# I. Meeting Packet



### State of Florida

# Public Service Commission INTERNAL AFFAIRS AGENDA

Tuesday – February 22, 2022 9:30 AM Room 148 – Betty Easley Conference Center

- 1. Expansion of broadband services to rural communities Ms. Marva Johnson, Group Vice President, State Government Affairs, Charter Communications South Region (Attachment 1)
- 2. Legislative Update
- 3. General Counsel's Report
- 4. Executive Director's Report
- 5. Other Matters

BB/aml

OUTSIDE PERSONS WISHING TO ADDRESS THE COMMISSION ON ANY OF THE AGENDAED ITEMS SHOULD CONTACT THE OFFICE OF THE EXECUTIVE DIRECTOR AT (850) 413-6463.

# III.Supplemental Materials for Internal Affairs

# Closing the Digital Divide to Create Economic Opportunity

THE FLORIDA PUBLIC SERVICE COMMISSION

**FEBRUARY 22, 2022** 

MARVA JOHNSON
MICHAEL CHOWANIEC



### **AGENDA**

Charter- National & Florida Profile

Broadband and the Digital Divide

Solutions to Address Florida's Connectivity Challenges

Ready to Move Forward Together

## **OUR NATIONAL IMPACT**



## Nearly 450 Million

IP Devices Connected to Our Network



### 53 Million

Homes Passed in 41 States





31 Million

**Customer Relationships** 





29 Million

**Broadband Internet Customers** 



16 Million

Video Subscribers

10 Million

Voice Subscribers

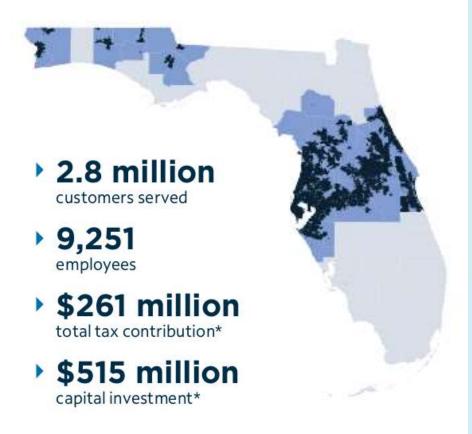
2.7 Million

**Mobile Lines** 

over 750,000

Miles of Network Infrastracture

# Charter Communications in Florida



### SERVING FLORIDA

Charter's insourced, U.S.-based workforce includes **9,251** people in Florida.

Our largest employment centers are housed in Riverview, St. Petersburg, and Orlando.

We serve 160 communities across the state.

Spectrum News 13 in Orlando, Spectrum Bay News 9 in Tampa and the Spectrum News App provide 24/7 news, sports, and weather coverage along with In Focus public affairs programming.

### EXPANDING BROADBAND ACCESS

From 2018-2020, Charter extended its network to reach an additional 2.5 million homes and small businesses, about a third in rural areas.\*\*

In 2020 alone, Charter extended its network to reach an additional 99,000 homes and small businesses in Florida.

## SPECTRUM: BEST PROVIDER FOR RURAL AREAS



### U.S. News and World Report

### Best Internet Providers for Rural Areas

U.S. News 360 Reviews takes an unbiased approach to our recommendations. When you use our links to buy products, we may earn a commission but that in no way affects our editorial independence.

### By Onjeinika Brooks

July 8, 2021, at 1:00 p.m.

In most urban and densely populated areas of the U.S., broadband internet access is readily available. That's due in part to existing wiring and infrastructure, as well as new construction in expanding cities. But when it comes to Rural America, missing infrastructure can be an Achilles heel, leaving fewer options for households that need fast internet access for school, work, and other activities.

In an increasingly connected world, reliable internet is important for all. However, data collected by the U.S. Census Bureau found 81% of households in rural areas are connected to broadband internet. To help those in less populous areas find the best internet service, we've used our rating for the Best Internet Service Providers of 2021 to create the Best Internet Service Providers for Rural Areas of 2021 rating. Satellite companies HughesNet and Viasat made our list because they're available almost anywhere with a clear view of the sky, but keep reading to see what other options you may have.

Our Best Rural Internet Providers Rating

- **#1** Spectrum Internet
- #2 HughesNet Internet
- #2 Frontier Internet
- #2 CenturyLink Internet
- #5 Viasat Internet



# Broadband and the Digital Divide



## The Digital Divide and Broadband Access Challenges

The FCC's 14<sup>th</sup> Broadband
Deployment Report released in
January 2021 estimated that
there are 14.5 Million
Americans without access to
broadband.

