

0:0:0.0 --> 0:0:4.320

Debs, Joseph N

Were separate companies, so we have some legacy software that are not identical.

0:0:4.330 --> 0:0:15.710

Debs, Joseph N

We have some differences that need to address and if we wanted to make changes to or add more features than, it's important that we have funding for it.

0:0:16.400 --> 0:0:21.90

Debs, Joseph N

Eversource have estimated this to be approximately \$1.5 million for funding.

0:0:25.210 --> 0:0:36.210

Debs, Joseph N

Umm, moving on the ohh my role in this integration is on the technical leads so I have.

0:0:37.60 --> 0:0:40.470

Debs, Joseph N

Ohh, I'm very involved in that program as well.

0:0:41.530 --> 0:0:46.680

Debs, Joseph N

Uh, when it comes to interconnection software integration, we look at three areas.

0:0:46.690 --> 0:0:49.180

Debs, Joseph N

The first one is the interconnection consolidation.

0:0:49.190 --> 0:0:50.510

Debs, Joseph N

I'll go through all three bullets.

0:0:51.340 --> 0:0:56.20

Debs, Joseph N

The consolidation is really all the external web pages that everybody accesses.

0:0:56.940 --> 0:1:6.580

Debs, Joseph N

We're talking about enhancement to the hosting capacity maps and we talked about automation of the interconnection screen, something this team has discussed in the past.

0:1:10.110 --> 0:1:22.210

Debs, Joseph N

Uh, looking at the external interface, the, the the idea here is we have a a vision that we hope to be able to implement that but need our three tools.

0:1:22.300 --> 0:1:25.270

Debs, Joseph N

There's power floor where you submit your interconnection application.

0:1:26.570 --> 0:1:38.990

Debs, Joseph N

There's a hosting capacity map that tells you how much generation you could put in, and there's a grid twin tool that helps you select the best sites and provide you with I love and nonbinding cost estimates.

0:1:40.20 --> 0:1:58.550

Debs, Joseph N

The idea is to consolidate all these into a single platform so a developer could look at the Grint when tool, identify sites that are viable, identified the holistic capacity map for the cost of the upgrades, and then file that particular site under the interconnection part and the power plug.

0:1:59.290 --> 0:2:4.560

Debs, Joseph N

That's the vision I'm hoping we could accomplish most of this, but that's the vision that we see.

0:2:4.770 --> 0:2:12.260

Debs, Joseph N

A single point of entry where it a developer could look at a project say yeah, like this project, I wanna move forward with this project.

0:2:12.430 --> 0:2:16.110

Debs, Joseph N

Let's submit an application facilitate done implementation.

0:2:19.450 --> 0:2:22.560

Debs, Joseph N

The next one is really the hosting capacity map.

0:2:22.930 --> 0:2:35.150

Debs, Joseph N

As I said earlier, hosting capacity map or limited or include the solar uh saying the solar arrays uh they don't include other technology.

0:2:36.20 --> 0:2:36.500

Debs, Joseph N

Uh.

0:2:36.680 --> 0:2:44.760

Debs, Joseph N

And they provide a static value, one single value which is based on the minimum load here.

0:2:45.850 --> 0:2:49.150

Debs, Joseph N

So the first step is to provide a seasonal hosting capacity value.

0:2:50.490 --> 0:2:54.690

Debs, Joseph N

One of the things that we all need to understand was seasonally is uh.

0:2:54.700 --> 0:3:4.60

Debs, Joseph N

If I was to give you a hosting capacity for the months of all the summer time, this this number can only be updated once a month.

0:3:4.830 --> 0:3:16.420

Debs, Joseph N

Ohh to reflect the load so we'll add the generation to it to offset or make changes to the hosting capacity value, but the load itself can only update it once a year or just because it's seasonal.

0:3:17.880 --> 0:3:24.520

Debs, Joseph N

The second one is probably a critical one for the steam is currently the map.

0:3:24.580 --> 0:3:35.220

Debs, Joseph N

Don't address batteries and energy storage as something that the load hosting capacity will support by addressing energy storage and electric vehicles.

0:3:36.960 --> 0:3:38.990

Debs, Joseph N

Uh, so that's an important one.

0:3:39.360 --> 0:3:43.150

Debs, Joseph N

The third one is a time series hosting capacity map.

0:3:43.160 --> 0:3:50.330

Debs, Joseph N

I want to point out that this is going to be a limited time series, not a 24/7 every day.

0:3:51.40 --> 0:4:12.800

Debs, Joseph N

This is extensive data, so it's gonna be a limited time series where we could provide you some data or the more granular level, but naughty time series that will be updated constantly and the last one is hopefully we could integrate the Excel sheet that is a separate document into the hosting capacity maps.

0:4:17.190 --> 0:4:43.140

Debs, Joseph N

Now one of the things that we have to evaluate is really the same proposal, which is either update the data real time or update the data daily for the hosting capacity value before I get to this, I wanted to kind of ground everybody of what is needed to accomplish during uh during the the the process of publishing horse capacity map.

0:4:43.350 --> 0:4:51.630

Debs, Joseph N

The first part is the maps are based on a load flow analysis tool, which essentially is called synergy.

0:4:52.60 --> 0:4:57.370

Debs, Joseph N

I think uh, you are use a sign, but we use synergy and they fundamentally of the same thing.

0:4:58.400 --> 0:5:4.530

Debs, Joseph N

The Lord Flaw analysis is typically run overnight because it requires a lot of computation.

0:5:5.110 --> 0:5:10.680

Debs, Joseph N

Uh, Eversource has about 1400 circuits that need to be run.

0:5:11.170 --> 0:5:17.700

Debs, Joseph N

That analysis take 8 to 12 hours to complete overnight when we conduct it.

0:5:19.90 --> 0:5:21.410

Debs, Joseph N

Ohh, the result of the load flow.

0:5:22.290 --> 0:5:30.60

Debs, Joseph N

Ohh requires some validation but once the analysis is complete somebody has to go into data.

0:5:30.110 --> 0:5:39.900

Debs, Joseph N

Make sure that the data is not erroneous, that we don't have values that are hosting capacity values that are too low or too high or erroneous.

0:5:40.920 --> 0:5:55.370

Debs, Joseph N

Uh, we have to look at some of the in some cases sometime the analysis doesn't run correctly for for single circuit or multiple circuits for whatever reason we have to correct that problem and rerun that capacity.

0:5:55.380 --> 0:5:57.410

Debs, Joseph N

So we get the correct results.

0:5:57.980 --> 0:6:1.460

Debs, Joseph N

So there's a bit of work associated with.

0:6:2.40 --> 0:6:10.780

Debs, Joseph N

There's a lot of work associated with doing the validation and making sure that the capacity is done correctly and published correctly.

0:6:11.490 --> 0:6:17.40

Debs, Joseph N

But what this is suggesting is real time data is not a viable option.

0:6:18.490 --> 0:6:31.980

Debs, Joseph N

One of the things that you have to look at is how frequently could you do it and and doing this on a daily basis would be and practical and would require quite a bit of resources.

0:6:31.990 --> 0:6:39.550

Debs, Joseph N

And Eversource end it, it's going to require somebody to do that on a daily basis or you're talking about one or two people full time.

0:6:40.20 --> 0:6:42.670

Debs, Joseph N

So that's at least uh.

0:6:42.710 --> 0:6:57.390

Debs, Joseph N

When you look at the frequency and the volume of the size of the DD, the DG application we get and that's important in the past, a lot of the application were driven by the O program or other programs.

0:6:57.780 --> 0:7:1.520

Debs, Joseph N

So we used to get 5060 application in a week.

0:7:2.290 --> 0:7:2.880

Debs, Joseph N

Uh.

0:7:3.470 --> 0:7:7.570

Debs, Joseph N

In during that time frame in one week, we'll get 5060 application.

0:7:8.380 --> 0:7:17.360

Debs, Joseph N

We won't get any large project for months after that and So what we're seeing today is a slight shift we're seeing.

0:7:18.350 --> 0:7:20.480

Debs, Joseph N

Ohh, we're seeing more frequent.

0:7:20.490 --> 0:7:22.780

Debs, Joseph N

We're not seeing that 50 application anymore.

0:7:22.790 --> 0:7:34.750

Debs, Joseph N

I hope I don't, but we're not seeing those frequent application, but we're not seeing significant amount of application that would justify updating the free the the hosting capacity map daily.

0:7:36.880 --> 0:7:47.870

Debs, Joseph N

Uh, so these are the things that we're recommending is there may be a room to update the free the maps more frequently, but certainly not daily or real time.

0:7:49.130 --> 0:7:55.120

Debs, Joseph N

Uh, to me, the key to more frequent update is implementation of the Massachusetts automation integration tool.

0:7:55.530 --> 0:8:1.590

Debs, Joseph N

That automation would facilitate a lot of the delays and help us improve that efficiency.

0:8:4.540 --> 0:8:16.250

Debs, Joseph N

The 3rd and most important part of of the processing interconnection process is the automation of the screens and something we talked about over the past year.

0:8:16.680 --> 0:8:23.810

Debs, Joseph N

Frequently, but the goal of the automation is ready to shorten the time to process an interconnection application.

0:8:23.880 --> 0:8:35.640

Debs, Joseph N

That is the time from the moment the developers submits an interconnection application to the time the developer receive and interconnection agreement from us to move forward.

0:8:36.170 --> 0:8:36.890

Debs, Joseph N

That's the goal.

0:8:37.970 --> 0:8:43.590

Debs, Joseph N

And so I looked at this as you either have a full automation or partial automation.

0:8:44.630 --> 0:8:54.120

Debs, Joseph N

Uh, full automation would be projects behind the meters that are small enough, but they passed the screens and they automatically get in it.

0:8:54.180 --> 0:8:55.160

Debs, Joseph N

The connection agreement.

0:8:57.80 --> 0:8:57.400

Debs, Joseph N

Uh.

0:8:58.20 --> 0:9:13.290

Debs, Joseph N

Other projects may require additional reviews, and again, if we implement some of the automation, we could reduce the amount of ohh time we spend on the initial review because because the data may be other available more readily available.

0:9:17.290 --> 0:9:22.540

Debs, Joseph N

Probably want it to get on this screen a bit more granular on this.

0:9:22.550 --> 0:9:27.630

Debs, Joseph N

The level 1 automation screen is for the residential project or inverter base.

0:9:28.600 --> 0:9:39.870

Debs, Joseph N

This is the one that's benefit that's going to benefit the most from the automation because all we need to do is really look at the transformer size, making sure there's not too much generation, not transformer.

0:9:40.220 --> 0:9:47.460

Debs, Joseph N

Make sure it's not gonna cause voltage issues and and that could be a almost a pass fail project.

0:9:47.530 --> 0:9:51.650

Debs, Joseph N

We we do this currently, we hope to enhance it.

0:9:52.750 --> 0:10:3.410

Debs, Joseph N

One of the things we're also considering is reducing the amount of interface and reviewing of document that include the one line, the layout drawings.

0:10:3.480 --> 0:10:18.920

Debs, Joseph N

This an example of this as we we have a requirement for disconnect switch and we look at the layout drawing to validate that the disconnect switch is close to the out out utility meter.

0:10:20.130 --> 0:10:21.60

Debs, Joseph N

Uh, we could ask.

0:10:21.110 --> 0:10:26.780

Debs, Joseph N

A question is your is your disconnect switch close within 10 feet of the utility meter?

0:10:27.70 --> 0:10:38.840

Debs, Joseph N

Which case we could consider removing the drawing, so there's validation here in reviewing some of the data by asking the right questions and the leading.

0:10:40.300 --> 0:10:51.620

Debs, Joseph N

A lot of these additional documentation we need if we ask the right question, the level 2 screen which is the project or larger than 25 kilowatts.

0:10:52.620 --> 0:11:10.640

Debs, Joseph N

Ohh, wanna put a cap here of 1 MW and the reason I say the CAP is 1 MW is because I shall New England require anything greater than one MW to be reviewed, whether it's a notification, IT transmission study, full blown transmission study or transmission screen.

0:11:11.370 --> 0:11:16.620

Debs, Joseph N

But that cannot be automated at this point in the game, and the current ISIL rule, it cannot be automated.

0:11:17.760 --> 0:11:21.50

Debs, Joseph N

That being said, there's a lot of things we could automate.

0:11:22.150 --> 0:11:24.940

Debs, Joseph N

The first one is to replace the.

0:11:24.950 --> 0:11:26.210

Debs, Joseph N

The screens were developed.

0:11:26.220 --> 0:11:27.560

Debs, Joseph N

I don't know if you know the history.

0:11:28.30 --> 0:11:39.680

Debs, Joseph N

I remember I was part of these initial discussion and in in 2000 they started developing the hose cap the the screens in the interconnection guidelines, the 15% screen.



0:11:40.550 --> 0:11:44.800

Debs, Joseph N

Ohh pork adopted these screens in 2005.

0:11:45.210 --> 0:11:45.760

Debs, Joseph N

Back then.

0:11:46.830 --> 0:11:52.740

Debs, Joseph N

Uh, a lot of the data that we needed to conduct those screen, we had to call people.

0:11:53.240 --> 0:11:55.700

Debs, Joseph N

We had to look for that data and download that data.

0:11:56.450 --> 0:11:58.910

Debs, Joseph N

The truth is, today a lot of that data is available.

0:11:58.920 --> 0:12:18.70

Debs, Joseph N

In fact, the hosting capacity map value or instrumental in providing us that data, so our proposal is to replace the screens, uh, most of the screens with the hosting capacity value plus whatever new generation was added.

0:12:20.80 --> 0:12:29.370

Debs, Joseph N

The second thing we could also do, which is also can easily be automated as we're to review an existing customer screens a customer transformer.

0:12:29.480 --> 0:12:40.120

Debs, Joseph N

So if you have a transformer that say 500 kilowatt than you you're you're submitting an interconnection application for 400 and there's nothing else on it.

0:12:40.200 --> 0:12:42.670

Debs, Joseph N

Then that screen would pass automatically.

0:12:43.630 --> 0:12:43.950

Debs, Joseph N

Uh.

0:12:45.830 --> 0:13:2.460

Debs, Joseph N

Additionally, we will identify the failure of the screen, meaning either we said the hosting capacity value is too small to support your generation or will tell you that you need a new service transformer.

0:13:3.900 --> 0:13:12.110

Debs, Joseph N

Ohh, under this scenario we still need to review the one lines to make sure that uh metering is fine.

0:13:12.160 --> 0:13:17.110

Debs, Joseph N

We can automate this because this is based on tariffs that may change over time.

0:13:17.400 --> 0:13:24.180

Debs, Joseph N

So that's not something we could easily automate, but we still may need to review the one line to make sure everything is fine.

0:13:25.970 --> 0:13:26.340

Debs, Joseph N

Uh.

0:13:27.660 --> 0:13:38.810

Debs, Joseph N

For level 2 greater than one MW, as I stated earlier, you still need to review the project to make sure ISO requirements are met.

0:13:39.260 --> 0:13:45.90

Debs, Joseph N

So I call that partial automation because even if you pass all the screen, you still need to do it.

0:13:46.450 --> 0:13:50.200

Debs, Joseph N

I think the last part of the study is a study process.

0:13:51.200 --> 0:14:0.870

Debs, Joseph N

This is all transparent to to developers, but there's a lot of work that goes into gathering data to conduct a load flow and to deduct conduct the process.

0:14:1.340 --> 0:14:12.260

Debs, Joseph N

We're hoping that some of the automation of this will increase the efficiency of our studies and hopefully shorten the time to conduct some of these studies.

0:14:12.270 --> 0:14:12.720

Debs, Joseph N

That's our goal.

0:14:13.920 --> 0:14:16.650

Debs, Joseph N

Ohh, so that's something we want to look at.

0:14:17.600 --> 0:14:18.380

Debs, Joseph N

Uh, what?

0:14:18.390 --> 0:14:29.630

Debs, Joseph N

I wanted to focus on is, uh, some of the things we can do and can't do with the feasibility study and the impact study certainly will benefit from the automation.

0:14:31.70 --> 0:14:39.830

Debs, Joseph N

Ohh, but the facility study and the transmission study cannot be automated, so these two will not benefit from the automation.

0:14:43.570 --> 0:14:45.600

Debs, Joseph N

And that's basically my presentation.

0:14:46.670 --> 0:14:49.790

Debs, Joseph N

Ohm, any few questions you may have.

0:14:52.200 --> 0:14:57.880

Apollonia, Rory

Alright, if people have questions, you gotta raise your hand and then we're gonna proceed to the UI presentation.

0:15:6.90 --> 0:15:10.770

Apollonia, Rory

OK, so I see one hand is up from Lafayette.

0:15:11.910 --> 0:15:12.540

nlafayette shrenergy.com

Yep.

0:15:12.760 --> 0:15:13.570

nlafayette shrenergy.com

Good morning, Joe.

0:15:13.580 --> 0:15:13.930

nlafayette shrenergy.com

How are you?

0:15:14.570 --> 0:15:15.520

Debs, Joseph N

Pretty good myself.

0:15:15.930 --> 0:15:16.360

nlafayette shrenergy.com

Good.

0:15:16.370 --> 0:15:17.530

nlafayette shrenergy.com

Thank you for that presentation.

0:15:19.800 --> 0:15:27.950

nlafayette shrenergy.com

If you were to get to full automation, I know you still kind of waiting on funding, you know, but how does that affect the impact study process?

0:15:27.960 --> 0:15:29.170

nlafayette shrenergy.com

Does that speed that up?

0:15:29.180 --> 0:15:31.30

nlafayette shrenergy.com

Does it eliminate it in some cases?

0:15:31.40 --> 0:15:32.0

nlafayette shrenergy.com

Can you comment to that please?

