.

[0:55:00]

I'm gonna click Save. I'm going to hopefully see that my saved successfully banner shows up, and indeed, there it is. So my clock has been reset.

Now I'm ready to check compliance. My compliance results might show a number, but that number was only valid for the last saved data that was checked for compliance. It will not be dynamically updated as you're editing data. It is incumbent upon you to click the compliance check to get the computations updated. I didn't actually change any of the data; I threw away the changes I made,

so the results happened to turn out consistent with the demo example I brought up the first time.

When I click Compliance Check, it will move me to the Compliance tab –

[0:56:00]

where I see the compliance metric results presented to me along with the requirements checklist that are also required for full compliance of the project.

We moved these compliance index values and max UA and your UA values to this compliance tab to try to make it more clear and apparent to the user community that the metric results are only one part of the story. You are also obliged to satisfy each of these requirement checklists. These will be presented in the report in the inspection checklist part of the report. We will be requiring you to acknowledge each one of these reports by selecting the radio button that applies to you. If it's simply a, "Yeah, I'll meet this requirement," then you pick that one.

[0:57:00]

We do want you to specify where, in your plan documents, verification can be found, so I might put Page 3, Section A, for example, in this cell so that when your code official receives this project, they know where to quickly go in their plans to find confirmation of your intent to satisfy this requirement. That has been proven to be a very useful tool for your code official. They're more efficient to processing your application if you provide that information.

Currently, we make it the code official's choice as to whether they require that of their user community. It's going to be the case that we'll continue to do that unless we hear information back from you that suggests that you want that to be a requirement.

[0:58:00]

If there are additional exemptions that apply like this type of requirement really doesn't apply to my project down here on 303.2.1, there's some – two options there. I can pick that it isn't applicable. We can't always know when a inspection checklist is applicable, so some of the requirements will have that additional option to it.

Now, how do you get a report to – created? I'm going to go to the Report button in the upper right of the screen. A dialog will be presented to me asking me what types of – what parts of the report should be included. Generally speaking, you're gonna include all of 'em, but you can optionally deselect parts of the report. I'm gonna click Continue at this point, and –

[0:59:00]

depending on what browser you're using, they will have a different way of managing the report PDF that comes out of the report generation process. Some will present the PDF or immediate access down in the bottom bar of the panel of the application. Others will possibly have you navigate to your downloads folder – it's somewhat browser-specific. I suspect you're all familiar with where you're gonna go find download projects if you captured PDF documents off other the webpages, so I won't belabor that point.

There's also a dialogue that's asking you, "Is this final – document final? We'd like to know if you're considering this as one that's going to be submitted. Is it final?" I'll click Yes.

[1:00:00]

When I click Yes, the status badge or banner or icon up in the breadcrumb will be switched to final, and this should also be recognized in the project dashboard if we were to go back to it and view those projects. In this case, I've got the project coming up in my bottommost download bar. I'm gonna bring it up and just note that the report that gets created is no different than it was in the past. We haven't changed that design yet. We haven't had any suggestions on how to revise it or revamp it at this point in time, but you have the compliance certificate – the front part of the report – and then you have the checklist content that comes up, and if you've provided information about where in the plans –

[1:01:00]

to find that this requirement will be met, your code official then can take this information out of the comments cell of that line item in the inspection checklist and go right to the plan for acknowledging that. The –

Pam Cole: Bob?

Bob Schultz: – checklist –

Pam Cole: Bob?

Bob Schultz: Yes.

Pam Cole: Bob, we're at the top of the hour and some people probably need to sign off 'cause we're only an hour webinar, so if you could sum it real quick and we can go back to the slide where they can get their certificates and answer a few important questions, that'd be great.

Bob Schultz: Okay, yeah, we can do that 'cause we are at the end of the story here. That summarizes all the main features. I look forward to the release of this in the summer of 2017 and you can then take advantage of using that and negotiating the different features and asking questions to our help desk if anything isn't clear.

[1:02:00]

Thank you for your time and I'll hand it over to Pam to chat about the final slides we have for you.

Pam Cole: Oh, thanks, Bob. It was really informative, and as Bob said, there were a few questions that came in was: When will this be released? And as Bob mentioned, it will be in the summer. Not sure exactly what month, but it will be this summer, and with that, Bob could attest, too, that we are phasing out the desktop, and Bob can talk about that as far as that – when that will happen. And this new tool will replace the REScheck-Web that's out there as far as data files that, you know, they're gonna be able to – and ones you have now, we'll be able to upload into this new tool, so you won't lose any data that you've been working on in the tools that are currently available.