**BroadBandNow** estimates that the # of Americans without access to broadband is much higher--- **42 Million**.

 Approximately 804,000 or 18% of the FCC's estimated Americans without access to broadband live in Florida.

Source: Fourteenth Broadband Deployment
Report | Federal Communications Commission
(fcc.gov)

 Approximately 2.4 Million of BroadbandNow's estimated American's without access to broadband live in Florida.

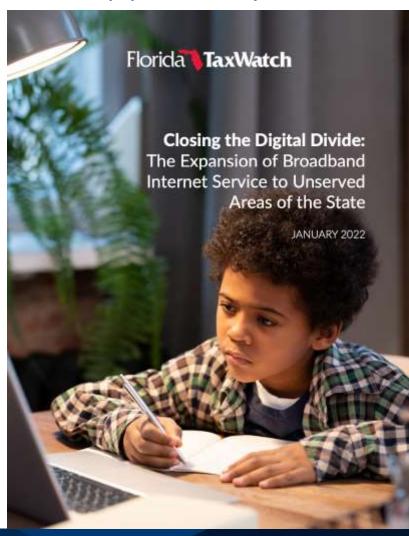
Source: https://broadbandnow.com/research/fcc-broadbandoverreporting-by-state



# Closing the Digital Divide

# Unlocking the Gateway to Economic Opportunity

- Expanding Broadband Internet service to the 804,000 to 2.37million Floridians that lack access is estimated to generate between \$2.25 Billion and \$16.83 Billion in economic gains.
- Every month that the expansion of high-speed broadband Internet service to unserved areas is delayed costs Floridians between \$13.6 Million and \$99.51 Million in economic and social costs.
- The Federal Communications Commission allocated over \$192 Million to Internet Service Providers to help close Florida's broadband connectivity divide under the Rural Digital Opportunity Fund (RDOF).
- Florida has the opportunity to invest additional onetime, federal funds to secure the economic opportunities that closing the digital divide can yield.



# **Expanding Affordability Solutions**

### **Spectrum Internet Assist**

Ongoing offer from Spectrum despite COVID-19 Pandemic (\$18/month)

### Spectrum

### SPECTRUM INTERNET® ASSIST

Affordable, reliable high-speed Internet access for qualifying households

Spectrum internet Assist is a low-cost, high-speed broadband service that provides qualifying households with Internet service für \$17.99 per month.

To qualify for Spectrum Internet Assist, a member of the household must be a recipient of one of the following programs:

- . The National School Lunch Program (NSLP); free or reduced-crist lunch + The Community Eligibility Pravision (CEP) of the NSLP
- . Supplemental Security Income (SSI) (age 65 and over only) Programs that do not qualify for Spectrum totaling Apper Social Security Assaults. (SSD), Social Security Dissisting Inturence (SSD), and Socialy Security Receivement and Siciliar Security Receivement and Siciliar Security Receivement and dissistence Research Security Receive (SSS) and dis MOT meet elipitably requirements.

If you believe you may qualify, visit SpectrumInternetAssist.com.

- + Enter in your 5-digit ZIP code to see if Spectrum Internet Assist is available in your area.
- + If available, you will receive direction to call 1-844-525-1574 to start the qualification process.
- + If Spectrum Internet Assist is not available in your area, you will receive a coming-soon message and be asked to check back for updates

### GET CONNECTED WITH HIGH-SPEED INTERNET FOR \$17.99/MO

Spectrum Internet Assist gives your household a reliable. blazing-fast connection to the world of information, education, entertainment and services that are available online.

With Spectrum Internet Assist, you'll enjoy:

- + 30 Mbps of Internet speed with NO data caps
- . FREE Internet modern
- . No contracts over
- Add fast in-home WiFi for \$5 more a month

To get started, visit:

SpectrumInternetAssist.com

### **Affordable Connectivity Program**

Federal Program Providing Relief to Qualified Persons. Credit up to \$30/month or \$75/month in Tribal Lands.

### The Affordable Connectivity Program

### Stay connected and save up to \$30/mo.\* on your Internet service.

Great news! You may be sligible to receive high-speed Internet. service at no-cost\* from Spectrum through the Affordable Connectivity Program (ACP).

This program was created to ensure eligible households like yours will have the services you need.