0:15:33.880 --> 0:15:34.180

PIERRE MARGRAFF

Umm.

0:15:33.20 --> 0:15:36.400

Debs, Joseph N

But don't think the automation will eliminate.

0:15:37.390 --> 0:15:39.310

Debs, Joseph N

Ohh the study.

0:15:39.320 --> 0:15:40.80

Debs, Joseph N

The impact study.

0:15:41.200 --> 0:15:45.950

Debs, Joseph N

Uh, what it will do is reduce the amount of time it takes to gather the data.

0:15:45.960 --> 0:15:55.250

Debs, Joseph N

So what is transparent to to the developer is when we conduct a study, we have to gather a lot of data from different circuits.

0:15:55.290 --> 0:16:2.10

Debs, Joseph N

This different system we have to develop a list of projects in the queue, sort them by queue date.

0:16:2.200 --> 0:16:5.730

Debs, Joseph N

We have to gather load data for the circuit.

0:16:5.740 --> 0:16:9.10

Debs, Joseph N

We have to gather load data for the transformer and the substation.

0:16:9.360 --> 0:16:11.300

Debs, Joseph N

Those are things that are manually done today.

0:16:12.270 --> 0:16:20.820

Debs, Joseph N

Having the ability to automate some of them is going to increase the efficiency at which we do the study.

0:16:20.830 --> 0:16:23.780

Debs, Joseph N

It's never going to be a push a button and you're done.

0:16:24.860 --> 0:16:27.890

Debs, Joseph N

Maybe in 1015 years, but today.

0:16:29.540 --> 0:16:34.310

Debs, Joseph N

This a lot of the stuff is done manually and it's it's in the background.

0:16:34.320 --> 0:16:38.580

Debs, Joseph N

You guys don't see it, but it it takes time to gather all that data.

0:16:40.430 --> 0:16:49.970

nlafayette shrenergy.com

OK, so if you were to automate it the 90 days at a normally takes and I appreciate your thorough answer, would that be reduced by 30 days or I mean?

0:16:50.980 --> 0:16:52.910

Debs, Joseph N

That that's a tough questions.

0:16:52.980 --> 0:16:57.840

Debs, Joseph N

I I don't know that I could answer that question effectively until I understand.

0:16:58.800 --> 0:17:3.450

Debs, Joseph N

Ohh, the extent of the automation we could implement in a yearning half.

0:17:5.890 --> 0:17:18.990

nlafayette shrenergy.com

OK, the reason I'm asking is it seems to me, I believe you said it was a million something umm, in the big scheme of things that's that's not a big price tag if it saves significant time and energy.

0:17:19.0 --> 0:17:28.170

nlafayette shrenergy.com

So I can't speak for the whole solar industry, but I would gladly champion getting you that money if we can.

0:17:28.380 --> 0:17:32.240

nlafayette shrenergy.com

If we can, you know, post, you know if we can.

0:17:32.630 --> 0:17:35.190

nlafayette shrenergy.com

Yeah, frame it as look what it's saves, right?

0:17:35.810 --> 0:17:36.30

Debs, Joseph N

Right.

0:17:35.200 --> 0:17:37.590

nlafayette shrenergy.com

So that's because that serves all of us.

0:17:37.600 --> 0:17:37.990

nlafayette shrenergy.com

So.

0:17:38.580 --> 0:17:38.800

Debs, Joseph N

Right.

0:17:38.120 --> 0:17:40.100

nlafayette shrenergy.com

So I'd like to know more about that in the future.

0:17:41.570 --> 0:17:41.810

Debs, Joseph N

Right.

0:17:47.580 --> 0:17:47.700

Debs, Joseph N

Yes.

0:17:40.110 --> 0:17:55.520

nlafayette shrenergy.com

We'll take that offline and to the new software that estimates interconnection, Sophia gangs, does that tie into any of this or is there any efficiencies that those things can work together or a tie in or any of that nature?

0:17:54.730 --> 0:18:0.150

Debs, Joseph N

Umm the the idea is if you go back to my initial slide.

0:18:1.100 --> 0:18:6.440

Debs, Joseph N

Uh, which is including the tool, the hosting capacity of parkour?

0:18:6.820 --> 0:18:7.570

Debs, Joseph N

What would happen?

0:18:7.580 --> 0:18:27.620

Debs, Joseph N

You'd go and into the tool, find your site, save your site, may save a handful of sites, and then once you're comfortable with the values that you see and you want to submit an application, you could you could click the button and that would automatically, uh, prepopulate some of the stuff.

0:18:27.630 --> 0:18:30.810

Debs, Joseph N

So it's not going to increase.

0:18:31.270 --> 0:18:43.520

Debs, Joseph N

It's not, not it it it may increase our efficiency, but it's gonna make it it more customer friendly solution where it's easier for you to interface with Eversource.

0:18:45.640 --> 0:18:49.50

nlafayette shrenergy.com

Right my in my head is like running through that software.

0:18:49.280 --> 0:18:51.950

nlafayette shrenergy.com

It's not formal, but it gives me some estimates.

0:18:52.410 --> 0:18:52.670

Debs, Joseph N

Right.

0:18:52.280 --> 0:18:54.650

nlafayette shrenergy.com

I decide to put it in application.

0:18:54.800 --> 0:19:1.820

nlafayette shrenergy.com

If I could submit the data from that, that would give you a running start or a place to start from.

0:19:1.830 --> 0:19:2.310

nlafayette shrenergy.com

Is that correct?

0:19:2.780 --> 0:19:3.430

Debs, Joseph N

That is correct.

0:19:4.300 --> 0:19:4.940

nlafayette shrenergy.com

OK, good.

0:19:4.950 --> 0:19:6.70

nlafayette shrenergy.com

Thank you for answering the questions.

0:19:6.760 --> 0:19:6.970

Debs, Joseph N

OK.

0:19:10.770 --> 0:19:14.460

Apollonia, Rory

Anybody else wanna raise your hand forever? Source.

0:19:20.40 --> 0:19:21.430

Apollonia, Rory

OK, I'm not seeing anything.

0:19:21.540 --> 0:19:22.580

Apollonia, Rory

Let's take that as a no.

0:19:23.750 --> 0:19:26.950

Apollonia, Rory

Uh, we're gonna move on to you.

0:19:26.960 --> 0:19:29.310

Apollonia, Rory

I so I believe that's Ian.

0:19:30.610 --> 0:19:31.500

Speaker 1

Yeah, that's correct.



0:19:33.240 --> 0:19:33.940

Apollonia, Rory  
Alright, thank you.

0:19:35.90 --> 0:19:35.480

Speaker 1  
Thank you.

0:19:35.490 --> 0:19:38.180

Speaker 1  
Please let me know when you see my screen.

0:19:38.190 --> 0:19:39.230

Speaker 1  
I'm sharing that right now.

0:19:41.240 --> 0:19:41.740

Apollonia, Rory  
I see it.

0:19:48.230 --> 0:19:49.780

Speaker 1  
Alright, good morning everybody.

0:19:50.330 --> 0:19:59.660

Speaker 1  
Thank you for the opportunity to present the plan for the hosting capacity maps upgrade on behalf of the United Illuminating Company.

0:19:59.770 --> 0:20:5.150

Speaker 1  
My name is young Belan and I'm a member of the Dr Interconnection Group.

0:20:6.70 --> 0:20:34.140

Speaker 1  
And this presentation, we will review the current current state status of the hosting capacity maps at UI, how it was developed, the current refresh rate, the improvement project currently under role, the plan for future automation and how we would like to get there and the steps we will need to take in order to get there.

0:20:34.770 --> 0:20:37.690

Speaker 1  
It also includes a cost estimate.

0:20:42.110 --> 0:20:52.20

Speaker 1  
Uh, Joe already presented the docket 22-08-03 and the order the compliance order 19.

0:20:52.70 --> 0:20:52.880

Speaker 1

I'm.

0:20:53.450 --> 0:21:20.520

Speaker 1

I'm just gonna say that UI has review order 19 to implement the safe proposal to upgrade the capacity maps in daily or real time as well as a plan for using real time hosting capacity maps for other activities related to other clean energy programs and or system planning activity.

0:21:20.770 --> 0:21:25.580

Speaker 1

And this is straight from the order you are familiar or this one.

0:21:25.590 --> 0:21:28.10

Speaker 1

I'm not gonna spend more time on on that.

0:21:29.240 --> 0:21:29.860

Speaker 1

Uh.

0:21:29.900 --> 0:21:32.70

Speaker 1

Then just move this thing away.

0:21:32.120 --> 0:21:33.480

Speaker 1

Yes, what a moment.

0:21:35.610 --> 0:21:39.150

Speaker 1

So the journey we started.

0:21:41.510 --> 0:22:3.220

Speaker 1

The posting of the hosting capacity maps back in 2018 and the first step was to evaluate some of the Commercial Act application available at the time, such as KEVALA or April Dr One and two and same ICA module.

0:22:3.630 --> 0:22:26.690

Speaker 1

We realize that actually the very the two of them, the very first two, they are using the same model as developed by sign and we kind of the decision was at the maid at the time to just use the ICA as being the most the best equipped to provide the maps.

0:22:27.890 --> 0:22:39.200

Speaker 1

Uh, we follow up with the I will call it a program, a pilot program where we had only one subspace substation, the Ash Creek.

0:22:39.310 --> 0:22:43.930

Speaker 1

We developed the maps for it and actually we we got them published.

0:22:44.610 --> 0:22:57.380

Speaker 1

That was kind of was approved by by all the members of the YOUR Community and we moved on to hosting capacity maps for the entire system.

0:22:57.390 --> 0:23:0.840

Speaker 1

We publish them so they are published.

0:23:1.260 --> 0:23:3.830

Speaker 1

They are based on the ICA.

0:23:4.890 --> 0:23:5.660

Speaker 1

Uh.

0:23:6.450 --> 0:23:14.380

Speaker 1

Which is usually done after the summer peak, and that's when the maps are updated for.

0:23:15.430 --> 0:23:30.800

Speaker 1

Configuration and uh, it is every month they are updated with data for the new DVR which were received since that time.

0:23:32.270 --> 0:23:36.220

Speaker 1

The monthly update for the Dr it's is monthly.

0:23:36.230 --> 0:23:53.940

Speaker 1

Let me just put that one say that one more time we also we have certain projects in progress and in planning which we believe will will significantly improve the hosting capacity.

0:23:54.510 --> 0:23:56.660

Speaker 1

The first program is the.

0:23:56.670 --> 0:24:0.60

Speaker 1

See the sign of  $\Pi$  interface.

0:24:0.390 --> 0:24:6.530

Speaker 1

So it's using the plugins and it does what it does.

0:24:7.360 --> 0:24:30.170

Speaker 1

Dynamic data pool this project proposes to develop the plugins to integrate or interface the sign software with the circuit load data from the UI  $\pi$  historian system and you I am I meter data for.

0:24:32.580 --> 0:24:38.730

Speaker 1

People which are not familiar with I will say that the Pi system it's a wonderful system.

0:24:39.60 --> 0:24:44.750

Speaker 1

It gives you data in real time and it's actually it's a.

0:24:44.760 --> 0:24:48.100

Speaker 1

It's a extraordinary system we plan to.

0:24:49.140 --> 0:24:56.110

Speaker 1

Interface sign with this by historian system it's gonna better.

0:24:56.240 --> 0:25:15.850

Speaker 1

It's gonna give the UI plan or a better a view on the circuit love loading and also the customer demands during period of interest and at the hourly granular level in order to enhance plastic pipe planning process and also.

0:25:16.710 --> 0:25:18.950

Speaker 1

Uh, and hence the maps.

0:25:20.180 --> 0:25:24.650

Speaker 1

Uh, that and what that means is that we're gonna have.

0:25:24.700 --> 0:25:30.510

Speaker 1

We're gonna implement the time series analysis the project.

0:25:30.520 --> 0:25:31.240

Speaker 1

It's in progress.

0:25:32.680 --> 0:25:46.430

Speaker 1

We hope to be completed by the end of this month for about 1/4 of \$1,000,000 the next, the next in progress project.

0:25:46.540 --> 0:25:52.50

Speaker 1

It's called April grid model verification and validation.

0:25:53.960 --> 0:26:0.350

Speaker 1

Uh, this project will feature develop the processes and procedures.

0:26:1.560 --> 0:26:8.200

Speaker 1

Uh to efficiently verified and validate uh.

0:26:8.210 --> 0:26:10.690

Speaker 1

The quality of the grid models.

0:26:10.770 --> 0:26:16.960

Speaker 1

This is something that I will I will actually talk a little bit more in the next slide.

0:26:17.550 --> 0:26:26.140

Speaker 1

Those processes and procedure will be implemented in a tool and everybody will have the chance to use this tool.

0:26:26.550 --> 0:26:29.890

Speaker 1

This will be linked to UI planning tool.

0:26:30.780 --> 0:26:32.970

Speaker 1

Uh, the project cost.

0:26:32.980 --> 0:26:35.910

Speaker 1

It's about \$150,000.

0:26:35.920 --> 0:26:42.680

Speaker 1

However you I will share only 1/4 of that cost.

0:26:45.30 --> 0:26:56.480

Speaker 1

The third project it is corporate based collaboration between the Pedrola, the parent company and the Middle East.

0:26:57.370 --> 0:27:6.330

Speaker 1

We have to actually we we will working on it but I don't have that much detail we share with you at this time.

0:27:10.140 --> 0:27:20.130

Speaker 1

Going back to the the current, the hosting capacity maps are currently uh.

0:27:20.140 --> 0:27:24.380

Speaker 1

Published on the left side of the screen.

0:27:24.450 --> 0:27:52.220

Speaker 1

You you are seeing actually the UI map and the pounds in the UI territory when you dig, when you drill down on the map, uh you will get to the level where the circuits are display and the section of the circuit are displayed and if you click on any section it's a window that opens and open actually 2 windows will open.

0:27:52.610 --> 0:28:9.10

Speaker 1

It's gonna go from one to two and the information and the windows are the as follow the uh location hosting capacity is display and as you can see in the display this has a value.

0:28:9.200 --> 0:28:15.10

Speaker 1

This is a direct result of the ICA run.

0:28:15.740 --> 0:28:17.830

Speaker 1

It's also they also displayed the.

0:28:18.660 --> 0:28:25.450

Speaker 1

Identification for the circuit as the circuit number, the operating voltage and the face.

0:28:26.400 --> 0:28:37.430

Speaker 1

Uh, the next great section is the circuit information and also the remaining hosting capacity as a 5.89 megawatts.

0:28:37.900 --> 0:28:40.0

Speaker 1

This is being updated.

0:28:40.490 --> 0:28:41.200

Speaker 1

Uh.

0:28:41.390 --> 0:28:49.640

Speaker 1

Every month and it comes from an Excel file and the DRN Q.

0:28:49.870 --> 0:28:58.80

Speaker 1

They are now DRQ for this circuit and that's kind of a it's a situation that we are considering.

0:28:58.670 --> 0:29:12.70

Speaker 1

The third section display the information about the substation and it's the same basically as the circuit with the remaining hosting capacity and the Dr in queue.

0:29:12.310 --> 0:29:29.520

Speaker 1

For this one, you'll see that for this substation, the DRN Q, it's almost two megawatts, the remaining hosting capacity for the substation it's 444.03 megawatts and.

0:29:33.570 --> 0:29:37.650

Speaker 1

I'm gonna go on and describe the current process overview.

0:29:39.200 --> 0:29:45.730

Speaker 1

It starts with extracting manually, extracting the circuits.

0:29:47.130 --> 0:29:52.850

Speaker 1

We're using a tool created by sign and it's which is called Gateway.

0:29:54.230 --> 0:29:58.750

Speaker 1

As of now, they are extracted by substation.

0:29:58.800 --> 0:30:17.430

Speaker 1

The substation are a number of substation are assigned to three or four distribution planning engineers and what they do, they create a model and actually they manually verify and they validate the accuracy of the model.

0:30:17.960 --> 0:30:40.650

Speaker 1

This is an extremely time consuming and resources consuming activity and this is where I we we we hope that the automation will will kick in and will save some time and the next slide will will specifically refer to this first stage.

0:30:41.140 --> 0:30:48.340

Speaker 1

The second stage is the ICA integration capacity analyzes from sign.

0:30:48.890 --> 0:30:54.480

Speaker 1

It is wrong and this is the second stage.

0:30:54.490 --> 0:31:1.650

Speaker 1

We create some problems and the problems are that it takes a long time to run it.

0:31:2.670 --> 0:31:3.70

Speaker 1

Uh.

0:31:3.150 --> 0:31:19.960

Speaker 1

Second issue is that the laptops which were currently use they don't have the necessary computer computing capacity and also sometimes they just crash after that.

0:31:21.310 --> 0:31:28.680

Speaker 1

That is CA generates that the some that files which are KML files.

0:31:29.170 --> 0:31:36.310

Speaker 1

The KMA files are being sent to the IT department and the IT Department tab.

0:31:36.450 --> 0:31:39.590

Speaker 1

It does the second.

0:31:39.740 --> 0:31:53.550

Speaker 1

The second review, the very first review takes place between stage #2 and stage #3, where the individual in charge of the running, the ICA.

0:31:53.700 --> 0:31:58.330

Speaker 1

It kind of goes and does based on the color level.

0:31:58.520 --> 0:32:18.460

Speaker 1

Does the first validation things which are escaping this verse validation are consider in the third step and then is either sent back to a the ICA to be run again or they are accepted.

0:32:19.520 --> 0:32:22.70

Speaker 1

Didn't this point at this?



0:32:22.120 --> 0:32:30.50

Speaker 1

After that all the KML file they are combined into one giant file.