Let's put it to the last slide so they can get that URL for the certificate of attendance. The help desk – there's a help desk URL. If you have additional questions later on, you can submit them through the help desk. Go out to the training page – that's the first link there that's provided on the website for webinars that are coming up.

[1:03:00]

Take down that URL if you want a certificate of attendance for today's webinar if you're an AIA member or if you want to report to ICC for continuing education credit.

So, Bob, a couple questions. I kind of answered some of 'em, but while we have time, there was a few more. On the compliance certificates, several jurisdictions have requested that the reports are sealed by the engineer of record. Can you try to make sufficient room for seals in the signature on the generated report? That's a question that came in to you.

Bob Schultz: We have had that request in the past and it's in our list of features to incorporate. To date, we haven't had the time or resources to integrate that just yet, but we're hoping that with this new technology base, we can move along that path more readily.

[1:04:00]

Pam Cole: Will the tool deal with different municipalities and different zoning areas by using the same plan? Will there be a capability to create different directories?

Bob Schultz: I can probably safely say no, it won't have any features that serve that purpose. I suspect you might be able to take care of some of the variability of your projects by replicating or copying projects and specifying unique to the different jurisdictions or locational-dependent information, but no, we don't intend to go down to the level of detail the question suggested.

Pam Cole: So in the web tool, when you asked for someone to share your project files, does the recipient have to indicate accepting the shared document?

[1:05:00]

Bob Schultz: That is correct. There will not be a recognized share of that project until it has been physically accepted from the email shortcut.

Pam Cole: Okay. One more. There's some – this is for state-specific codes that are in the tools now, and when will be – will those be transferred to the new tools, so the ones where you can choose from, not just the main national codes that are in the tools right now, but the state-specific codes and any functionality that goes with those state codes, will those be available in this new tool?

Bob Schultz: Yes. Everything that's – functionality in the old application will be present in the new one, including the state codes.

[1:06:00]

Pam Cole: Okay, and what was the – what is the policy for – what codes are supported the – in the tool? What codes will be supported in REScheck?

Bob Schultz: The general policy is to maintain the three most current code cycle – national codes. As a new national code is rolled out, published, the oldest code will be removed. We have the – accommodated a bit of a overlap in the last code going out, as we recognize some states are – have been a little bit slow to understand the policy or nature of those changes affecting their own legislation and guidance towards national codes, so it may turn out that the national – last national code hangs in –

[1:07:00]

place in the application for a bit longer than when the newest one is published, but we're working out the details of that policy revision presently.

Pam Cole: Okay, great. So last question: So the summer – this summer, the new REScheck-Web will be coming and it will replace the REScheck-Web that's out there, so if you have an account – a current account, they'll be able to log into this new one without having to re-register, correct?

Bob Schultz: That is correct. That's –

Pam Cole: Do they need to re – okay. So they don't have to re-register when the new tool goes live. Will we be sending out a blast email to everyone who is a subscriber to Energy Codes Program? Will we send 'em out an update or will it just appear on the main page of the website? How will they know when this tool's available?

Bob Schultz: Well, that's a good question. We haven't actually made that decision yet, but I suspect the plan will be to simply roll out the new application.

[1:08:00]

It won't be possible to maintain both applications simultaneously, so it likely will be a turn-the-old-on-off, turn-the-new-one-on point in time.

Pam Cole: And will there be a initial phase-out of the desktop or will that be turned off as well? What's the plan for the desktop?

Bob Schultz: The desktop will continue to support the existing national – the national codes that are presently supported in that application. As national codes are cycled out and the last one is removed from the desktop, support for that application will no longer be provided.

Pam Cole: So the desktop tool will still be available for a while?

Bob Schultz: For a while, while those national codes are still supported. As the code cycles go every three years, another – when one rolls out, one drops off, yep.

[1:09:00]

Pam Cole: So we won't remove the desktop application right away. That's gonna be a ways out, but you will see this transition of this new tool, so you still could get to the desktop tool and the download to the desktop tool. So that was one of the most – questions that did come in today as clarification on that.

Well, Bob, thank you very much. This was a really informative webinar. Everyone, attendees, keep posted for this new tool that's gonna be out there, and if you have questions, then you have the mechanisms. Go to the help desk and submit your questions that way. And take down that URL to get your certificate of attendance and AIA and ICC continuing education credit. Thank you, everyone, and you may disconnect.

[End of Audio]