The need for fast, reliable bitternet is more critical than ever and Spectrum is committed to bringing you the best speeds available. Find out if you are eligible for this great program and start enjoying fast internet speeds. We look forward to welcoming you as a Spectrum Internet® customer

#### CHARLEVING GROUPS

- . Lifetite eficials or breakfest eligible
- . Free or restuced school lunch.
- . Pel-Grant recipient.
- Vetwara Ferision and Survivors Benefit

# HIGH-SPEED INTERNET

AT NO COST\* Depending on level of Spectrum Internet service Airwell augistrupon terronation of ACF

SPECTRUM INTERNET

### We've made it easy to find out if you qualify:



Your household may qualify for the Affordable Convectivity Program, Visit. www.acpbenefit.org.to find out more.

#### STEP 2: REDEEM YOUR SAVINGS WITH SPECTRUM

Call Spectrum at 1-833:660-0447 or visit Spectrum.com/ACP to sign up for high-spend internet and save up to \$50 a month if you qualify

If you are a current Spectrum Internet rustomer sail 1-833-660-0447 to save up to \$10/ms, on your service.

### ENJOY FAST INTERNET

Surf and stream with your Spectrum high-speed internet service and home WiFi. A temporary monthly credit will be applied to your account.

Property this meat the GANA magnitudes are Halland, SHAP (St. Trabull Halla Hausing wolfath); These capport and increase and harvour a Hersian speaks alrements in the area. ADD The in Convenience



# **Supporting Adoption Initiatives**



Spectrum
Digital
Education
Grants

As part of its five-year, \$7 million commitment to support digital literacy, Charter this year awarded \$1 million in Spectrum Digital Education Grants to 49 nonprofits across the country which will use the funds for broadband technology programs and training.

# Launching – Spectrum Community Assist



**Job Skills Training** 



**Physical Improvements** 



**Broadband Connectivity** 



**In-Kind Contributions** 

Charter Launched Spectrum Community Assist in the Fall of 2021

- Spectrum Community Assist, is a new philanthropic program to improve the physical condition of community centers in underserved rural and urban communities.
- Charter will offer in-depth partnerships with 100 community organizations to carry out the physical improvements, supported by Charter employee volunteers.
- In addition, philanthropic investments will support new or existing job skills programs offered in these centers.

**Program Goals:** 

100 COMMUNITY CENTERS IMPROVED BY 2025 50,000
PEOPLE SERVED BY COMMUNITY CENTERS BY 2025



# Solutions to Address Florida's Connectivity Challenges



## FLORIDA CAN BE FIRST TO CLOSE THE ACCESS GAP



State	Population	FCC Est. Population without Access	FCC Est. Population % with Access
California	39.5 Million	594,000	~98%
Texas	29 Million	1,230,000	~95%
Florida	22 Million	804,000	~97%
New York	19.5 Million	250,000	~99%

Florida Broadband Coverage		
Broadband Coverage	# of Counties	Counties
Less than 50%	6	Dixie, Gilchrist, Holmes, Jefferson, Levy, Washington
50.1% to 75%	7	Bradford, DeSoto, Jackson, Lafayette, Liberty, Madison, Taylor
75.1% to 95%	20	Alachua, Baker, Calhoun, Charlotte, Columbia, Franklin, Gadsden, Glades, Gulf, Hamilton, Hardee, Hendry, Highlands, Okeechobee, Putnam, Santa Rosa, Suwannee, Union, Wakulla, Walton
95.1% to 99%	25	Bay, Citrus, Clay, Collier, Duval, Escambia, Flagler, Hernando, Indian River, Lake, Lee, Leon, Marion, Martin, Miami-Dade, Monroe, Nassau, Okaloosa, Palm Beach, Polk, St. Johns, St. Lucie, Sarasota, Sumter, Volusia
<b>Greater than 99%</b>	9	Brevard, Broward, Hillsborough, Manatee, Orange, Osceola, Pasco, Pinellas, Seminole
Source: BroadbandNow	com	

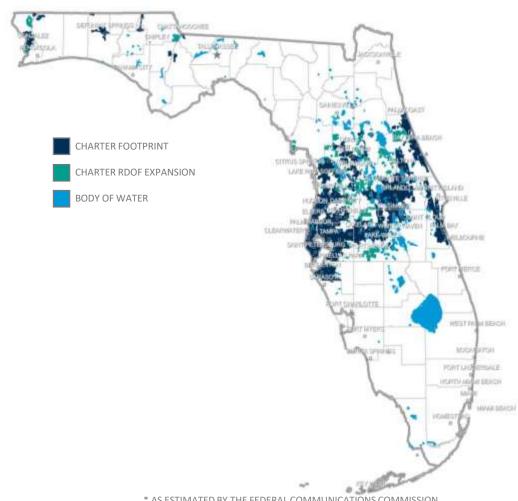
# Charter's Florida RDOF Footprint



FLORIDA

RURAL DIGITAL OPPORTUNITY FUND **NETWORK EXPANSION** 

FL RDOF Total Support	\$191,753,610
Charter RDOF Total Support Won	<b>\$22,577,364</b> (12%)
FL RDOF Support Locations*	141,625
Charter FL RDOF Support Locations*	<b>17,869</b> (13%)