0:32:30.960 --> 0:32:36.320

Speaker 1

All the tables for Excel tables for the plan or in queue.

0:32:37.190 --> 0:32:41.390

Speaker 1

Uh, Dr and the load on the feeder.

0:32:41.780 --> 0:32:44.760

Speaker 1

They are combined and the maps are published.

0:32:49.550 --> 0:32:51.810

Speaker 1

Uh, the very first day age.

0:32:52.40 --> 0:32:57.840

Speaker 1

Why it's it is difficult and what it takes so long.

0:32:58.920 --> 0:33:3.50

Speaker 1

The model creation stage in the hosting capacity.

0:33:4.850 --> 0:33:7.440

Speaker 1

Uh is the most time consuming.

0:33:7.450 --> 0:33:9.730

Speaker 1

I can say that with with as a fact.

0:33:10.450 --> 0:33:10.730

Speaker 1

Uh.

0:33:11.120 --> 0:33:28.250

Speaker 1

In order to generate a system wide model, a tool as as as I mentioned, the gateway must compile information from different the database and actually put them together.

0:33:28.900 --> 0:33:44.260

Speaker 1

The gateway pulls data from GIS 8 SAP the customer and circuit load database and maps and this information within the same network modeling application.

0:33:45.260 --> 0:34:10.480

Speaker 1

The margle that gets generator must be review to verify and validate the accuracy of information included in the model and on the top you can see how many sources they are for this model generation and they have to be review all of them after the review and clean up of the system is completed.

0:34:12.790 --> 0:34:13.70

Speaker 1

Uh.

0:34:13.430 --> 0:34:17.340

Speaker 1

The uh ICA module is is run.

0:34:22.420 --> 0:34:32.260

Speaker 1

It's go goes without saying that, uh, if the model is not right, the results from the ICA run, they not gonna be right.

0:34:33.240 --> 0:34:34.660

Speaker 1

And with that, with that.

0:34:34.710 --> 0:34:37.170

Speaker 1

Uh, we did experience some of that.

0:34:38.20 --> 0:34:41.390

Speaker 1

The limitation of the the current system.

0:34:42.80 --> 0:34:47.700

Speaker 1

It requires a manual verification and validation of data.

0:34:49.990 --> 0:35:14.320

Speaker 1

The DRN, Q, or interconnected to secondary, they are not included in the model and the way the the ICA runs it approximates the minimum daytime load as a percentage of the peak load and the circuit from the same substation.

0:35:14.680 --> 0:35:17.690

Speaker 1

They are modeled independent of each other.

0:35:18.40 --> 0:35:25.390

Speaker 1

It is time consuming and resource intensive what we expect from the automation.

0:35:26.380 --> 0:35:40.100

Speaker 1

We expecting a improve costing capacity futures and also we improve this improve customer experience for this point.

0:35:40.110 --> 0:35:44.100

Speaker 1

We are at early stage, this is has not been implemented.

0:35:44.110 --> 0:35:48.970

Speaker 1

We've been talking about maps will look a little bit different right now.

0:35:49.970 --> 0:35:52.110

Speaker 1

Uh, but a load.

0:35:52.120 --> 0:36:3.970

Speaker 1

It's represented by a triangle we've been talking about having this one the symbol as a transformer, that again, this is the initial stage for it.

0:36:4.580 --> 0:36:9.30

Speaker 1

We are expecting an automation of interconnecting steps.

0:36:9.220 --> 0:36:26.130

Speaker 1

The stage number one, we expect that to be fully interconnected and also we expect an interface with power clerk and that does the the last page in the map publishing we we expect that one to be fully automated.

0:36:26.980 --> 0:36:31.860

Speaker 1

Uh, that'll that'll free free app that will free up valuable resources.

0:36:31.910 --> 0:36:39.110

Speaker 1

I did that and yes, it is time consuming and it's uh, it takes a lot of time.

0:36:39.120 --> 0:36:59.260

Speaker 1

Sorry that also moving from performing the ICA and the laptop computers, moving that into a server run type of application will improve the speed and accuracy of the results.

0:37:5.340 --> 0:37:11.200

Speaker 1

The cost estimate for a daily update of the ICM.

0:37:12.580 --> 0:37:19.610

Speaker 1

Uh, I have to start by saying this is a high level conceptual estimate.

0:37:19.790 --> 0:37:23.930

Speaker 1

It does probably might not be a real one.

0:37:24.380 --> 0:37:35.50

Speaker 1

It could be a a lot more expensive than it actually displayed in there the the start of the timeline of the project.

0:37:35.60 --> 0:37:45.930

Speaker 1

The project could start as soon as Pura Pura, proof and actually the some of the current projects are completed.

0:37:46.620 --> 0:37:49.630

Speaker 1

And also depends on the vendor engagement.

0:37:49.980 --> 0:37:55.230

Speaker 1

The most important propose of or in uh.

0:37:57.450 --> 0:38:6.340

Speaker 1

Progress uh project is the pie link of the C of the the sign to  $\pi$  historian application.

0:38:7.130 --> 0:38:22.910

Speaker 1

It will take one to two years to complete the project and I will go over everything that's in the scope and also what is being expected as cost.

0:38:23.560 --> 0:38:27.430

Speaker 1

So the first one is a software update.

0:38:29.650 --> 0:38:31.980

Speaker 1

It's a completely software update.

0:38:32.120 --> 0:38:43.240

Speaker 1

Sign software will be automated to do the calculation and assign server and also will.

0:38:43.300 --> 0:38:59.440

Speaker 1

That is also the that, that that run will be compile into Oracle database and that database will be used by UI to review and the publish and to publish results.

0:39:0.450 --> 0:39:11.360

Speaker 1

The dashboard it's a way to troubleshoot and control that application, so that's the software update to the application itself.

0:39:11.810 --> 0:39:19.460

Speaker 1

The second item is the hardware and software update, and that's one time charge charge.

0:39:19.750 --> 0:39:22.30

Speaker 1

The software is also one time charge.

0:39:22.40 --> 0:39:23.440

Speaker 1

The hardware software.

0:39:23.490 --> 0:39:25.180

Speaker 1

It's also one time charge.

0:39:25.690 --> 0:39:35.20

Speaker 1

Please a look at it's it's not only the server, the server, it's one part of this intended.

0:39:36.280 --> 0:39:45.810

Speaker 1

Upgrade, but it's also the agents for the servers, so requires multiple sets of the sign server licenses.

0:39:46.260 --> 0:39:54.420

Speaker 1

Also, multiple sign agents for that server licenses and multiple sign distribution.

0:39:54.970 --> 0:40:11.770

Speaker 1

Uh, that I see A and the ICA module itself, so this is it's a major component of the cost for this uh proposed upgrade.

0:40:13.120 --> 0:40:56.240

Speaker 1

The third item is the implementation of the the the the application itself and uh internal technical and IT cost the the the that this implementation requires a dedicated team of engineers to support the application, the implementation, the vendor can do this much uh that much but it needs it needs uh people from IT in its people, from GIS, from SAP to actually work with and perform and complete the upgrade.

0:40:56.690 --> 0:41:13.300

Speaker 1

The estimate is for six people six weeks, a total of 1440 hours of a of work to implement these uh application.

0:41:15.320 --> 0:41:17.240

Speaker 1

The application is not fee.

0:41:17.310 --> 0:41:23.460

Speaker 1

The application has a annual maintenance fee which is actually recurring its every year.

0:41:24.470 --> 0:41:26.100

Speaker 1

We have to keep that in mind.

0:41:26.170 --> 0:41:36.890

Speaker 1

That's a cost that is added to the project in addition to whatever we are planning an item one and two software and.

0:41:38.570 --> 0:41:40.200

Speaker 1

Hardware update.

0:41:40.770 --> 0:42:9.760

Speaker 1

We are in division two more updates which will create a direct link between the power clerk and GIS that will be one and the second one is the interface between the Oracle database resulting from the sign ICA run and the website for Map publishing that will be the last step after everything has been validated.

0:42:9.770 --> 0:42:12.300

Speaker 1

Everything for has been approved.

0:42:12.750 --> 0:42:15.780

Speaker 1

This one should be just be a push over the bottom.

0:42:15.910 --> 0:42:25.950

Speaker 1

We hope one major component of the cost is the internal support cost.

0:42:26.300 --> 0:42:43.350

Speaker 1

So by this one what I mean that every year, uh, you have to have people which are running the application and also they ensure that the application is the publish data.

0:42:43.420 --> 0:42:44.170

Speaker 1

It's OK.

0:42:45.30 --> 0:42:51.500

Speaker 1

So this is a dedicated team to resolve the technical issue during the run.

0:42:52.50 --> 0:42:54.120

Speaker 1

Check the accuracy of results.

0:42:54.230 --> 0:43:3.950

Speaker 1

Validate the data and also will be in charge of receiving feedback from the customer and and.

0:43:5.150 --> 0:43:23.140

Speaker 1

Resolving some of the complaints and notifications, we are estimated this one to be A6 full time employee and that total cost will be around 2 point.

0:43:24.870 --> 0:43:35.230

Speaker 1

I I would say \$2.5 million and I will say that this one more time this is a high level conceptual conceptual estimate.

0:43:43.650 --> 0:43:54.590

Speaker 1

The real time updates it's possible in theory, however they are several things that we have to consider on this one.

0:43:55.390 --> 0:44:9.240

Speaker 1

The first one is the heavy computer should not computing power required for it was mentioned that it has to run a certain number of hours of overnight.

0:44:9.290 --> 0:44:14.600

Speaker 1

Things like that, yes, we just don't know how long it's gonna take.

0:44:14.690 --> 0:44:41.270

Speaker 1

That is based the the the length of the time is based on the how many sign agents running the application are are needed, how many licenses are needed, so those things are only the experimenting with them and timing the run of the application will tell us how long it's gonna take.

0:44:42.560 --> 0:44:47.470

Speaker 1

Uh, fortunately, Ethan advanced the distribution planning system.

0:44:47.480 --> 0:44:48.250

Speaker 1

Solution.

0:44:48.260 --> 0:44:50.240

Speaker 1

Its case is scalable.

0:44:50.400 --> 0:45:34.210

Speaker 1

In other words, if the time is not where we think it is, more servers will be added, more licenses will be added does not solve the strain in the resources, resources, the team for daily support is still requires a big expense and it is also a question that something that was mentioned in just presentation that the daily number of Dr application might not justify a daily updates of the maps we've been talking with some other utilities in the industry and one of them is.

0:45:35.110 --> 0:45:39.900

ROBERT WHELAN

Ohh, so this Saturday I'm all for stability this week.

0:45:40.10 --> 0:45:41.40

ROBERT WHELAN

Next week, first time.

0:45:42.190 --> 0:45:46.140

Speaker 1

That one of them is Pacific gas and Electric company.

0:45:46.370 --> 0:46:1.10

Speaker 1

So they they actually what they are, uh, and that's doing that, they are doing only 15, they're updating the maps only for only 15% of the system at the time.

0:46:1.360 --> 0:46:10.930

Speaker 1

They are doing it monthly, but they have to scale down the amount of number of feeders or circuits they are doing.

0:46:10.940 --> 0:46:27.760

Speaker 1

The updates of the maps UI is proposing an incremental approach, taking advantage of the design scalable design and implementing an exception program.

0:46:28.490 --> 0:46:33.710

Speaker 1

So by by exception program.



0:46:34.800 --> 0:46:37.110

Speaker 1

Uh, what do I mean by that?

0:46:37.120 --> 0:46:50.810

Speaker 1

It is something a map will be updated as soon as exception program triggers trigger that update and by trigger.

0:46:51.370 --> 0:47:15.990

Speaker 1

What I meant by that is the uh circuit material modifications such as reconductoring or a configuration change and as well of any large Dr addition proposed to a certain to a circuit by deed by large DVR.

0:47:16.40 --> 0:47:24.810

Speaker 1

I'm just uh, throwing a size in there for now as one megawatts, but that will be the it's subject to discussion.

0:47:25.210 --> 0:47:27.0

Speaker 1

So this exception program.

0:47:27.950 --> 0:47:31.230

Speaker 1

So what we are proposing is to update the maps.

0:47:32.700 --> 0:47:40.820

Speaker 1

Uh, four times a year and update the Dr tables by monthly.

0:47:41.350 --> 0:47:57.250

Speaker 1

If you remember the 2nd or the 3rd slide in this presentation, we have information resulting from the load flow and we have information static information as the DRN Q.

0:47:57.560 --> 0:48:2.560

Speaker 1

So we proposing updating that one by monthly.

0:48:4.400 --> 0:48:11.620

Speaker 1

So with that, I do have a cost estimate for this proposal.

0:48:13.10 --> 0:48:15.620

Speaker 1

The software update one time charge.

0:48:17.570 --> 0:48:19.420

Speaker 1

It's about the same.

0:48:19.950 --> 0:48:25.560

Speaker 1

It doesn't matter that you are doing it for one server or multiple servers.

0:48:26.130 --> 0:48:30.920

Speaker 1

The big difference is on the second one the hardware update.

0:48:31.30 --> 0:48:49.480

Speaker 1

So as of now, the proposal is for one server five time agents for server licenses, 5 sign distribution analyzes for server license and five sign integration capacity analyzes for server licenses.

0:48:49.540 --> 0:48:49.850

Speaker 1

Yes.

0:48:50.480 --> 0:48:53.110

Speaker 1

So this is the one of the big difference.

0:48:53.300 --> 0:48:57.670

Speaker 1

The implementation of the software and the hardware.

0:48:58.160 --> 0:49:2.240

Speaker 1

It's the same on the on the two proposals, they are nothing.

0:49:3.80 --> 0:49:4.530

Speaker 1

Uh, different.

0:49:4.900 --> 0:49:6.660

Speaker 1

The annual maintenance fee.

0:49:9.500 --> 0:49:12.390

Speaker 1

It is about the same for both of them.

0:49:12.400 --> 0:49:15.370

Speaker 1

It ranges from 40,000 to 60.

0:49:15.380 --> 0:49:34.120

Speaker 1

That's that's not which causes the big concern over here, and we still intend of making of interfacing the power clear two GIS and also interfacing the Oracle database to the map publishing.

0:49:34.130 --> 0:49:36.750

Speaker 1

That's we gonna keep that in there.

0:49:37.220 --> 0:49:40.600

Speaker 1

And also one big difference we are.

0:49:41.220 --> 0:49:58.960

Speaker 1

Estimated IM estimated that for this situation we'll need only 6 individuals for six weeks period or for a total of 1440 thousand hours.

0:49:59.430 --> 0:50:4.350

Speaker 1

That's a big difference from the previous slide, with a full time employee.

0:50:7.530 --> 0:50:20.30

Speaker 1

Benefits we we agree that automating the entire process will be or present many, many benefits.

0:50:20.460 --> 0:50:25.570

Speaker 1

There will be benefits to the interconnection screen screen.

0:50:25.580 --> 0:50:49.600

Speaker 1

We will also simplify the interconnection process, will automatically identify projects that require additional interconnection study and a more efficient impact study process and other words data which we used to get from different database for the impact study process.

0:50:50.90 --> 0:50:55.670

Speaker 1

They will be there all the time and ready to be used.

0:50:56.300 --> 0:51:24.220

Speaker 1

As for distribution planning, the benefits for other activities right now we have a map which will publish and we look at the EV addition we might use that one, we can use that one to implement a new load addition studies and to automate that process.

0:51:24.730 --> 0:51:27.840

Speaker 1

We that might require additional funding.

0:51:28.30 --> 0:51:32.800

Speaker 1

We actually didn't look into this one in details.

0:51:36.170 --> 0:51:39.20

Speaker 1

That's that concludes my presentation.

0:51:39.80 --> 0:51:42.40

Speaker 1

And do you have any questions?

0:51:44.840 --> 0:51:45.770

Apollonia, Rory

Alright, thank you.

0:51:46.200 --> 0:51:49.540

Apollonia, Rory

If anybody has questions for you, why, please raise your hand.

0:52:2.330 --> 0:52:3.840

Apollonia, Rory

Well, I have a question.

0:52:3.850 --> 0:52:14.390

Apollonia, Rory

If nobody has any other questions on great presentation on slide three, you mentioned you didn't have the information regarding the Middle East connection.

0:52:15.350 --> 0:52:15.850

Apollonia, Rory

Umm.

0:52:16.700 --> 0:52:17.210

Apollonia, Rory

When?

0:52:17.420 --> 0:52:18.920

Apollonia, Rory

What do you think you're gonna have?

0:52:22.370 --> 0:52:24.220

Apollonia, Rory

Uh, information.

0:52:24.310 --> 0:52:32.170

Apollonia, Rory

This slide 3 right and it's uh towards the bottom of the page, Middle East ICA.

0:52:34.550 --> 0:52:35.500

Apollonia, Rory

Well, yeah.

0:52:35.510 --> 0:52:37.600

Apollonia, Rory

So when when do you think you're gonna have that information?

0:52:37.610 --> 0:52:39.420

Apollonia, Rory

And it's interesting.

0:52:39.490 --> 0:52:40.890

Apollonia, Rory

The Middle East connection.

0:52:41.10 --> 0:52:50.500

Apollonia, Rory

I know you don't have the information right now, but if you have any other, uh, brief points about it, I would like to hear it.

0:52:52.820 --> 0:52:54.950

Speaker 1

Uh, that's OK.

0:52:54.960 --> 0:52:56.610

Speaker 1

That's not a new why?

0:52:56.650 --> 0:52:58.50

Speaker 1

Uh, initiative.