# Investing in Broadband: Federal Resources

Examples of Federal One Time Funds Available in Southeast States

State	State ARPA	County ARPA	Muni ARPA
AL	\$2,120,279,417	\$952,386,209	\$430,650,620
FL	\$8,816,581,383	\$4,171,798,633	\$1,517,703,957
GA	\$4,853,535,459	\$2,072,390,644	\$576,059,064
КУ	\$2,183,237,290	\$867,793,106	\$395,397,702
MD	\$3,717,212,336	\$1,174,302,468	\$619,195,908
NC	\$5,439,309,692	\$2,037,187,362	\$668,167,686
SC	\$2,499,067,328	\$1,000,077,338	\$191,161,056
TN	\$3,725,832,113	\$1,326,486,991	\$516,849,109
VA	\$4,293,727,162	\$1,657,924,506	\$618,276,089
TOTAL	\$37,648,782,180	\$15,260,347,257	\$5,533,461,191



# Florida's Broadband Deployment Act of 2021

### THE BROADBAND DEPLOYMENT ACT OF 2021

Progress Toward Universal Broadband Access in the Sunshine State

HB 1239 addresses long-standing barriers to connectivity for the nearly 804,000 unserved Floridians who still lack access to high-speed internet, including:



### **Equitable Cost Sharing**

Establishes a more equitable allocation of costs for replacing municipal utility pole infrastructure and prohibits charging pole attachers to replace municipal poles that are beyond their useful lives.



### Predictable & Fair Rates

Provides a temporary reduction in the annual rate paid by broadband providers to attach their networks to poles owned by municipal electric utilities in unserved areas.



### **Funding for Buildout**

Establishes a supplemental funding mechanism to incentivize service providers to invest in deploying broadband to unserved areas.



### Strategy for the Future

Directs the Florida Office of Broadband to formulate a strategic plan to increase broadband service in unserved areas and broadband adoption statewide.



- Directs the Florida Broadband Office to develop the state's broadband strategic plan by June 30, 2022.
- Established the framework for Florida's state broadband grant program (the Broadband Opportunity Program) and allocated \$1.5 Million for broadband mapping.
- Created an incentive to accelerate deployment in some areas by offering a promotional pole attachment rate.
- Removed some infrastructure access challenges related to facilitate broadband deployment in rural areas.



# Investing in Broadband: State Resources

Examples of Broadband Deployment Funding in Southeast States

State	State Broadband Program/Administrator	Total Fund	FCC Estimate of Population Without Broadband Access
AL	AL Broadband Accessibility Fund (ADECA)	\$25 Million	608,000
FL	FL Broadband Opportunity Program (FDEO)	TBD – "Subject to Appropriation"	804,000
GA	GA Broadband Program (GADCA)	\$300 Million	654,000
KY	KY Broadband Deployment Fund (KIA)	\$300 Million	257,000
MD	MD Expansion of Existing Broadband Networks Funding Program (MDDHCD)	\$400 Million	152,000
NC	NC GREAT Grant (NCDIT-BIO)	\$967 Million	472,000
TN	TN Broadband Accessibility Grant Program (TNECD)	\$500 Million	433,000
SC	SC Broadband Infrastructure Program (SCORS)	\$400 Million	451,000
VA	VA Telecommunications Initiative (VADHCD)	\$700 Million	498,000

\*Red denotes anticipated funding



# Ready to Move Forward Together



**BUILDING INFRASTRUCTURE & INVESTING IN TECHNOLOGY** 

In the coming months we will **develop our deployment plans** that will reflect extending our network from our existing footprint in various areas

Field walkouts & network planning is already in progress Charter is required to service all homes in the awarded census block groups.

As we prepare our deployment plans our **goal is to perform outreach to all impacted government permitting agencies and pole owners** 

The timely execution depends on building effective working relationships with all pole owners and municipal, county and state agencies

Network construction is dependent on many external factors such as, pole attachment agreements, pole applications, make-ready construction and underground permitting

er the past 5 years, harter has invested nearly in American Infrastructure and Technology. 2016-2020



### FCC RDOF Build – Out Requirements



- Winning Bidder Must Build-Out:
  - o 40% of passings must be constructed by year 3 → Dec 31, 2024
  - o 60% of passings must be constructed by year 4 → Dec 31, 2025
  - 80% of passings must be constructed by year 5 → Dec 31, 2026
  - 100% of passings must be constructed by year 6 → Dec 31, 2027
- Build-Out Compliance: Evaluated at the state level, not the CBG level
- Passing is "Served" for Purposes of Build-Out Requirement: If a customer can receive the speed/latency bid within 10 business days of a request for service
- Updated Passings: The FCC will update the number of passings in each CBG by 2027; if there are more, we will have until Year 8 to offer service to 100% of passings; if there are fewer, we will have until Year 6 to offer service to 100%

# Closing the Digital Divide: Expanding Connectivity

Local Solutions Example: Flagler County, Florida

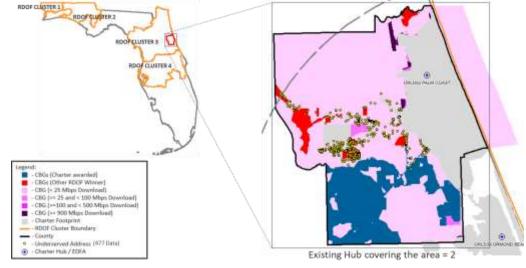
### County plans \$7.4 million project to extend broadband to western Flagler

Palm Coast Observer (11/16/2021) Johnathan Simmons

Western Flagler County residents will get broadband internet connections through a new partnership between the county government and a private company called Charter Communications, with the county using \$1 million in American Rescue Plan Act money to fund the westward expansion.

"We have moved fast and done it in a year," said Commissioner Joe Mullins, who's pressed for the broadband expansion. "That's called getting results."

The project cost is expected to cost about \$7.4 million overall. "This is an example of Flagler County getting it right," said Greg Blosé, president and CEO of the Palm Coast-Flagler Regional Chamber of Commerce. "The way that your staff and Charter, this public-private conversation worked behind the scenes for months and months, really renewed my faith in government."



The three-phase effort to extend broadband service to approximately 1,144 homes on the west side will begin with a \$4,965,267 Phase I that will include 823 connections. The county will cover \$780,576 using money from a American Rescue Plan Act allocation. Charter will cover the remainder of the Phase I costs, with about half of its portion coming from a Rural Digital Opportunity grant. Money is already in place for the first phase.

A second phase will add another 148 connections for \$1,574,792. Funding for that phase isn't settled yet. The county expects to put in another \$219,424 from ARPA allocations, bringing its total use of ARPA money to \$1 million across the first two project phases. Charter would cover \$296,000, leaving a \$1,059,368 funding gap.

A third phase would cover another 67 connections for \$887,331, with Charter covering \$134,000 and the remaining money not yet accounted for.



# Thank You



# IV. Transcript

1		BEFORE THE PUBLIC SERVICE COMMISSION
2	FLORIDA	PUBLIC SERVICE COMMISSION
3		
4		
5	PROCEEDINGS:	INTERNAL AFFAIRS
6		
7	COMMISSIONERS PARTICIPATING:	CHAIRMAN ANDREW GILES FAY
8		COMMISSIONER ART GRAHAM COMMISSIONER GARY CLARK
9		COMMISSIONER MIKE LA ROSA COMMISSIONER GABRIELLA PASSIDOMO
10	DATE:	Tuesday, February 22, 2022
11	TIME:	Commenced at 9:30 a.m. Concluded at 10:41 a.m.
12	PLACE:	
13	PLIACE.	Betty Easley Conference Center Room 148
14		4075 Esplanade Way Tallahassee, Florida
15	REPORTED BY:	DANA W. REEVES Court Reporter and
16		Notary Public in and for the State of Florida at Large
17		one beate of florida at harge
18		PREMIER REPORTING
19	,	112 W. 5TH AVENUE FALLAHASSEE, FLORIDA
20		(850) 894-0828
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22		
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24		
25		