0:52:58.60 --> 0:53:41.200

Speaker 1

That's the Avangrid initiative and uh, I can summarize the aims of this project as following to support Avangrid to develop a solution for the frequent updates of hosting capacity maps and future again future real time basis as assist in developing the processes and recommend improvements for hosting capacity maps, data validation, quality assurance and testing. And.

0:53:44.200 --> 0:53:51.340

Speaker 1

Gets assist Avangrid in advising in parallel computational power.

0:53:52.150 --> 0:53:55.420

Speaker 1

Again, this is a a corporate initiative.

0:53:56.770 --> 0:54:2.560

Speaker 1

I I don't have that many information about this one.

0:54:2.630 --> 0:54:3.570

Speaker 1

I'm sorry about that.

0:54:4.940 --> 0:54:5.930

Apollonia, Rory

Uh, it's it's alright.

0:54:5.940 --> 0:54:6.690

Apollonia, Rory

I appreciate it.

0:54:7.20 --> 0:54:9.510

Apollonia, Rory

I do see a hand now from Ed.

0:54:9.880 --> 0:54:10.630

Apollonia, Rory

Ed Kaye.

0:54:12.990 --> 0:54:16.980

Edward P. Kranich

Hey, and this is Ed Cranach from the Connecticut Green Bank.

0:54:17.190 --> 0:54:18.400

Edward P. Kranich

Just a quick question.

0:54:18.750 --> 0:54:29.120

Edward P. Kranich

I don't know if I missed this, but so seeing the timeline looking at like 3 to five years or so, is this all still proposed or is this something that?

0:54:30.850 --> 0:54:42.570

Edward P. Kranich

UI is internally approved to go ahead and start devoting the resources to this or does this have any other hurdles to to go over before it can begin?

0:54:45.230 --> 0:54:45.400

Speaker 1

OK.

0:54:45.410 --> 0:54:45.920

Speaker 1

Thank you.

0:54:45.970 --> 0:54:48.850

Speaker 1

Uh, the very first group on the path.

0:54:48.860 --> 0:54:51.320

Speaker 1

Those are completed projects.

0:54:51.530 --> 0:54:53.280

Speaker 1

That's what it is.

0:54:55.480 --> 0:54:55.680

Edward P. Kranich

Yep.

0:54:53.760 --> 0:55:2.100

Speaker 1

And the second group it's in progress and in planning this one, it's started in 2023.

0:55:2.530 --> 0:55:9.270

Speaker 1

We hope it's gonna be completed by 2000, beginning of 2000 of 2024.

0:55:11.630 --> 0:55:12.720

Speaker 1

Uh, what?

0:55:12.730 --> 0:55:17.420

Speaker 1

We learned that, OK, it might go a little bit longer.

0:55:17.750 --> 0:55:21.780

Speaker 1

So I will say that this project is a.

0:55:21.820 --> 0:55:26.610

Speaker 1

It's a very important a step in.

0:55:26.790 --> 0:55:35.600

Speaker 1

Implementing the same automation, it's we're gonna need something like a implementing the project.

0:55:35.750 --> 0:55:46.480

Speaker 1

We also will need something for testing and getting accustomed to the new oil, new new way of performing the ICA.

0:55:46.990 --> 0:55:51.920

Speaker 1

So that's why the timing is, is.

0:55:53.240 --> 0:55:56.190

Speaker 1

It's my understanding of the timing.

0:55:56.360 --> 0:55:59.220

Speaker 1

I'm not sure if that has been approved or not.

0:56:0.490 --> 0:56:3.130

Speaker 1

I'm pretty sure about this one.

0:56:3.250 --> 0:56:3.450

Speaker 1

I'm.

0:56:4.840 --> 0:56:24.440

Speaker 1

I will say the second, the second project, the April collaboration, I believe for that one the completion time it's about 18 months and the cost is 145,000.

0:56:24.610 --> 0:56:27.960

Speaker 1

UI will take will support only 7000.

0:56:28.140 --> 0:56:41.180

Speaker 1

It's gonna be divided between the four companies, but again 18,000 other, I mean, 18 months is gonna take us somewhere in 2025 probably.

0:56:42.70 --> 0:56:42.500

Edward P. Kranich

OK.

0:56:42.590 --> 0:56:45.810

Edward P. Kranich

And actually, if I may just just clarify.

0:57:3.510 --> 0:57:4.400

Speaker 1

Yes.

0:56:45.820 --> 0:57:4.970

Edward P. Kranich



So on the on the proposed section on the bottom, the same automation, so obviously that can't happen before the previous three items are completed is that's that's right. OK.

0:57:4.490 --> 0:57:10.520

Speaker 1

However, the very first two, the first two items are vital.

0:57:11.30 --> 0:57:19.220

Speaker 1

The third one I believe we can say, hey, it might go one without that, but the first one is the 1st and the second one are vital.

0:57:20.660 --> 0:57:21.70

Edward P. Kranich

Gotcha.

0:57:21.120 --> 0:57:21.630

Edward P. Kranich

OK.

0:57:21.690 --> 0:57:22.40

Edward P. Kranich

Thank you.

0:57:26.290 --> 0:57:29.450

Apollonia, Rory

Alright, so if anybody else has a question, raise your hand.

0:57:30.850 --> 0:57:40.720

Apollonia, Rory

But I do wanna thank both Eversource and UI for the presentations I noticed in the chat that one party requested eversource's presentation.

0:57:41.290 --> 0:57:48.700

Apollonia, Rory

I'm gonna reach out to both UI and Eversource to get these presentations, and I'm gonna post them to the parallel website.

0:57:48.710 --> 0:57:52.840

Apollonia, Rory

So all parties here you can see it as well as the public.

0:57:53.450 --> 0:58:1.40

Apollonia, Rory

So once again, if there's no further questions, I wanna thank Eversource and UI for putting together these presentations there.

0:58:1.750 --> 0:58:4.630

Apollonia, Rory

Umm, very good, so thank you.

0:58:6.90 --> 0:58:6.490

Speaker 1

Thank you.

0:58:8.670 --> 0:58:9.10

Debs, Joseph N

Thank you.

0:58:9.280 --> 0:58:9.820

Apollonia, Rory

You got it.

0:58:11.520 --> 0:58:15.390

Apollonia, Rory

Alright, moving forward.

0:58:17.720 --> 0:58:18.480

Apollonia, Rory

We're going to go to.

0:58:21.710 --> 0:58:28.670

Apollonia, Rory

Topic 3 which is Mike Trahan's topic about Peru's docket. #22.

0:58:29.590 --> 0:58:40.320

Apollonia, Rory

0803 motion #12 ruling and Ian, you're still sharing your screen so.

0:58:41.660 --> 0:58:42.330

Speaker 1

OK.

0:58:42.520 --> 0:58:42.940

Speaker 1

It's done.

0:58:43.860 --> 0:58:50.230

Apollonia, Rory

Like, OK, so Mike, you can take it away or I can share the ruling if you want.

0:58:52.820 --> 0:58:55.800

Mike Trahan

Well, what I can give some quick background history.

0:58:55.810 --> 0:58:57.770

Mike Trahan

Good morning and good morning everyone.

0:58:57.940 --> 0:59:17.560

Mike Trahan

This has to do with the a ruling that Pera made late last month on a motion that was filed by a A member of our Group, a commercial and res developer who felt that there were some inconsistencies between the Andres program manual and the information requirements guidelines.

0:59:18.390 --> 0:59:26.100

Mike Trahan

This had to do with allowing line side taps in existing customer uh Swiss gear on by all interconnections.

0:59:27.90 --> 0:59:54.120

Mike Trahan

It's my understanding that that particular developers particular issues were dealt with by PERA in a separate ruling, but one of the things that uh, Connecticut solar and storage asked Pera was to have the interconnection working group get into how it is that we can avoid future issues that that developers think are gonna surely gonna come up on this issue.

0:59:54.870 --> 0:59:55.910

Mike Trahan

Umm Peru.

0:59:55.920 --> 0:59:56.440

Mike Trahan

Agreed.

0:59:57.150 --> 1:0:5.90

Mike Trahan

We'd asked per again, rather than seeking a ruling from Peru, we asked that this that the interconnection working group be given a shot at trying to.

1:0:6.270 --> 1:0:7.570

Mike Trahan

Resolve some of these issues.

1:0:7.580 --> 1:0:12.610

Mike Trahan

So per said, go ahead and ask that the.

1:0:13.850 --> 1:0:30.930

Mike Trahan

Specific members groups, representatives from Eversource and UI in the DG Group, the Meter Service group, Field Service engineering, both from Eversource and UI B on the call along with developer so that we can kind of see if we can work out a solution.

1:0:31.730 --> 1:0:33.470

Mike Trahan

Uh, that's kind of it.

1:0:34.250 --> 1:0:40.500

Mike Trahan

Umm, I know that the Eversource had raised some issues in its filing.

1:0:41.340 --> 1:0:42.530

Mike Trahan

Uh, with per?

1:0:42.610 --> 1:0:53.350

Mike Trahan

But I think First things first, if if we could be sure that we have representatives from those groups at the EDC's on the call, maybe we can just kind of confirm that first before we kind of get into it.

1:0:53.360 --> 1:0:56.120

Mike Trahan

It the meat and potatoes of this.

1:0:59.810 --> 1:1:0.110

Apollonia, Rory

Good.

1:1:0.120 --> 1:1:0.490

Apollonia, Rory

Great.

1:1:0.870 --> 1:1:2.750

Apollonia, Rory

Hopefully you can see my screen.

1:1:2.910 --> 1:1:5.60

Apollonia, Rory

I am sharing a document.

1:1:5.980 --> 1:1:15.830

Apollonia, Rory

Uh, but yes, we we have reached out to both UI and Eversource or the appropriate staff to be on the call.

1:1:15.880 --> 1:1:16.500

Apollonia, Rory

So I'm gonna.

1:1:18.160 --> 1:1:29.480

Apollonia, Rory

I do see a hand up from Brian Rice, but first, unless you are from Eversource or UI, I just wanna make sure that we have the right people on the call.

1:1:29.550 --> 1:1:32.930

Apollonia, Rory

So, first ever source, who do you have here?

1:1:34.910 --> 1:1:35.380

Rice, Brian J

They're right.

1:1:35.390 --> 1:1:39.190

Rice, Brian J

So this is Brian Rice for director of customer solar programs for Eversource.

1:1:40.640 --> 1:1:40.900

Apollonia, Rory

OK.

1:1:39.850 --> 1:1:50.570

Rice, Brian J

And on this particular topic, I was gonna indicate that Chris Kellogg, manager meter operations is on as well as other Eversource.

1:2:5.330 --> 1:2:5.690

Apollonia, Rory

Alright.

1:1:51.120 --> 1:2:7.840

Rice, Brian J

Staff familiar with this topic, so I I don't know if you want them to raise their hands or if they have, if they can speak up on this topic but just direct how you want us to to present or or I should say participate in the discussion.

1:2:9.800 --> 1:2:10.410

Apollonia, Rory

Thank you.

1:2:10.500 --> 1:2:10.940

Apollonia, Rory

Thank you.

1:2:11.140 --> 1:2:17.830

Apollonia, Rory

We're gonna continue with the raise in the hands after the feedback, so whoever from your team wants to start it off.

1:2:18.640 --> 1:2:22.840

Apollonia, Rory

I guess to talk about your side, please raise your hand.

1:2:31.400 --> 1:2:31.890

Apollonia, Rory

Yes.

1:2:31.900 --> 1:2:33.120

Apollonia, Rory

Uh, Chris Kellogg.

1:2:35.760 --> 1:2:44.400

Kellogg, Christopher M

I I guess I can start out to discuss the topic and the metering diagrams that are currently posted for the NRES program.

1:2:46.600 --> 1:2:53.390

Kellogg, Christopher M

What we have seen for the inquiry from Earth light was related to a specific project.

1:2:54.670 --> 1:3:1.840

Kellogg, Christopher M

When I look at our nres diagrams, they do clearly illustrate all the these are not technical documents.

1:3:2.60 --> 1:3:6.80

Kellogg, Christopher M

They do not indicate aligns side tab for any new.

1:3:6.90 --> 1:3:6.680

Kellogg, Christopher M

Biol.

1:3:6.730 --> 1:3:8.980

Kellogg, Christopher M

And they specifically do reference.

1:3:6.40 --> 1:3:9.580

Rice, Brian J

Yeah, so, well, this is really bothering me as important.

1:3:12.110 --> 1:3:14.720

Rice, Brian J

It's like the program was like, well, the program.

1:3:16.290 --> 1:3:18.130

Rice, Brian J

OK, so.

1:3:9.790 --> 1:3:23.470

Kellogg, Christopher M

They specifically do reference the fact that the disconnects have to be grouped and located on the exterior, so I would I would be curious to see where the confusion lies that's referenced in a document.

1:3:31.980 --> 1:3:32.380

Apollonia, Rory

Right.

1:3:33.60 --> 1:3:38.760

Apollonia, Rory

Mike, do you wanna further explain where, where the confusion may be?

1:3:41.820 --> 1:3:57.470

Mike Trahan

Well, I did the the authority in the ruling said that the and I'll just read from the ruling a little bit that technical interconnection discussions surrounding the topics including the motion should have occurred and been raised by the program administrators prior to Peru approval of the NSA program.

1:3:57.480 --> 1:4:15.350

Mike Trahan

So Percy seems to think that there's some inconsistencies here, and I, and I do, according to the developers, feel that they're hearing one thing from one department at Eversource, getting some approval to move forward, only to find out later that there were other project work that needed to be done.

1:4:15.660 --> 1:4:24.590

Mike Trahan

That was a gonna delay the project and be add significant cost and if there are, if there are developers, I know there's a couple of on the phone that could speak directly to that.

1:4:24.600 --> 1:4:34.920

Mike Trahan

But yeah, I'm hoping that there's a solution here that that we could reach to, you know, any number of these issues.

1:4:34.930 --> 1:4:38.150

Mike Trahan

But, but I'd ask, you know, some of our developers to kind of chime in at this point.

1:4:42.360 --> 1:4:43.470

Apollonia, Rory

OK, good.

1:4:43.810 --> 1:4:44.340

Apollonia, Rory

Good to see that.

1:4:43.140 --> 1:4:44.620

Mike Trahan

I think we may have a couple on the phone.

1:4:46.950 --> 1:4:47.840

Apollonia, Rory

Yeah, developers.

1:4:47.850 --> 1:4:50.480

Apollonia, Rory

If you wanna jump in, just raise your hand.

1:4:51.110 --> 1:4:54.140

Apollonia, Rory

If not, we can continue with Eversource.

1:4:54.150 --> 1:4:58.400

Apollonia, Rory

If Eversource, I do see one one hand from Lafayette.

1:4:59.730 --> 1:5:3.840

nlafayette shrenergy.com

Yeah, I'm not an engineer, so I'll let those people speak to it.

1:5:3.910 --> 1:5:10.540

nlafayette shrenergy.com

But generally, in a nutshell, what's happening is we submitted design stamp design to the GG group.

1:5:10.550 --> 1:5:11.820

nlafayette shrenergy.com

They approve it.

1:5:11.910 --> 1:5:18.100

nlafayette shrenergy.com

Then once construction starts, a field engineer shows up and says, no, you can't do it that way.

1:5:18.110 --> 1:5:19.140

nlafayette shrenergy.com

Do it this way.

1:5:19.270 --> 1:5:24.0

nlafayette shrenergy.com

In some cases, it had already been built and it had to be taken down and moved.

1:5:24.70 --> 1:5:37.410

nlafayette shrenergy.com

So what we're seeing is, is it a design gets approved by the DG Group and then the field engineer on site changes it and sometimes this can be quite significant to the tomb of five or six figures.



1:5:37.760 --> 1:5:48.390

nlafayette shrenergy.com

So what we'd like to see is just clearly it's a question of does one hand know what the other hand's doing and that kind of thing can be really economically detrimental?

1:5:49.10 --> 1:5:53.880

nlafayette shrenergy.com

Umm, it's happened with a customer where they baked into their finances.

1:5:53.890 --> 1:5:55.580

nlafayette shrenergy.com

They were gonna get production this summer.

1:5:55.590 --> 1:6:13.610

nlafayette shrenergy.com

They ran into this situation and now they're losing all this seasons production, so I think this is a growing problem, but what's not OK is the DG Group saying, well, that's the field services problem, like your one company.

1:6:13.620 --> 1:6:15.40

nlafayette shrenergy.com

We have to fix this problem.

1:6:15.110 --> 1:6:19.250

nlafayette shrenergy.com

Others can get into specific details, but that's the gist of it, right?

1:6:19.360 --> 1:6:27.790

nlafayette shrenergy.com

And so I mean, I put it in layman's speak, if you build a deck and you get a permit at your house and then the building inspector comes out and says no, this is wrong.

1:6:27.800 --> 1:6:28.360

nlafayette shrenergy.com

Take it down.

1:6:28.370 --> 1:6:29.890

nlafayette shrenergy.com

You'd hit the roof, right?

1:6:31.230 --> 1:6:31.450

Apollonia, Rory

Right.

1:6:30.40 --> 1:6:32.570

nlafayette shrenergy.com

So it's really that's the nutshell.

1:6:32.580 --> 1:6:36.270  
nlafayette shrenergy.com  
So I'll let engineers speak to that, but that's it in general.

1:6:36.840 --> 1:6:38.100  
nlafayette shrenergy.com  
So we'll go from there.

1:6:38.110 --> 1:6:38.430  
nlafayette shrenergy.com  
Thank you.

1:6:39.870 --> 1:6:41.500  
Apollonia, Rory  
Alright, thank you for raising that.

1:6:41.510 --> 1:6:44.80  
Apollonia, Rory  
I see Carl has raised his hand, Carl.