### 1 PROCEEDINGS

2. CHAIRMAN FAY: Good morning, everyone. 3 Welcome to internal affairs. We've got a few 4 things on our agenda this morning. One thing I 5 want to do just quickly, before we get into our official agenda items, is I know Commissioner Clark 6 7 had started Employee of the Month recommendation 8 process, and we're keeping that going. And so for 9 January we had one of our employees, Colin Roehner, 10 who does a number of things in the clerk's office, 11 but essentially oversaw the confidential filings of 12 documents during the remote COVID process and so 13 the pandemic -- during the pandemic. Anyway, he is 14 our Employee of the Month for January. 15 here this morning, but I wanted to make sure 16 that -- to give him that recognition. And he said 17 that he really enjoyed the Commission, which I 18 thought was very valued and interesting, because he 19 also mentioned that I think this was his 24th job 20 that he had had, and so that's a good sign maybe 21 that we're doing something right. So, anyways, 22 we'll try to at least each month make sure that we 23 recognize that employee. 24 With that, I know -- throwing a lot of love to 25

Commissioner Clark over here, but we had this idea

or concept that the Commission had brought up 2. before about essentially bringing up different content so we could transparently be educated and informed on different things that come before us. And as many know, sometimes our jurisdiction expands and sometimes it shrinks, but there are a growing number of topics, especially in the telecom industry, that are coming towards us.

And so one of those concepts was broadband funding and how that essentially is going to impact our state and potentially in our regulatory lane as it relates to the Commission. So we're fortunate enough to have an entity that is extremely engaged in this. And I actually -- they had their meeting last week -- their D.C. meeting last week, and this was every -- almost every telecom meeting this was the hot topic. This was something that everybody is asking about and trying to figure out what the future may look like as it relates to expansion of broadband.

So, with that, I want to recognize Marva

Johnson, who's going to give the presentation this
morning from Spectrum. And, if we could, we
potentially may have questions as you go through
the slides, and I give the Commission full

1	authority to sort of jump in as they need to. And,
2	if not, we can always ask you those questions at
3	the end, your team. I'll also give you the
4	potential out. We have staff that are expertised
5	in the telecom industry. So if we ask you a
6	question that goes beyond sort of your scope, or
7	maybe something that you're working on within
8	Charter, then please feel free to don't hesitate
9	to recognize it might be beyond something that you
10	guys are working on, and we'll have our staff
11	address that. The idea just being that we want to
12	give our Commission, all five of us, an opportunity
13	to be better informed on this topic.
14	So, with that, I'll let you, Ms. Johnson, I'll
15	let you address the Commission. Thank you.
16	MS. JOHNSON: Thank you, Chairman. I
17	appreciate it. And thank you all for the
18	opportunity to be a part of this briefing session.
19	I spend my entire day, all day, trying to focus on
20	opportunities to bring broadband to underserved
21	locations. So I'm excited always whenever anybody
22	wants to hear more about it. I'm joined here today
23	by Mike Chowaniec oh, there you go. Sorry. I'm
24	joined here today
25	CHAIRMAN FAY: You might have to lean in a

1 little bit closer to the mics. Thank you. 2. MS. JOHNSON: Mike Chowaniec is my counterpart 3 He's our Vice President for State Regulatory Affairs with Charter Communications. 4 5 essentially has most of the Eastern, sort of the central through eastern side, of the country. 6 7 you want to say hello? 8 MR. CHOWANIEC: Good morning. Pleasure to be 9 here with you this morning. 10 Of course, we're -- we have MS. JOHNSON: 11 Floyd Self with us, as well. And just -- I know 12 I've met many of you, but although you all probably 13 recognize me as a Floridian, and I am a Floridian, 14 I actually, within my role at Charter, have 15 essentially the southeastern side of the -- you 16 know, parts of the United States. So my region is 17 basically the nine states from Maryland down to 18 Florida, and I get the privilege of living here in 19 the great Sunshine State. So, again, thank you for 20 the opportunity. 21 And, on that note, I'm actually going to 22 advance to the background slide. Charter, just to 23 give you some overview of how we show up in the 24 marketplace, and just to reconcile where we are as 25 a service provider broadly, it's -- here are our

1	favorite facts. There are over 450 million
2	connected devices on our network at any given time.
3	Our network reaches 40 53 million homes across
4	the United States in the 41 states where we provide
5	service. In those 41 states, we have 31 million
6	customer relationships. So one of my favorite
7	things that our CEO, Mr. Thomas Rutland, said when
8	we merged the three entities, when we merged
9	Charter Communications into Time Warner and
10	Brighthouse, was that our greatest opportunity
11	every day is to actually get those customers whose
12	homes we've already expended capital to serve, that
13	we have taken that our technology reaches that
14	don't take our service, that's our greatest
15	opportunity, because that capital has already been
16	expended. So I always look at that 53 million
17	homes we reach and compare it to the 31 million
18	customers we have, and I know that's my opportunity
19	every day.
20	We also have 29 million customers who take our
21	broadband internet service. So if you know Charter
22	Communications as a cable operator, I would ask you
23	to start to think of us as a broadband service
24	provider where, you know, we focus on connectivity.
25	We have 16 million customers who are video

1 subscribers. And, you know, that really puts that 2. in perspective. If I had -- I remember I when I 3 worked for MCI about -- whew, I don't want to say 4 how long ago because then you'll know how old I 5 am -- but, it was with that with MCI. I remember at my interview, the person I was interviewing with 6 7 said that these networks are converging, and this 8 is when we didn't even allow local telephone companies to offer long distance telephone service. 9 10 And so when you sit here and you look at this 11 entity that is now Charter Communications, where we 12 are a long distance service provider, we offer 13 local telephone service, we offer wireless service, 14 video service, and, you know -- and broadband, you 15 know, we finally reached that convergence that some 16 decades ago, Mr. Dennis Richardson was telling me 17 about. We have about 10 million voice subscribers. 18 19 And, you know, the last report I got out of the 20 state of Florida, we were actually the largest 21 landline voice service provider in the state of 22 Florida, at least. We have about 2.7 million mobile landlines, and there's over 750,000 route 23 24 miles of network infrastructure here in the state 25 of Florida -- actually, across the country to

1 support our customers.

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Michael told me this would be easy, but I will find a way to mess it up. Spectrum was recently recognized by U.S. News and World Reports, though, as the best internet service provider for rural areas. And that's something that we're very proud of, because we know that we have made a commitment to investing in rural areas. Even before the Rural Digital Opportunity Fund program awards were made, about 30 percent of our network was already in rural areas, in rural communities. So as we lean in on that investment, and as we lean in on extending our plan to those customers, it was a nice badge of honor for it to be recognized by the U.S. News and World Report.

When we talk about the digital divide, we are generally here looking at a couple of data sets to frame what we think the concern is. The FCC's Fourteenth Broadband Deployment Report estimates that there are about 14 and a half million people in this country who do not have access to broadband. That means within that 14 and a half million people, the FCC had reported that about 804,000 or 18 percent of those people, are right here in the state of Florida.

We also like to compare that -- I'm sure you all have heard a little bit about the FCC's mapping and, you know, and you understand and appreciate the data -- just the data deficiencies in that So we also like to look at other data context. Broadband now estimated that about 42 points. million people across the country do not have access to broadband. And broadband now's estimate is that about 2.4 million of those people are here in the state of Florida. So when we look at the challenge, those are the numbers that we're often focused on framing.

And when we talk about what that cost is, you know, what's the missing opportunity cost, what's the economic loss to the state of Florida, that's where I think there's, you know, an opportunity for us to capture economic impact, and also an opportunity for us to support Floridians as they try to grab economic impact that they're currently losing in their everyday lives right now.

So there was a recent report done by Dr. Lopez at the University of Western North Carolina, and Patricia Craftin, and we also had our -- we were fortunate here in Florida to have Florida Taxwatch who looks at similar issues, do some additional

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1 analysis based on that report. And in the context 2. of framing the 804 to 2.4 million Floridians who 3 don't have access to broadband, they estimated that there's 2.25 billion to \$16 billion in economic 4 5 gain that we could realize here in the state of Florida, if those Floridians were granted access to 6 7 And the report also estimated that for broadband. 8 every month that these families and individuals go 9 without access to broadband, that's an economic 10 delay cost to these individuals of about 13.6 to 11 \$99.5 million in economic and social costs per 12 month.

> The FCC allocated about \$192 million within the Rural Digital Opportunity Fund Program for -to expand rural broadband here in the state of As mentioned earlier, Charter will be Florida. participating in that. But we really have a once-in-a-lifetime opportunity to close the digital divide by making the investments and infrastructure that are necessary to bring service to the remaining -- I'm going to use 2.4 million Floridians -- and it's really, I think, eye-opening, when you compare what the economic loss is to the numbers we think it's going to take to build that infrastructure. You know, if I told

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you it would take \$2 billion to build broadband out to the remaining 2.4 million families, that seems marginal compared to the economic loss and the economic gain that we could benefit from here in the state of Florida.

The one thing that we wanted to make sure we talk a little bit about is when you think about the broadband divide and you think about the digital divide, it usually comes in a couple of different areas. You first have to deal with the issue of access, you also have to deal with the issue of affordability, and then you have to, of course, address digital literacy.