1:6:53.80 --> 1:6:55.70  
Apollonia, Rory  
If you are speaking you, you are on mute.

1:7:10.770 --> 1:7:28.420  
Apollonia, Rory  
OK, ohm, hopefully you can get off mute, but if not, it's good to know that we had this situation in which it was approved and now the field engineer says we have to move it.

1:7:28.530 --> 1:7:30.590  
Apollonia, Rory  
I understand that there's a large cost there.

1:7:31.540 --> 1:7:33.100  
Apollonia, Rory  
Umm, that's good to know.

1:7:33.110 --> 1:7:36.610  
Apollonia, Rory  
As the authority, these are situations which I could see.

1:7:36.620 --> 1:7:42.20  
Apollonia, Rory  
Communication would probably solve this problem, so we're we're gonna.

1:7:42.400 --> 1:7:50.180  
Apollonia, Rory  
I'm gonna take this one down and hopefully we can address this and try and figure out.

1:7:50.460 --> 1:7:51.460

Apollonia, Rory  
That's OK, Carl.

1:7:51.760 --> 1:7:52.770

Apollonia, Rory  
It's it's all good.

1:7:53.380 --> 1:7:57.930

Apollonia, Rory  
We'll try and address this and not have developers in the future.

1:7:57.940 --> 1:8:5.940

Apollonia, Rory  
After you know pay like, I don't know you were saying a large amount of money after it gets approved and then in the field and needs to be moved.

1:8:5.950 --> 1:8:7.280

Apollonia, Rory  
I I can understand that.

1:8:7.870 --> 1:8:14.600

Apollonia, Rory  
So moving forward on UI, you are also on this motion ruling.

1:8:14.950 --> 1:8:17.180

Apollonia, Rory  
So who does you?

1:8:17.190 --> 1:8:19.760

Apollonia, Rory  
I have on the call that can speak about this.

1:8:25.740 --> 1:8:28.370

Apollonia, Rory  
Alright, I see a lot of hands now.

1:8:28.440 --> 1:8:32.500

Apollonia, Rory  
I'm gonna go first to Mike Trahan and then I'll go back to Lafayette.

1:8:32.540 --> 1:8:33.160

Apollonia, Rory  
Alright, so Mike.

1:8:34.340 --> 1:8:34.630

Mike Trahan  
Yeah.

1:8:34.640 --> 1:9:0.70

Mike Trahan

Well, just just real quick and I know that the that the utility said it, it made some some statements in in motions earlier and I just wanted to read one and and maybe if I could ask Chris to kind of flesh it out a little bit for us to one of the issues raised at the I'll just read it real quick modification to existing switch gear provided the utility provided the ability to tap the electrical bus for interconnection point ahead of the main breaker.

1:9:0.530 --> 1:9:9.110

Mike Trahan

This race is concerns regarding the original UL listing of the gear and can I just get a little bit clarification on on what those concerns are?

1:9:18.250 --> 1:9:18.880

Apollonia, Rory

OK.

1:9:19.410 --> 1:9:21.20

Apollonia, Rory

We're gonna go back to Chris.

1:9:21.70 --> 1:9:21.980

Apollonia, Rory

I see your hand is up.

1:9:23.710 --> 1:9:24.140

Kellogg, Christopher M

Sure.

1:9:24.150 --> 1:9:26.30

Kellogg, Christopher M

I just wanted to to address that.

1:9:26.170 --> 1:9:39.230

Kellogg, Christopher M

Obviously, any tapping of an existing switch gear or any changes or drilling of the bus technically alters the UL listing and that's why we raise the issue and the configuration that was proposed.

1:9:39.240 --> 1:9:40.870

Kellogg, Christopher M

There was multiple switch gears.

1:9:40.880 --> 1:9:46.80

Kellogg, Christopher M

It was tapped on the third switch gear in line, just so everybody's clear on that.

1:9:47.570 --> 1:9:57.290

Kellogg, Christopher M

So typically, once uh, any gear has been altered, the expectation is to go back to the manufacturer and obtain sign off stating that it has not voided the UL listing.

1:10:2.280 --> 1:10:2.480

nlafayette shrenergy.com

Yeah.

1:10:6.850 --> 1:10:7.150

Apollonia, Rory

OK.

1:10:5.600 --> 1:10:8.250

nlafayette shrenergy.com

Yeah, if I could speak to that, I just did.

1:10:8.340 --> 1:10:13.350

nlafayette shrenergy.com

I appreciate that perspective, but this stuff has been going on in other states for a long time.

1:10:13.600 --> 1:10:20.250

nlafayette shrenergy.com

So you're kind of saying, well, anytime anything's been altered, the manufacturer has to sign off on it.

1:10:20.260 --> 1:10:24.510

nlafayette shrenergy.com

It that's true, but we have the same issue with Transformers.

1:10:24.520 --> 1:10:29.550

nlafayette shrenergy.com

We're some of our developers are being told to tap into an existing transformer.

1:10:29.560 --> 1:10:30.630

nlafayette shrenergy.com

They gotta open it up.

1:10:30.640 --> 1:10:31.950

nlafayette shrenergy.com

They gotta see what's available.

1:10:31.960 --> 1:10:37.530

nlafayette shrenergy.com

What isn't available at and that issue wasn't coming up with that right?

1:10:37.680 --> 1:10:46.410

nlafayette shrenergy.com

So I I think the proper answer might be a bit more intricate than that and I just wanted to make it clear for for Rory, it's not just moving stuff.

1:10:46.420 --> 1:10:49.10  
nlafayette shrenergy.com  
Sometimes it's no this equipment is wrong.

1:10:49.90 --> 1:10:50.350  
nlafayette shrenergy.com  
They've already bought it.

1:10:50.470 --> 1:10:51.830  
nlafayette shrenergy.com  
They've already installed it.

1:10:52.290 --> 1:11:4.340  
nlafayette shrenergy.com  
Go get new equipment, particularly on the transformer tap in a lot of developers have really commented on that that it's not necessary and it's actually makes things harder and more expensive.

1:11:4.430 --> 1:11:9.520  
nlafayette shrenergy.com  
So I I I really like to hear from one of our developers who has an engineering background to lay that out.

1:11:9.610 --> 1:11:20.980  
nlafayette shrenergy.com  
I don't wanna get into every project because there's several of them, but it's if you if the answer is well, the manufacturer didn't sign off on it, that would be true for the Transformers as well.

1:11:21.90 --> 1:11:26.810  
nlafayette shrenergy.com  
So I'm not sure if that's the only issue, but again I'm not an engineer.

1:11:26.820 --> 1:11:48.970  
nlafayette shrenergy.com  
I'm a finance guy, so hopefully we have several developers on the phone that can speak to the engineering, but I don't wanna get into the granularity of this particular project or that particular project, but they're being told to tap into these Transformers, which is far more complicated, and from their engineering standpoint also electrical engineers is unnecessary and overcomplex, so hopefully they can.

1:11:49.380 --> 1:11:51.770  
nlafayette shrenergy.com  
You can get a dialogue going on that if you can.

1:11:54.960 --> 1:11:55.220  
Apollonia, Rory  
OK.

1:11:56.410 --> 1:11:57.140  
Apollonia, Rory  
Appreciate that.

1:11:58.310 --> 1:12:7.640

Apollonia, Rory

Umm, I understand what you're saying and, but first I I have to go with the hands.

1:12:7.880 --> 1:12:11.370

Apollonia, Rory

So I see deep S has.

1:12:11.780 --> 1:12:14.290

Apollonia, Rory

I believe it's the hand up.

1:12:14.460 --> 1:12:15.860

Apollonia, Rory

So you can come off mute.

1:12:17.70 --> 1:12:17.540

Deep Shamani(Solect)

Great.

1:12:18.190 --> 1:12:18.920

Deep Shamani(Solect)

Thanks so much.

1:12:19.170 --> 1:12:19.480

Deep Shamani(Solect)

Yeah.

1:12:19.490 --> 1:12:29.840

Deep Shamani(Solect)

So I mean this concern, thanks for pointing it out first for Chris that that we would altering we'll be altering the gear potentially, but we're actually not.

1:12:29.850 --> 1:12:41.760

Deep Shamani(Solect)

So the project that I mean like my product at the start of the call, we had this issue where the project is completely built and Eversource was scheduled to be out for an outage.

1:12:41.890 --> 1:12:49.130

Deep Shamani(Solect)

And that's when this issue was brought up by field engineering that this is not a proof cannot be done electrically.

1:12:49.200 --> 1:12:56.350

Deep Shamani(Solect)

The the single line was submitted by a stamped engineer to to the DG Group for an approval.

1:12:56.800 --> 1:13:11.950

Deep Shamani(Solect)

Also, in conversations with the building inspector during the permitting process, this concern was addressed through a letter that was drafted again by an electrical PE where the terminations on the bus itself are on open logs that are available.

1:13:11.960 --> 1:13:23.410

Deep Shamani(Solect)

So there's no alteration that is being made on the gear, so that intent that doesn't affect the UL listing off the gear in any manner now.

1:13:23.480 --> 1:13:26.680

Deep Shamani(Solect)

I mean, going back to the point of connecting into the transformer.

1:13:27.670 --> 1:13:34.180

Deep Shamani(Solect)

Uh, someone mentioned that this is holding the project up and that's true where the project by now should have been turned.

1:13:34.270 --> 1:13:38.300

Deep Shamani(Solect)

Should have been connected and should be in the queue to be turned on.

1:13:38.510 --> 1:13:43.480

Deep Shamani(Solect)

Now it's waiting for a ruling where the customer is now sitting on a system that's pure.

1:13:43.490 --> 1:13:48.210

Deep Shamani(Solect)

It's fully installed and can get the benefit from the upcoming soft.

1:13:48.270 --> 1:13:50.690

Deep Shamani(Solect)

Some are production just because of this issue.

1:13:53.920 --> 1:13:54.570

Apollonia, Rory

OK.

1:13:54.680 --> 1:13:55.190

Apollonia, Rory

Thank you.

1:13:55.200 --> 1:13:55.580

Apollonia, Rory

Deep.

1:13:55.890 --> 1:13:57.670

Apollonia, Rory

What organization are you from?



1:13:58.580 --> 1:13:59.740

Deep Shamani(Solect)  
I'm from select energy.

1:14:2.140 --> 1:14:2.710

Apollonia, Rory  
OK.

1:14:2.770 --> 1:14:3.220

Apollonia, Rory  
Thank you.

1:14:4.500 --> 1:14:6.110

Apollonia, Rory  
Umm, thanks for that.

1:14:6.120 --> 1:14:8.290

Apollonia, Rory  
We're gonna move on to James Schwartz.

1:14:10.470 --> 1:14:10.690

James Schwartz (Guest)  
Yeah.

1:14:10.700 --> 1:14:11.340

James Schwartz (Guest)  
Hi, can you hear me?

1:14:12.780 --> 1:14:13.0

Apollonia, Rory  
Yes.

1:14:13.690 --> 1:14:14.50

James Schwartz (Guest)  
Great.

1:14:14.60 --> 1:14:35.820

James Schwartz (Guest)

As Jim Schwartz from independent Solar, my comment not specific to any particular project, but just in general, I think that the solar community feels that we should be able to make you know code compliant line side taps in existing customer switch gear as long as it doesn't violate code or you will, listings et cetera.

1:14:36.150 --> 1:14:49.520

James Schwartz (Guest)

Seems like Eversource is taking the position that you can't do that and we wanna flush that out because in some cases it's just not feasible to add new secondaries into a transformer for a variety of reasons, or could be.

1:14:50.300 --> 1:14:53.70

James Schwartz (Guest)

Very expensive and time consuming.

1:14:53.80 --> 1:15:5.0

James Schwartz (Guest)

So we wanna kind of drill down on that of why if something's done in a code compliant and safe manner, which is done in other jurisdictions, Eversource is taking the position that it can't be done in Connecticut.

1:15:9.250 --> 1:15:9.530

Apollonia, Rory

OK.

1:15:10.730 --> 1:15:11.520

Apollonia, Rory

Thank you.

1:15:11.770 --> 1:15:13.770

Apollonia, Rory

Moving on to mark, OK.

1:15:15.150 --> 1:15:15.400

MARK KIRSCHBAUM

Yep.

1:15:15.410 --> 1:15:16.40

MARK KIRSCHBAUM

Thanks Rory.

1:15:16.150 --> 1:15:17.420

MARK KIRSCHBAUM

This mother, Kirsten, off from you.

1:15:17.430 --> 1:15:17.660

MARK KIRSCHBAUM

I will.

1:15:17.670 --> 1:15:22.420

MARK KIRSCHBAUM

I wanted to do is just take the opportunity to introduce the UI folks that are on the call.

1:15:22.430 --> 1:15:27.500

MARK KIRSCHBAUM

So if there's any any comments related to UI that that they are introduced.

1:15:27.510 --> 1:15:39.20

MARK KIRSCHBAUM

So we have Pierre Mcgraph from the our metering department that is on and we have Omar die up and and others from engineering that are also present on the call in case any UI questions arise.

1:15:41.590 --> 1:15:41.960

Apollonia, Rory

OK.

1:15:41.970 --> 1:15:42.360

Apollonia, Rory

Thank you.

1:15:42.90 --> 1:15:42.570

MARK KIRSCHBAUM

Taking your.

1:15:47.650 --> 1:16:1.930

Apollonia, Rory

So it, it seems, at least from my perspective as the representative from Shira, it seems quite complicated what's going on here, and and deep was talking about the field engineer and the stamps.

1:16:3.540 --> 1:16:20.290

Apollonia, Rory

If I could get more information about this, if you could reach out to me and try and further describe you know, this could be emails or we could set up a further meeting later on about what specifically happened here and what is going on that would be good.

1:16:20.360 --> 1:16:38.860

Apollonia, Rory

But in the meantime, before we move on to the Green Bank, uh, we have, does Eversource UI do you wanna just jump in and try to explain to the group and to myself what seems to be the issue here from your perspective?

1:16:41.710 --> 1:16:42.770

Apollonia, Rory

And then we'll get the mic.

1:16:44.360 --> 1:16:46.370

Apollonia, Rory

So Chris, I'm going to go with you first.

1:16:51.140 --> 1:16:51.570

Kellogg, Christopher M

OK.

1:16:51.580 --> 1:17:10.970

Kellogg, Christopher M

So, uh, we are consistent between Connecticut and Massachusetts for BIOS and standalones, the terminology slightly different, but ultimately a biol is considered to be a new service and should be fed accordingly as the diagram show and as the wording in the document state.

1:17:11.60 --> 1:17:19.740

Kellogg, Christopher M

So a new service is typically fed directly from the transformer, so a by all would be considered a new service as such.

1:17:23.710 --> 1:17:24.20

Apollonia, Rory

OK.

1:17:24.130 --> 1:17:24.510

Apollonia, Rory

Thank you.

1:17:26.570 --> 1:17:28.110

Apollonia, Rory

I'm gonna go, OK?

1:17:25.650 --> 1:17:37.380

Kellogg, Christopher M

And typically any adish additional work that's being done, obviously they would have to file a request for service and be consistent with feeding it a new service.

1:17:37.450 --> 1:17:41.140

Kellogg, Christopher M

So we are consistent on any standalone or by all service.

1:17:45.760 --> 1:17:46.0

Apollonia, Rory

OK.

1:17:47.270 --> 1:17:48.200

Apollonia, Rory

So Mike Tran.

1:17:50.710 --> 1:17:53.240

Mike Trahan

Yeah, Rory, if Deep had another comment to make.

1:17:53.250 --> 1:17:54.400

Mike Trahan

Uh, perhaps that would be good.

1:17:54.410 --> 1:17:57.410

Mike Trahan

I was just gonna wrap up, but if deep I had another comment, I saw his hand was raised.

1:17:57.580 --> 1:17:59.320

Apollonia, Rory

OK, deep.

1:18:0.220 --> 1:18:0.650

Deep Shamani(Solect)

Yeah.

1:18:0.660 --> 1:18:1.30

Deep Shamani(Solect)

Thank you.

1:18:1.40 --> 1:18:10.810

Deep Shamani(Solect)

Again, I mean, I just the only comment was again on Chris's comment where the consistency between versus and Eversource, Massachusetts and Connecticut.

1:18:11.200 --> 1:18:13.860

Deep Shamani(Solect)

So one thing what?

1:18:13.900 --> 1:18:23.940

Deep Shamani(Solect)

When we find applications and Eversource, Massachusetts, I mean this typically gets flagged ahead of time when this is going through engineering review, some some surprise that it didn't.

1:18:25.760 --> 1:18:39.520

Deep Shamani(Solect)

And secondly, I mean again, going back to the consistency, typically when they're when there is a connection proposed in an Eversource transformer, there are also limits on the number of conductors that can be terminated in the transformer.

1:18:40.0 --> 1:19:4.460

Deep Shamani(Solect)

In Eversource Massachusetts, that's 8 conductors, and if that's going to set a standard where all by all systems need to be connected into the transformer, this ruling is always not going to or the standard is not going to always apply because the you're gonna have instances where the number of conductors that terminate into the transformer are gonna exceed it because there's existing service.

1:19:4.510 --> 1:19:7.900

Deep Shamani(Solect)

Mr Can uh connections within the transformer itself?

1:19:7.940 --> 1:19:10.890

Deep Shamani(Solect)

So it's not always feasible to have that connection made.

1:19:11.0 --> 1:19:20.70

Deep Shamani(Solect)

And with Eversource Massachusetts, we've had multiple systems that have been approved to be connected into the customer switch gear.

1:19:20.80 --> 1:19:21.430

Deep Shamani(Solect)

When such instances arise.

1:19:25.940 --> 1:19:26.310

Apollonia, Rory

OK.

1:19:26.580 --> 1:19:27.520

Apollonia, Rory

Thank you for that.

1:19:27.840 --> 1:19:39.740

Apollonia, Rory

So it seems to me it's the engineering issue aspect for this situation and I see a new hand up Andre Schmidt.

1:19:42.390 --> 1:19:42.700

Andreas Schmid (Guest)

Yeah.

1:19:42.710 --> 1:19:43.380

Andreas Schmid (Guest)

Hi, can you hear me?

1:19:44.670 --> 1:19:44.790

Apollonia, Rory

Yes.

1:19:45.820 --> 1:19:46.190

Andreas Schmid (Guest)

Great.

1:19:46.200 --> 1:19:47.190

Andreas Schmid (Guest)

Thank you, Rory.

1:19:48.0 --> 1:19:49.660

Andreas Schmid (Guest)

Yeah, I work with deep deeps.

1:19:49.670 --> 1:19:53.830

Andreas Schmid (Guest)

The head of our engineering team at select Energy and.

1:19:56.330 --> 1:19:59.60

Andreas Schmid (Guest)

Uh, I I'm in the development on the development team.

1:20:0.150 --> 1:20:19.90

Andreas Schmid (Guest)

Umm, the project that deep is referring to umm in Connecticut, uh was one of the first buy all approved by all projects in Connecticut and ultimately umm, the documentation that Chris is referencing was kind of hard to find.

1:20:20.940 --> 1:20:38.710

Andreas Schmid (Guest)

We ultimately, as we typically do with a project, found the most cost effective, safe, reliable method of interconnection with our electrical engineer, submitted the single line stamp single line drawings this deep mentioned for approval by the DER Team.

1:20:39.480 --> 1:20:43.420

Andreas Schmid (Guest)

The ER team reviewed those approved them.

1:20:43.950 --> 1:20:55.50

Andreas Schmid (Guest)

We had assigned interconnection agreement and subsequently the the inspector, the local inspector approved those drawings as well.

1:20:56.430 --> 1:22:20.230

Andreas Schmid (Guest)

Umm, so you know, ultimately it's it's a little surprising now to see somewhat vague documents referenced, umm in follow up to this after the project was built and now have umm you know this requirement that we we do a much more expensive solution it's just it's one example of I think as deep pointed out and as others have pointed out uh that you know this requirement that all by all projects be connected directly to the secondaries in the transformer is essentially gonna raise the cost for solar projects in Connecticut therefore raise the cost to ratepayers because incentives will have to be higher to accommodate that higher cost and in some cases it might make projects impossible whereas there is a simple solution umm to connect on the line side of the of the customers gear in terms of safety and reliability there's no reason that that shouldn't be allowed but what really comes down to is umm I think Eversource wanting to quote future proof projects or or future proof.

1:22:20.490 --> 1:22:20.910

Andreas Schmid (Guest)

Umm.

1:22:21.690 --> 1:22:27.540

Andreas Schmid (Guest)

Adding load uh to a customer site or facility in the future.

1:22:27.950 --> 1:22:34.300

Andreas Schmid (Guest)

So you know, if you're connecting to the secondaries on the transformer with what essentially would be a new service.

1:22:34.830 --> 1:22:39.760

Andreas Schmid (Guest)

If you can do that cost effectively, it makes it easier to add load down the road.

1:22:39.770 --> 1:22:44.160

Andreas Schmid (Guest)

If that ever comes up, but we don't know if that will come up.

1:22:44.170 --> 1:22:46.20

Andreas Schmid (Guest)

We don't know if that will be an issue.

1:22:46.30 --> 1:23:9.510

Andreas Schmid (Guest)

So you're requiring this at potentially much higher cost or maybe potentially making a project cost prohibitive and impossible to do so limiting the amount of solar that can happen with bio projects in Connecticut for, you know, making some accommodation for a future situation that may never arise, right?

1:23:9.520 --> 1:23:11.780

Andreas Schmid (Guest)

So I just wanted to make that point.

1:23:14.190 --> 1:23:14.780

Apollonia, Rory

That's good.

1:23:14.790 --> 1:23:25.660

Apollonia, Rory

Point my question to you would be this by all requirement is that coming from ISO New England grid or the EDC's?

1:23:25.670 --> 1:23:26.740

Apollonia, Rory

I'm not familiar with it.

1:23:26.750 --> 1:23:27.950

Apollonia, Rory

I have accounting background.

1:23:28.770 --> 1:23:32.10

Andreas Schmid (Guest)

Well, yeah, the the the method of interconnection.

1:23:32.20 --> 1:23:46.250

Andreas Schmid (Guest)

And as Chris Kellogg mentioned their requirement umm to connect by all systems directly to the secondaries in the transformer, essentially creating a whole new electrical service is coming from Eversource.



1:23:48.560 --> 1:23:48.840

Apollonia, Rory  
OK.

1:23:47.190 --> 1:23:50.750

Andreas Schmid (Guest)  
Umm, that's not a specific environment in Massachusetts.

1:23:52.50 --> 1:24:0.320

Andreas Schmid (Guest)  
Umm, our company has connected many standalone projects with full approval from Eversource with no issues connecting.

1:24:1.70 --> 1:24:2.90

Andreas Schmid (Guest)  
It's a situational.

1:24:3.450 --> 1:24:18.960

Andreas Schmid (Guest)  
Assessment and review process in Massachusetts, whereas now in Connecticut across the board, every sources requiring direct connection into the secondaries on the transformer for all projects it's it's really frankly unnecessary.

1:24:18.970 --> 1:24:37.240

Andreas Schmid (Guest)  
I I I don't know how UI would comment on this because UI this allowed projects to be by all projects to go forward and be connected ohm with essentially aligned side tap on the line side of the customers gear rather than going all the way to the transformer.

1:24:44.340 --> 1:24:46.410

Apollonia, Rory  
OK, I gotta cut you off.

1:24:46.420 --> 1:24:46.760

Apollonia, Rory  
I'm sorry.

1:24:37.630 --> 1:24:47.920

Andreas Schmid (Guest)  
So it seems like an issue that might be specific to Eversource Umm, but I, you know, I have to allow a source to comment on that.

1:24:49.850 --> 1:24:50.820

Apollonia, Rory  
I appreciate that.

1:24:50.830 --> 1:24:51.560

Apollonia, Rory  
I gotta cut you off.

1:24:51.570 --> 1:24:56.840

Apollonia, Rory

I'm sorry, but with the agenda we're running out of time, I'm gonna have to move on to the Green Bank.

1:24:57.30 --> 1:25:1.800

Apollonia, Rory

What I know you're from select energy and this is an issue with Eversource.

1:25:1.810 --> 1:25:6.820

Apollonia, Rory

So I'm gonna look into this further and try to understand what's going on here.

1:25:6.950 --> 1:25:14.220

Apollonia, Rory

And as the parent presentative, if I can try immediate it and you know bring both sides together, I will.

1:25:14.330 --> 1:25:18.670

Apollonia, Rory

I will try to do that so briefly, Mike Trahan, if you wanna make a comment before we transition.

1:25:19.750 --> 1:25:20.150

Mike Trahan

Yep.

1:25:20.160 --> 1:25:34.530

Mike Trahan

So part of the ruling that current made a couple of weeks back was that report had to be filed by the Interconnection Working group by July 31 with per that that states points of agreement and disagreement, if it's alright with you, Rory, maybe we'll meet offline.

1:25:34.600 --> 1:25:40.370

Mike Trahan

Developers can beat offline with UI and ever source we can run through those issues, hopefully settle as much as we can.

1:25:40.680 --> 1:25:48.540

Mike Trahan

Bring all of that to you a couple of weeks before the July 31 report deadline so that you can you can file the work.

1:25:50.20 --> 1:25:51.930

Apollonia, Rory

Yeah, that I I would like that.

1:25:52.280 --> 1:25:52.820

Apollonia, Rory

So thank you.

1:25:52.170 --> 1:25:53.50

Mike Trahan

OK, we'll do it.

1:25:53.930 --> 1:25:59.110

Mike Trahan

And the thanks appreciate for the having the DC's uh having their staff take their time to be on the call.

1:25:59.120 --> 1:25:59.610

Mike Trahan

Appreciate it.

1:26:2.50 --> 1:26:2.800

Apollonia, Rory

Yes, thank you.

1:26:3.530 --> 1:26:4.890

Apollonia, Rory

With the pans right now.

1:26:5.480 --> 1:26:6.830

Apollonia, Rory

Umm. I'm.

1:26:6.840 --> 1:26:8.590

Apollonia, Rory

I'm just gonna have to stop you.

1:26:8.600 --> 1:26:10.930

Apollonia, Rory

I'm sorry, but we have to move on to Green Bank.

1:26:10.980 --> 1:26:26.350

Apollonia, Rory

They've reached out to me multiple times, so we're gonna move the point #4, which is the this discussion of the combined EDC's, the ER, interconnection queue as of the June 9th, 2023 spreadsheet.

1:26:26.360 --> 1:26:32.250

Apollonia, Rory

2023 Spreadsheet I sent an email about this on June 16th.

1:26:32.320 --> 1:26:34.870

Apollonia, Rory

It contains the spreadsheet, but I'm gonna.

1:26:36.20 --> 1:26:44.880

Apollonia, Rory

I can share my screen or if Green Bank on the call you want to share your screen.

1:26:46.360 --> 1:26:48.60

Apollonia, Rory

Umm, I'm open to that.

1:26:49.910 --> 1:26:50.780

Sergio Carrillo

You, Rory. I can.

1:26:48.120 --> 1:26:51.170

Apollonia, Rory

So Green Bank, who's on the call here?

1:26:50.830 --> 1:26:51.340

Sergio Carrillo

I can.

1:26:51.750 --> 1:26:54.730

Sergio Carrillo

Yes, I can share my screen, yes.

1:26:53.640 --> 1:26:56.150

Apollonia, Rory

Sergio, OK, alright.

1:26:56.160 --> 1:26:57.780

Apollonia, Rory

Sergio, please share the screen.

1:27:6.20 --> 1:27:8.280

Sergio Carrillo

Where I can, you'll see my excel.

1:27:8.710 --> 1:27:8.850

Apollonia, Rory

Yes.

1:27:11.390 --> 1:27:13.310

Sergio Carrillo

Umm, OK, Rory.

1:27:13.320 --> 1:27:18.280

Sergio Carrillo

So you know in the meeting we had, what, 2-3 weeks ago?

1:27:19.180 --> 1:27:34.840

Sergio Carrillo

UM, we we use this is the data we used when we, uh, we made the point of the interconnection queue having, you know, projects for multiple years or taking years to clear the queue.

1:27:35.830 --> 1:27:40.510

Sergio Carrillo

Ohh, unfortunately, fortunately or unfortunately, this is the data we used right?

1:27:40.520 --> 1:27:47.320

Sergio Carrillo

It's it's publicly available data from Eversource and UI A.

1:27:49.310 --> 1:28:4.90

Sergio Carrillo

So anyways, I don't know if Eversource or UI wanted to make any umm any suggestions related to the to this data you know?

1:28:4.100 --> 1:28:6.600

Sergio Carrillo

But this is this is what we what we used.

1:28:11.120 --> 1:28:11.590

Apollonia, Rory

Right.

1:28:12.140 --> 1:28:12.610

Apollonia, Rory

OK.

1:28:12.660 --> 1:28:16.680

Apollonia, Rory

So everybody sees the they'll go on.

1:28:12.130 --> 1:28:27.370

Sergio Carrillo

Yeah, I mean, I mean, obviously, yeah, I mean I'm I'm thinking that some of these projects, you know these there is one project from 2016, I mean my guess is that this project should have been dropped from the queue.

1:28:27.380 --> 1:28:32.750

Sergio Carrillo

You know, long ago, either by the developer or the utilities, but unfortunately it hasn't been so.

1:28:32.760 --> 1:28:37.870

Sergio Carrillo

Anyways, this is what we used to make some of the comments and file those comments with Fiora.

1:28:42.610 --> 1:28:42.870

Apollonia, Rory

Correct.

1:28:43.800 --> 1:28:44.810

Apollonia, Rory

I was just the jump in.

1:28:44.820 --> 1:28:46.130

Apollonia, Rory

I I understand you.

1:28:46.140 --> 1:28:47.930

Apollonia, Rory

I you've reached out on the chat.

1:28:48.440 --> 1:28:51.30

Apollonia, Rory

You you would like to address the comment, we're just gonna have to hold that.

1:28:51.40 --> 1:29:3.290

Apollonia, Rory

I understand it relates, but we're just going to focus on Green Bank right now and what you see this spreadsheet, I appreciate Green Bank sharing that with me, which I've shared with the group.

1:29:3.440 --> 1:29:10.90

Apollonia, Rory

So I'm gonna let Joe Debs, who has his hand up, umm, talk from the Eversource perspective.

1:29:11.760 --> 1:29:12.560

Debs, Joseph N

Thank you, Rory.

1:29:12.570 --> 1:29:18.330

Debs, Joseph N

Yeah, I want to make sure that everybody understand what this spreadsheet means.

1:29:19.260 --> 1:29:24.630

Debs, Joseph N

One, an interconnection application, submits an application to other source.

1:29:25.530 --> 1:29:29.810

Debs, Joseph N

It gets assigned to queue position and it gets put on this list.

1:29:31.200 --> 1:29:42.220

Debs, Joseph N

It's removed from this list, either one. The application is withdrawn of the application goes online so if you look carefully at that list.

1:29:42.230 --> 1:29:45.760

Debs, Joseph N

You'll see some of them are blanks and blanked.

1:29:45.770 --> 1:29:49.820

Debs, Joseph N

Mean that they lost their queue position, but they still have an interconnection application.

1:29:51.170 --> 1:30:1.120

Debs, Joseph N

I wanted to address the specific 2016 project of 15 megawatts that has been online for quite a while.

1:30:2.100 --> 1:30:15.520

Debs, Joseph N

That project submitting interconnection application in 2015 sixteen they went online in March of 2023.

1:30:17.450 --> 1:30:28.370

Debs, Joseph N

It took six years for a project to go online, so my comment is make sure you understand what this represent.

1:30:28.500 --> 1:30:44.960

Debs, Joseph N

A lot of these projects are project that have executed interconnection agreement for whatever reason or not they've been delayed and ever source have been a very generous with working with these guys.

1:30:45.870 --> 1:30:49.540

Debs, Joseph N

Uh, a lot of the issue they face are often beyond their control.

1:30:50.20 --> 1:30:56.540

Debs, Joseph N

But when we state that the first project should have been withdrawn, well, it was being built.

1:30:56.810 --> 1:30:58.560

Debs, Joseph N

I I I would leave.

1:30:59.630 --> 1:31:3.580

Debs, Joseph N

Why took six years for the developers to argue?

1:31:3.590 --> 1:31:4.700

Debs, Joseph N

Why took that long?

1:31:4.710 --> 1:31:12.230

Debs, Joseph N

But all of these projects either have an assigned queue position or they have laws or queue position.

1:31:14.700 --> 1:31:17.390

Debs, Joseph N

But any questions on that please let me know.

1:31:17.500 --> 1:31:19.990

Debs, Joseph N

It's important that we all understand what's on this list.

1:31:23.240 --> 1:31:23.450

Sergio Carrillo

He.

1:31:23.170 --> 1:31:24.820

Debs, Joseph N

That's all I have, yeah.

1:31:23.460 --> 1:31:26.930

Sergio Carrillo

Joe, Joe, thanks for the thanks for the clarification.

1:31:26.940 --> 1:31:28.430

Sergio Carrillo

That's yeah, understood.

1:31:32.670 --> 1:31:38.900

Apollonia, Rory

Alright, we we have a lot of stuff going on here, Sergio, if you have a comment, just raise your hand.

1:31:39.370 --> 1:31:56.90

Apollonia, Rory

But from the chat, David, which cells from the Green Bank I believe David F also projects with queue dates of 1 slash one 1900 have lost Q position.

1:31:56.100 --> 1:32:4.120

Apollonia, Rory

So that's, you know, before, before this matter, I I I'm yeah.

1:32:4.180 --> 1:32:6.0

Apollonia, Rory

Maybe that's just a typo there.

1:32:6.150 --> 1:32:17.330

Apollonia, Rory

I doubt something's been in the queue for 123 years, but so yeah, just moving forward.

1:32:17.340 --> 1:32:21.690

Apollonia, Rory

So we got that Eversource perspective on it, Sergio and the Green Bank.

1:32:21.840 --> 1:32:25.50

Apollonia, Rory

Do you have a response to what?



1:32:25.350 --> 1:32:27.440

Apollonia, Rory  
Umm, I mean, what?

1:32:27.450 --> 1:32:27.600

Apollonia, Rory  
What?

1:32:27.610 --> 1:32:30.600

Apollonia, Rory  
Joe Debs from Eversource stated.

1:32:40.340 --> 1:32:40.970

Apollonia, Rory  
All right.

1:32:41.50 --> 1:32:41.360

Apollonia, Rory  
I'm.

1:32:41.430 --> 1:32:42.360

Apollonia, Rory  
I'm seeing no.

1:32:42.810 --> 1:32:44.220

Apollonia, Rory  
Alright, Sergio, you got your hand up?

1:32:44.230 --> 1:32:45.790

Apollonia, Rory  
Yes, please speak.

1:32:46.370 --> 1:32:46.630

Sergio Carrillo  
Yeah.

1:32:46.640 --> 1:32:47.700

Sergio Carrillo  
No, no, no, no comments.

1:32:47.710 --> 1:32:51.100

Sergio Carrillo  
I'm sorry interjected without raising my my hand.

1:32:51.110 --> 1:32:52.760

Sergio Carrillo  
But yeah, no comment is understood.

1:32:56.260 --> 1:32:56.590

Apollonia, Rory  
OK.

1:32:57.590 --> 1:33:3.980

Apollonia, Rory  
Uh, remaining hands are are these related to the Green Bank matter?

1:33:4.250 --> 1:33:8.660

Apollonia, Rory  
So I'll go with the is it Elijah or OK?

1:33:8.670 --> 1:33:10.340

Apollonia, Rory  
She she took her hand down.

1:33:10.350 --> 1:33:11.440

Apollonia, Rory  
Mark Marquez.

1:33:12.640 --> 1:33:12.910

MARK KIRSCHBAUM  
Yeah.

1:33:12.920 --> 1:33:13.440

MARK KIRSCHBAUM  
Thanks, Lori.

1:33:13.450 --> 1:33:28.730

MARK KIRSCHBAUM

And just from the UI perspective, very similar to what Joe Deb said is is the the days are are indicative of of many you know delays or or or waiting on items throughout the process.

1:33:28.740 --> 1:33:48.160

MARK KIRSCHBAUM

So I don't wanna rehash, you know, a lot of the reasons that Joe mentioned, but I will say from a UI perspective is a if a developer has a question about a particular project that's on the list and wants to know, you know what the what the issue is will be more than happy to you know address that that issue and and let folks know what the.

1:33:48.870 --> 1:33:57.540

MARK KIRSCHBAUM

But the the the the problem is or or or it could just it could just be the not even a problem, just the time it takes to get it through the process.

1:33:58.10 --> 1:34:10.0

MARK KIRSCHBAUM

You know, we do wanna be cognizant of that because obviously each each investigation into that does take resources that we need to use to to manage these interconnects.

1:34:10.10 --> 1:34:17.40

MARK KIRSCHBAUM

But if a developer has a question about their project would be more than happy to to interface with that as we've always done.

1:34:17.50 --> 1:34:20.350

MARK KIRSCHBAUM

And I know every choice has always done, but that's all.

1:34:20.360 --> 1:34:20.700

MARK KIRSCHBAUM

Thank you.

1:34:22.820 --> 1:34:23.710

Apollonia, Rory

I appreciate that.

1:34:23.720 --> 1:34:26.450

Apollonia, Rory

No, that's good that you know, I understand.

1:34:26.460 --> 1:34:29.710

Apollonia, Rory

You know, you you guys can't spend all your time doing this.

1:34:29.860 --> 1:34:40.780

Apollonia, Rory

I understand that, but the the time that you can spend to help out the developers and try and resolve some problems before they occur, that's that's why we're doing these meetings.

1:34:40.790 --> 1:34:42.860

Apollonia, Rory

We're trying to do that, so I appreciate that.

1:34:43.820 --> 1:34:44.210

Apollonia, Rory

Umm.

1:34:44.510 --> 1:34:56.720

Apollonia, Rory

So moving forward, if we don't have anymore comments or discussion about this spreadsheet, I'm gonna move to the Green Bank and they had a submittal of draft scope of work.

1:34:57.720 --> 1:35:2.280

Apollonia, Rory

I sent that out Saturday night because I was out the previous week.

1:35:3.990 --> 1:35:6.610

Apollonia, Rory

I, Sergio I think is sharing this right now.

1:35:7.790 --> 1:35:8.190

Apollonia, Rory

Umm.

1:35:9.70 --> 1:35:11.460

Apollonia, Rory

Sergio, do you wanna kick this off?

1:35:14.550 --> 1:35:15.260

Sergio Carrillo

Yes, Rory.

1:35:17.60 --> 1:35:17.290

Apollonia, Rory

Right.

1:35:17.140 --> 1:35:27.630

Sergio Carrillo

So as you all know, we filed a motion at the beginning of June and Pura issued a ruling on that motion in that ruling.

1:35:28.480 --> 1:35:30.440

Sergio Carrillo

That was issued June 14th.

1:35:32.450 --> 1:36:1.460

Sergio Carrillo

Pura granted an extension of time until September 1st, right to file a response to order number 10 that would be on the on the that would be responsibility of the utilities, and in that ruling a pure, also directed the interconnection working group to meet no less than four times uh prior to submission of that order, number 10 compliance.

1:36:2.640 --> 1:36:4.250

Sergio Carrillo

You're also directed.

1:36:4.260 --> 1:36:16.390

Sergio Carrillo

They Connecticut Green Bank 2 to propose a scope of work right to be able to comply with that order, number 10 on time.

1:36:16.870 --> 1:36:17.20

Sergio Carrillo

No.

1:36:19.0 --> 1:36:20.810

Sergio Carrillo  
And for that this.

1:36:20.130 --> 1:36:24.370

Apollonia, Rory  
By Sergio just just to jump in, can you give me the docket number?

1:36:26.440 --> 1:36:26.650

Apollonia, Rory  
Or.

1:36:25.320 --> 1:36:27.940

Sergio Carrillo  
Docking numbers 230805.

1:36:31.350 --> 1:36:31.650

Apollonia, Rory  
OK.

1:36:31.660 --> 1:36:32.400

Apollonia, Rory  
Thank you so much.

1:36:32.510 --> 1:36:33.390

Apollonia, Rory  
OK, please continue.

1:36:32.800 --> 1:36:33.460

Sergio Carrillo  
Yeah, no problem.

1:36:34.370 --> 1:36:36.340

Sergio Carrillo  
So anyways, uh Pura said.

1:36:36.350 --> 1:36:41.0

Sergio Carrillo  
OK, just submit a proposed scope of work, right?

1:36:41.10 --> 1:36:43.320

Sergio Carrillo  
I jammed ask how many meetings we're gonna have.

1:36:43.330 --> 1:36:52.240

Sergio Carrillo  
The agendas etcetera, as to allow us to be ready to or for the utilities to be ready to comply with order number 10 on time.

1:36:53.210 --> 1:36:59.260

Sergio Carrillo

Umm, and that's what we tried to do with these draft agenda.

1:36:59.270 --> 1:37:11.160

Sergio Carrillo

So initially our response, our scope of work was due last on the on the on June 20th and we asked Pura for an extension.

1:37:11.170 --> 1:37:17.990

Sergio Carrillo

We said I think it's better if we prepare a draft scope of work, we bring it to the interconnection group.

1:37:18.380 --> 1:37:31.240

Sergio Carrillo

Umm to vet that tentative agenda and together peoples feedback so that this is what we're trying to do here, we're seeking comments from all stakeholders.

1:37:34.250 --> 1:37:59.160

Sergio Carrillo

We're also we also try to abide by these guidelines on how the distributed generation Policy Working Group operates on how decisions are made and it seems like there is a voting mechanism with voting Members being, you know, two representatives of the DC's to developers.

1:37:59.870 --> 1:38:0.840

Sergio Carrillo

CIC.

1:38:0.850 --> 1:38:3.920

Sergio Carrillo

Which I'm not even sure they are part of these meetings.

1:38:3.930 --> 1:38:8.320

Sergio Carrillo

But CIC is the Connecticut Industrial energy consumers.

1:38:8.930 --> 1:38:18.760

Sergio Carrillo

OCC is their office of Customer Council of Consumer Council and the last one is deep.

1:38:18.830 --> 1:38:23.500

Sergio Carrillo

The energy and technology policy team at deep.

1:38:24.180 --> 1:38:31.620

Sergio Carrillo

So anyways, we're also trying to to to abide by these guidelines in in our proposed agenda.

1:38:32.890 --> 1:38:38.960

Sergio Carrillo

Uh, and we don't have much time, so I'll try to be brief.

1:38:39.70 --> 1:38:45.270

Sergio Carrillo

But basically, we put four meetings we're proposing to have four meetings.

1:38:46.470 --> 1:39:0.270

Sergio Carrillo

These first meeting, which tentatively could happen on the second week of July, would be focused on modeling, modeling assumptions, you know, try to understand for everybody.

1:39:0.280 --> 1:39:0.750

Sergio Carrillo

And I don't.

1:39:0.760 --> 1:39:11.710

Sergio Carrillo

I don't know if this is needed from the developers perspective, but certainly from a green banks perspective, you know, understand the process for modeling the ER.

1:39:12.470 --> 1:39:23.70

Sergio Carrillo

We would like to also present here on the the review very quick review of the energy Storage Solutions program that we were running.

1:39:24.270 --> 1:39:32.10

Sergio Carrillo

Jointly with the utilities to understand you know what, what the expectations are from these batteries, right?

1:39:35.240 --> 1:39:39.0

Sergio Carrillo

So that would be the focus of the first meeting.

1:39:40.240 --> 1:39:48.870

Sergio Carrillo

Yeah, the proposal is basically to, you know, perhaps submit some materials in advance of those meetings.

1:39:49.200 --> 1:39:54.670

Sergio Carrillo

So that people can review that they they are utilities will present in those meetings.

1:39:54.680 --> 1:40:1.450

Sergio Carrillo

This is how we do it and we would basically, uhm.

1:40:2.330 --> 1:40:4.620

Sergio Carrillo

Comment on proposed changes.

1:40:5.30 --> 1:40:22.280

Sergio Carrillo

The utilities think any any changes are necessary to those processes, so that would be the first meeting the the second meeting, which would have the last week or the 4th week of July.

1:40:24.40 --> 1:40:36.50

Sergio Carrillo

It would be focused on notifications to developers as they relate to to the beginning and and the expected completion of the interconnection approval.

1:40:36.930 --> 1:40:41.600

Sergio Carrillo

We understand the challenges based on all the information that has been shared by the utilities.

1:40:41.610 --> 1:40:53.650

Sergio Carrillo

We understand the challenges to to put something in writing right in terms of a completion of a review process, but that would be that would be the purpose of this second meeting.

1:40:55.510 --> 1:41:11.250

Sergio Carrillo

At the end of July, we think that if in in those meetings, if consensus is reached, then the utilities could in the following ohm meeting, we could start with the utility showing these are the guidelines.

1:41:11.260 --> 1:41:14.650

Sergio Carrillo

This is what we agreed to in the previous meeting.

1:41:15.40 --> 1:41:17.810

Sergio Carrillo

Yes, everybody you know there is consensus.

1:41:17.820 --> 1:41:18.910

Sergio Carrillo

Yeah, let's move on.

1:41:19.100 --> 1:41:23.840

Sergio Carrillo

That would represent part of the of the responses to order number 10.

1:41:25.170 --> 1:41:31.300

Sergio Carrillo

Umm, there would be 1/3 meeting on the second week of August.



1:41:34.510 --> 1:41:39.370

Sergio Carrillo

Which will be focused on streamlining the interconnection application process.

1:41:40.300 --> 1:41:45.830

Sergio Carrillo

Uh, including, you know, the forms used used for the process requirements, etcetera.

1:41:47.430 --> 1:41:51.240

Sergio Carrillo

Uh, and again, each meeting will be followed by the same structure.

1:41:51.250 --> 1:41:54.780

Sergio Carrillo

We reach consensus 2 weeks after that meeting.

1:41:54.790 --> 1:41:56.940

Sergio Carrillo

The utilities will propose guidelines.

1:41:56.950 --> 1:41:59.90

Sergio Carrillo

These are the revised guidelines.

1:41:59.900 --> 1:42:8.550

Sergio Carrillo

Ohh and again the interconnection working group would determine yes, you know you're in favor or not, right?

1:42:8.560 --> 1:42:26.490

Sergio Carrillo

And if anybody disagrees with what it's being, what's been the consensus, I guess they would have to file a written comment with pure pure will be will be charged with vetting those comments, right?

1:42:26.500 --> 1:42:39.140

Sergio Carrillo

And implementing those comments or incorporating those comments into the, uh, the final guidelines and then there will be a last meeting meeting #4 that would be focused on power clerk.

1:42:39.940 --> 1:42:42.920

Sergio Carrillo

Uh, these could probably.

1:42:42.930 --> 1:42:46.190

Sergio Carrillo

Ohh, we are suggesting that each meeting be to our meeting.

1:42:47.510 --> 1:42:50.820

Sergio Carrillo

These last one as seeds for power clerk.

1:42:50.830 --> 1:42:55.520

Sergio Carrillo

I don't envision these meeting being a 2 hour meeting.

1:42:55.530 --> 1:43:3.360

Sergio Carrillo

It could be a short meeting, but we could use the balance of the two hours to discuss anything.

1:43:3.470 --> 1:43:13.730

Sergio Carrillo

You know that has been agreed upon in previous meetings as the utilities prepped for a filing that is due on September 1st.

1:43:14.880 --> 1:43:18.330

Sergio Carrillo

So this is the proposal.

1:43:18.390 --> 1:43:21.940

Sergio Carrillo

We're open to to comment recommendations.

1:43:22.230 --> 1:43:33.640

Sergio Carrillo

We need to go back to Pura with the final agreed upon agenda that on Thursday the 29th, so we would appreciate, you know, all comments.

1:43:33.650 --> 1:43:38.130

Sergio Carrillo

It could be in written form anyways, talking to comment.

1:43:41.230 --> 1:43:44.870

Sergio Carrillo

Add Brian Farnan if you wanna add anything, please do so.

1:43:47.330 --> 1:43:48.600

Brian Farnan

No, this is great, Sergio.

1:43:48.610 --> 1:43:57.560

Brian Farnan

And and I think at the end of the day, you know we got the order we thought it was definitely important to kind of bring this draft to this group first for any kind of informal feedback.

1:43:57.570 --> 1:43:59.180

Brian Farnen

And then we'll get this finalized.

1:44:2.160 --> 1:44:3.480

Edward P. Kranich

Yeah, I think, Sergio, perfect.

1:44:5.860 --> 1:44:6.930

Apollonia, Rory

Alright, that's good.

1:44:7.240 --> 1:44:10.860

Apollonia, Rory

My question umm, it looks good.

1:44:10.930 --> 1:44:14.210

Apollonia, Rory

You know, this is a good, good schedule.

1:44:14.910 --> 1:44:15.400

Apollonia, Rory

Uh.

1:44:15.730 --> 1:44:17.650

Apollonia, Rory

Bit tight, but you know everything's tight here.

1:44:17.660 --> 1:44:19.960

Apollonia, Rory

Here is it.

1:44:19.970 --> 1:44:30.30

Apollonia, Rory

Are you being directed by the Pura to get this done by you know, these set, you know, second week of July 1st, meeting 4th week on second meeting.

1:44:31.70 --> 1:44:35.560

Apollonia, Rory

Well, there is this just you or somebody after is telling you to do this.

1:44:35.970 --> 1:44:37.660

Sergio Carrillo

No, this is our proposal.

1:44:42.580 --> 1:44:43.90

Edward P. Kranich

We had a.

1:44:37.740 --> 1:44:43.900

Sergio Carrillo

It's all, you know, tentative to be decided by yours, by the interconnection working group.

1:44:50.420 --> 1:44:50.620

Sergio Carrillo

Yeah.

1:44:45.340 --> 1:45:2.520

Edward P. Kranich

We had the request to have no less than four meetings, so this is just how we how we decided to space them out and it was I think it was end of September, Sergio for the September 1st, OK.

1:44:59.650 --> 1:45:2.860

Sergio Carrillo

September, September 1st. Yeah.

1:45:4.770 --> 1:45:5.140

Apollonia, Rory

All right.

1:45:5.150 --> 1:45:5.660

Apollonia, Rory

Thanks, Ed.

1:45:5.670 --> 1:45:7.140

Apollonia, Rory

That's September 1st.

1:45:7.210 --> 1:45:9.200

Apollonia, Rory

UM, that's the deadline.

1:45:9.210 --> 1:45:16.110

Apollonia, Rory

And there's Puritan you to get it done by that date or or is this just you wanna get done by that date?

1:45:17.250 --> 1:45:18.240

Edward P. Kranich

That you're.

1:45:16.740 --> 1:45:28.220

Sergio Carrillo

You know, they they rolling says pure grants and extension for submission of recommendations pursuant to order 10 until September 1st of 2023.

1:45:29.910 --> 1:45:31.180

Sergio Carrillo

Also, there is something.

1:45:29.790 --> 1:45:31.550

Edward P. Kranich

And that was originally July 1st.

1:45:32.290 --> 1:45:59.100

Sergio Carrillo

Yes, it was July 4th, so they gave us two more months or there is a fourth AM instruction there in the in the ruling saying the authority to direct, oh uh, the Office of Education Outreach and Enforcement EOE to assign an attorney staff member to mediate in these in the working group in these or meetings, by the way.

1:46:1.560 --> 1:46:3.610

Apollonia, Rory

Alright, we'll say uh, we're really tight.

1:46:3.970 --> 1:46:9.650

Apollonia, Rory

Ohh with staff, while turnover over here as you know exact left he was from the OE.

1:46:9.660 --> 1:46:12.0

Apollonia, Rory

I'm I'm not even part of that organization on.

1:46:12.50 --> 1:46:18.200

Apollonia, Rory

I'm doing this so we'll we'll see if we get somebody but umm, yeah, the first meeting.

1:46:18.210 --> 1:46:21.150

Apollonia, Rory

You're you're saying July 2nd week of July?

1:46:21.610 --> 1:46:29.870

Apollonia, Rory

I may have to push that back if that's OK to like the third week of July, cause I I have a lot of investigations.

1:46:29.880 --> 1:46:36.150

Apollonia, Rory

I have to get done for R it's I I I don't think I'm gonna be able to do that second week of July.

1:46:37.820 --> 1:46:38.400

Apollonia, Rory

Is that OK?

1:46:39.600 --> 1:46:40.370

Sergio Carrillo

Yeah, absolutely.

1:46:40.380 --> 1:46:52.140

Sergio Carrillo

I think this is this is up to you, but Rory, as you want to, you know, said specific dates and times for these meetings, but the only the only thing is that the ruling says no less than four meetings.

1:46:53.490 --> 1:46:53.900

Sergio Carrillo

That's all.

1:46:54.180 --> 1:46:54.460

Apollonia, Rory

Alright.

1:46:53.910 --> 1:46:55.820

Sergio Carrillo

That's all we're trying to to respect you.

1:46:57.400 --> 1:47:1.670

Apollonia, Rory

No less sorry that that goes with a Carl's question in the chat.

1:47:1.950 --> 1:47:9.750

Apollonia, Rory

So we have to do 4 meetings that's required and that's coming out at docket 230805, correct.

1:47:12.110 --> 1:47:12.390

Apollonia, Rory

OK.

1:47:12.440 --> 1:47:13.400

Sergio Carrillo

Yes, that is correct.

1:47:13.650 --> 1:47:17.30

Apollonia, Rory

So yeah, we're gonna try.

1:47:18.660 --> 1:47:24.590

Apollonia, Rory

I'll get back to the group, but I I'm thinking third week of July will have our first meeting.

1:47:26.800 --> 1:47:29.650

Apollonia, Rory

You know, you let me know if if the group can't, can't do it.

1:47:29.700 --> 1:47:41.30

Apollonia, Rory

You know, if people are going away for a vacation or whatever, what I'm thinking instead of second week of July, push it out another week because I have to do some write ups for docket 2301.

1:47:41.40 --> 1:47:45.600

Apollonia, Rory

32 and 2301 thirty nine, which are Eversource investigations.

1:47:46.200 --> 1:47:47.920

Apollonia, Rory

I gotta get that done.

1:47:50.130 --> 1:47:51.880

Apollonia, Rory

So that's that's what I'm thinking.

1:47:53.110 --> 1:47:54.610

Apollonia, Rory

Any comments to that?

1:47:58.310 --> 1:48:4.120

nlafayette shrenergy.com

Yeah, it's no, I I think it's a little aggressive simply due to the fact that summertime and people are going away.

1:48:4.190 --> 1:48:6.710

nlafayette shrenergy.com

I think we should definitely get their first two meetings.

1:48:6.720 --> 1:48:15.90

nlafayette shrenergy.com

As you said, third week in July, another one shortly thereafter, but we we might have to bake in some flexibility here considering the time of year.

1:48:17.500 --> 1:48:25.180

Apollonia, Rory

Alright, now I I totally agree with that and that's was what my comment before who's directing this deadline?

1:48:25.540 --> 1:48:26.910

Apollonia, Rory

If it's, if it's Pura.

1:48:31.300 --> 1:48:31.590

Sergio Carrillo

Title.

1:48:34.380 --> 1:48:34.540

nlafayette shrenergy.com

Yeah.

1:48:27.100 --> 1:48:37.530

Apollonia, Rory

Yeah, I work here, so I could definitely reach out, even though we're not supposed to talk to each other since I'm quasi independent leading this working group.

1:48:37.540 --> 1:48:39.450

Apollonia, Rory

But Carl their hands up.

1:48:40.770 --> 1:48:42.40

Nowiszewski, Carl S

Yeah, I'm going to try this again.

1:48:42.50 --> 1:48:42.570

Nowiszewski, Carl S

Can you hear me?

1:48:44.520 --> 1:48:44.940

nlafayette shrenergy.com

Yeah, you go.

1:48:44.50 --> 1:48:45.200

Apollonia, Rory

Yes, I can hear you.

1:48:45.700 --> 1:48:46.150

Nowiszewski, Carl S

Awesome.

1:48:46.160 --> 1:48:46.630

Nowiszewski, Carl S

Thank you.

1:48:46.640 --> 1:48:47.470

Nowiszewski, Carl S

Sorry about that earlier.

1:48:49.590 --> 1:48:49.810

Apollonia, Rory

OK.

1:48:48.410 --> 1:49:7.720

Nowiszewski, Carl S

Uh, so I just wanted to ask Green Bank, if you know, given the new understanding they may have achieved this today at today's meeting on on the queue and what's in that spreadsheet, do they have any new thoughts on whether you know this process should continue to proceed in the in the manner it was predicated on?

1:49:17.90 --> 1:49:20.870

Apollonia, Rory

Uh, so Green bank ridgehead.



1:49:28.490 --> 1:49:28.960

Apollonia, Rory  
Ed.

1:49:29.10 --> 1:49:29.810

Apollonia, Rory  
From green bag.

1:49:30.250 --> 1:49:30.780

Edward P. Kranich  
I'm sorry.

1:49:30.790 --> 1:49:32.610

Edward P. Kranich  
Could you just repeat that that question?

1:49:34.350 --> 1:49:35.190

Nowiszewski, Carl S  
Yeah, basically.

1:49:35.200 --> 1:49:57.440

Nowiszewski, Carl S  
Uh, it seemed to me that that when you presented the the assumption about, you know the the the predicate that caused you to file this, this original motion as the spreadsheet today, umm, there was an explanation about what that actually meant by Joe Debs.

1:49:57.450 --> 1:50:0.800

Nowiszewski, Carl S  
That may not have been your understanding prior to today.

1:50:0.850 --> 1:50:3.420

Nowiszewski, Carl S  
So that's my question.

1:50:3.430 --> 1:50:6.400

Nowiszewski, Carl S  
Do you have any different thoughts about how this should go forward now?

1:50:8.210 --> 1:50:8.900

Edward P. Kranich  
I think the.

1:50:10.200 --> 1:50:17.160

Edward P. Kranich  
Specifics of of the spreadsheet and you know the the timing of of certain interconnection apps.

1:50:17.470 --> 1:50:23.80

Edward P. Kranich  
I mean, I can speak personally from managing the Rsip program queue.

1:50:23.90 --> 1:50:33.140

Edward P. Kranich

Over the years, there are projects that look like they've been in there for they've been in the queue for for ages and ages, but it's not for lack of trying on the administrator's part.

1:50:33.950 --> 1:50:51.540

Edward P. Kranich

So we don't wanna get into necessarily the specifics of of this project or that project, but more the overall average or even if you know if, if, if there's a better statistical figure to use like median or something like that.

1:50:51.550 --> 1:50:58.210

Edward P. Kranich

You know, because some of the averages can get really thrown off by these projects that get lost due to the developer.

1:50:59.680 --> 1:51:12.620

Edward P. Kranich

But you know our our general outlook for this agenda here for the four or so weeks is not necessarily about the queue specifically.

1:51:13.280 --> 1:51:19.470

Edward P. Kranich

It's I think one of the more important parts of it is the modeling of batteries.

1:51:20.420 --> 1:51:31.560

Edward P. Kranich

So that's something I think that's probably more important than the specific timing of interconnection apps, because a lot of those interconnection apps aren't even battery related.

1:51:34.520 --> 1:51:34.970

Nowiszewski, Carl S

OK.

1:51:34.980 --> 1:51:47.170

Nowiszewski, Carl S

And and we've discussed the fact that, yeah, I think the last meeting that I think I think Dave or Joe made the point that these projects are always modeled consistently in the way they're proposed.

1:51:49.650 --> 1:51:49.930

Nowiszewski, Carl S

So.

1:51:48.10 --> 1:51:51.820

Edward P. Kranich

Agreed, yes and they are.

1:51:51.830 --> 1:52:12.150

Edward P. Kranich

But I think what's you know potentially up for debate here or what what we want to discuss is you know they're being modeled or they're they're being proposed in a way that goes along with what the utility requires.

1:52:13.770 --> 1:52:23.860

Edward P. Kranich

Umm, so you know, they're they're being requested that way by the developer, but you know, maybe there's an opportunity to to change that.

1:52:25.310 --> 1:52:27.800

Edward P. Kranich

And I don't know, Sergio, if there's anything you want to add to there.

1:52:28.280 --> 1:52:29.190

Sergio Carrillo

Well, let me.

1:52:29.240 --> 1:52:56.640

Sergio Carrillo

Yes, I wanted to mention what is in the the pure ruling right and they say they authority Ohh directs the DC's to include the following as a minimum as part of the interconnection Working Group Order number 10 compliance filing but one is the proposed process for the EDC to notify developers when they interconnection started begins and is expected to be approved.

1:52:57.920 --> 1:53:6.810

Sergio Carrillo

#2 is a proposal including estimated implementation costs and timelines, which I believe you give you did during these calls.

1:53:6.820 --> 1:53:20.930

Sergio Carrillo

So for all interconnection process forms coming from one source 1/3 proposal for evaluating energy storage based on the expected charging and discharging patterns of the storage finds.

1:53:21.60 --> 1:53:34.700

Sergio Carrillo

So I'm I I you know, it feels to me like these meetings are required as to, you know, to be able to respond to these, umm, expectations from pure.

1:53:36.860 --> 1:53:37.950

Sergio Carrillo

I don't know what you guys think.

1:53:39.540 --> 1:53:40.170

nlafayette shreenergy.com

Yeah.

1:53:40.180 --> 1:53:41.310

nlafayette shrenergy.com  
Sergio's Noel off? Yeah.

1:53:41.320 --> 1:53:43.490

nlafayette shrenergy.com  
Can I comment to to both these things? Please?

1:53:44.10 --> 1:53:44.250

Sergio Carrillo  
Please.

1:53:43.660 --> 1:53:45.650

nlafayette shrenergy.com  
First, let's talk about the interconnection queue.

1:53:48.180 --> 1:53:54.550

nlafayette shrenergy.com  
As someone who's been intimately involved with that for over 5 years, it's far more complex than you guys are giving credit for.

1:53:54.960 --> 1:53:58.450

nlafayette shrenergy.com  
OK, it's still taking a year or more to get a transformer.

1:53:58.460 --> 1:54:0.160

nlafayette shrenergy.com  
We still have supply chain problems.

1:54:0.170 --> 1:54:6.410

nlafayette shrenergy.com  
We had a two fear of COVID problem, so I I gotta tell you, it's someone who's been part of that.

1:54:6.560 --> 1:54:10.320

nlafayette shrenergy.com  
I I find that criticism kind of last man off the bench.

1:54:10.330 --> 1:54:12.100

nlafayette shrenergy.com  
Who hasn't lived it for the last five years?

1:54:12.110 --> 1:54:18.590

nlafayette shrenergy.com  
So I would advise you to maybe kind of lower prioritize that because it's that way for a reason.

1:54:19.210 --> 1:54:25.360

nlafayette shrenergy.com  
2A wheel reason not a policy reason 3 the problem I'm all for these battery meetings.

1:54:25.370 --> 1:54:26.700

nlafayette shrenergy.com

I don't see any reason why not.

1:54:26.710 --> 1:54:33.840

nlafayette shrenergy.com

We want to move the state forward, however, as someone has been on the policy side, batteries are kind of unique.

1:54:34.150 --> 1:54:38.530

nlafayette shrenergy.com

You get deeply into the technical, which affects the policy.

1:54:38.790 --> 1:54:42.120

nlafayette shrenergy.com

That's true in all energy, but it's it's not so black.

1:54:42.520 --> 1:54:44.880

nlafayette shrenergy.com

There's a bit more of a line between the two.

1:54:45.50 --> 1:54:54.670

nlafayette shrenergy.com

What I've seen is every time we talk about the battery policies, we get really into the nitty gritty of the engineering and it's hard to get the policy forward.

1:54:54.750 --> 1:55:3.290

nlafayette shrenergy.com

So I'm glad we're gonna address that, but I I I think as you get involved, you're gonna realize it's there's a reason it's slow because it's complicated.

1:55:3.860 --> 1:55:9.850

nlafayette shrenergy.com

We can't write policy until we agree on the technical and and we've been bogged down in that for a while.

1:55:10.0 --> 1:55:17.230

nlafayette shrenergy.com

So if you have something to contribute, if you have in-house engineers that can dedicate their time to that, we would welcome this suggestion.

1:55:17.240 --> 1:55:18.320

nlafayette shrenergy.com

But that's what's been going on.

1:55:20.930 --> 1:55:21.920

Apollonia, Rory

Alright, thank you.

1:55:24.830 --> 1:55:25.300

nlafayette shrenergy.com

Oh, sorry.

1:55:22.170 --> 1:55:26.200

Apollonia, Rory

We gotta remember, we gotta use our hands from the feedback.

1:55:26.880 --> 1:55:27.470

Apollonia, Rory

That's alright.

1:55:28.680 --> 1:55:32.990

Apollonia, Rory

So we're over time, but we'll get to these last hands.

1:55:33.240 --> 1:55:36.430

Apollonia, Rory

But also just wanna reach out to this Westbrook.

1:55:36.440 --> 1:55:37.350

Apollonia, Rory

Marissa Westbrook.

1:55:37.420 --> 1:55:39.670

Apollonia, Rory

We're gonna have a meeting to address.

1:55:39.680 --> 1:55:49.290

Apollonia, Rory

What she's been communicating with me about a compliance filing tomorrow, so I sent an email over the weekend because I was out as scheduled.

1:55:49.300 --> 1:55:49.730

Apollonia, Rory

The meeting.

1:55:49.740 --> 1:55:51.170

Apollonia, Rory

We're gonna do it tomorrow morning.

1:55:51.180 --> 1:55:54.370

Apollonia, Rory

Hopefully the group can be at the meeting.

1:55:54.620 --> 1:55:58.120

Apollonia, Rory

It's a short timeline like I mentioned at the start of this meeting.

1:55:58.390 --> 1:56:4.10

Apollonia, Rory

Two hours ago that, you know, we gotta get this done by the end of the week, so we'll be doing that.

1:56:4.130 --> 1:56:6.780

Apollonia, Rory

So thank you, Westbrook, for let me know about that.

1:56:7.650 --> 1:56:16.870

Apollonia, Rory

And we're just gonna go through these remaining hands and then UI, I I guess we should first do you why?

1:56:16.880 --> 1:56:24.70

Apollonia, Rory

Because you guys been waiting your comment, uh, regarding uh the matter.

1:56:26.80 --> 1:56:26.530

Apollonia, Rory

Hold up.

1:56:26.540 --> 1:56:33.400

Apollonia, Rory

MMM trahan's matter so from UI I think it was a Elijah.

1:56:36.80 --> 1:56:36.550

ELIA D'ONOFRIO

Hi, Roy.

1:56:36.560 --> 1:56:37.530

ELIA D'ONOFRIO

There's a leader for me.

1:56:37.540 --> 1:56:37.680

ELIA D'ONOFRIO

Why?

1:56:39.330 --> 1:56:39.510

Apollonia, Rory

Yeah.

1:56:39.550 --> 1:56:40.10

Apollonia, Rory

OK.

1:56:40.120 --> 1:56:40.440

Apollonia, Rory

Thank you.

1:56:39.670 --> 1:56:41.170

ELIA D'ONOFRIO

But yeah, no problem.

1:56:41.210 --> 1:56:53.460

ELIA D'ONOFRIO

I just just wanted to touch base on item number three that right at the end I I'm not sure the entity that made the comment that you UI allows line side taps, we do not.

1:56:54.50 --> 1:57:3.810

ELIA D'ONOFRIO

I just wanted to make it clear from here that UI does not allow line side taps on service installations in regards to distributed energy resources.

1:57:4.940 --> 1:57:5.330

ELIA D'ONOFRIO

Umm.

1:57:5.690 --> 1:57:8.930

ELIA D'ONOFRIO

So in in that capacity, we are in alignment with Eversource.

1:57:10.190 --> 1:57:26.10

ELIA D'ONOFRIO

I think we, I think we do wanna touch on the base that we we review it every single project on a on a case by case basis and if there is some questions on how UI does our process, it really should be brought up to to bring up the cases of those specific projects.

1:57:26.290 --> 1:57:33.380

ELIA D'ONOFRIO

That way we can look at it on a case by case basis and answer why for some cases a project was handled in one way versus another.

1:57:34.0 --> 1:57:36.750

ELIA D'ONOFRIO

I don't wanna so it cannot paint things with a broad brush.

1:57:39.740 --> 1:57:40.210

Apollonia, Rory

OK.

1:57:40.260 --> 1:57:41.420

Apollonia, Rory

I appreciate that.

1:57:41.960 --> 1:57:47.730

Apollonia, Rory

Good point to be raised any other hands before we close out this meeting.



1:57:52.470 --> 1:57:53.60

Apollonia, Rory

OK, I see.

1:57:53.70 --> 1:57:53.470

Apollonia, Rory

Done.

1:57:53.570 --> 1:57:55.240

Apollonia, Rory

I'm think it's been long enough.

1:57:55.250 --> 1:58:0.630

Apollonia, Rory

I appreciate everybody and all what everybody said in this meeting that we're making progress.

1:58:0.640 --> 1:58:5.470

Apollonia, Rory

We're gonna have another meeting tomorrow and we'll have more meetings in the future.

1:58:5.740 --> 1:58:7.210

Apollonia, Rory

So just thank you.

1:58:7.260 --> 1:58:7.970

Apollonia, Rory

Have a great day.

1:58:8.780 --> 1:58:9.160

Apollonia, Rory

Take care.

1:58:10.160 --> 1:58:10.440

Sergio Carrillo

Thanks.

1:58:10.450 --> 1:58:10.810

Sergio Carrillo

I will.

1:58:11.130 --> 1:58:11.560

MARK KIRSCHBAUM

Thanks Lori.

1:58:13.320 --> 1:58:13.430

Apollonia, Rory

No.

1:58:15.0 --> 1:58:15.460  
nlafayette shrenergy.com  
Thanks Roy.

1:58:18.500 --> 1:58:19.10  
Brian Farnen  
Are you Roy?

1:58:20.690 --> 1:58:21.70  
STEVENSON2, CORNELIUS2  
Play your.