So one of the things that we wanted to give some information about today is the affordability challenge, because we do feel like there's been quite a bit of investment made to make sure that broadband service is affordable for those families who actually do have access. And so Spectrum, like many other internet service providers, we've got a low-income broadband product offering that's available to families across the United States. That program's generally available to families who have children who are

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free-or-reduced-lunch-eligible or elderly

individuals who are SSI-eligible.

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Now, as a part of the FCC's effort to push for broadband adoption and to address affordability, they've evolved what they had is a program called the Emergency Broadband Benefits Program. They've transitioned that to the Affordable Connectivity Program, which affords individuals a \$30 credit towards their broadband service. Which if you use your \$30 credit in Charter's market to get our Spectrum internet assist, it would, of course, be a free product offering for you.

So Charter, when -- you're probably flipping between Charter and Spectrum, Charter is our parent company, Spectrum is our product set -- we participate in both programs. We'll continue to offer our Spectrum Internet Assist Program, but we'll also be participating -- or we also participate in the Affordable Connectivity Program, which is an FCC program.

We're also working to try to help support solutions that address the digital divide. And so we've been partnering with the communities where we have service through programs where we have our Spectrum Digital Education Grants. These grants are given in a process that requires an

1 application, each of these not-for-profits wanting 2. to participate in helping to extend digital 3 literacy training for their communities. 4 apply through our grant application process and we 5 have allocated, over the course of the last five years, over \$7 million dollars in our commitment to 6 7 advancing digital literacy across our -- across our 8 footprint. And, again, this -- these funds have gone to over 49 not-for-profits in the past about 9 10 five years.

11 We also, this year, are launching a new 12 program, which I'm very excited about because it 13 actually connects really well to our -- what I 14 think our mission and our unique status is as a 15 cable operator. People forget that we're 16 hyper-local. You don't get cable service from 17 sitting -- with someone sitting in an office in New 18 We actually have employees in the markets York. 19 that we serve. We live -- our employees live and 20 work and play in the same communities where we 21 deliver service. And so we're a hyper-local 22 And so having the opportunity with our business. 23 Spectrum Community Assist Program to really uplift 24 the communities where we provide service is 25 something that's very exciting. And although we've had numerous iterations of how we engage, this new program ties really nicely to our digital -- our efforts to help close the digital divide. It's called the Spectrum Community Assist Program.

And, with that program, we're actually partnering with community centers in underserved rural and urban communities to actually come in and help develop partnerships. We're going to do about 100 community organizations over the course of the next three to five years, and we're going to be supporting this effort through our employees' volunteer and -- volunteer commitments and engagement.

We're actually hoping that we'll be able to serve 50,000 people across our 41-state footprint in delivering job skills training, doing physical improvements to these community centers, helping these community centers secure broadband connectivity, so it'll be available for those -- for general community access, and then giving additional in-kind contributions to help those communities fulfill what their true missions are.

So that's a little bit about Charter and our efforts in the community to make sure that we're supporting the -- lifting the communities and

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1 closing the digital divide.

2. When we look again at Florida and the concern here in Florida, again, I'm going to point to the 3 804,000 people here in the state of Florida who 4 5 And I'd just like for you to don't have access. kind of frame that in the context of where we are 6 7 in terms of our size. So if you compare Florida to 8 California, California appears to be doing -- or 9 have a more aggressive approach to closing the 10 digital divide. They have fewer people who have --11 who don't have access and, consequently, a smaller 12 percentage of people who don't have access. Texas 13 has got a, you know, fairly big challenge. Ιt 14 would be like Texas, right, to have big challenges 15 and to make big commitments. But by comparison, 16 they're the second largest state in the country, 17 and they have 1.2 million subscribers -- 1.2 18 million Texans who don't have access. So they, 19 too, are working to try to close the digital 20 divide, as we are here in Florida. 21

New York, by comparison, as the fourth largest state has, you know, nearly a quarter only of the number of people who don't have access that we do here in Florida. So when we think about our 67 counties, there are six counties in this very

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1 robust and rich state who have who -- where there 2. are less than 50 percent of the residents who do 3 not have access to broadband, 50 percent or less. There are really only nine counties that can boast 4 5 that they have -- that 99 percent or more of the residents have access to broadband. 6 However, I 7 could go through each of these counties, and I'll 8 pick one. For example, Hillsborough County is on 9 our list of counties that would have 99 percent or 10 But if you go to Bithlow or greater access. 11 Christmas, Florida in Orange County, I can find 12 1,000 people who will tell you they do not have 13 access to broadband. And that's not my broadband 14 is awful and it doesn't work when I want it to, 15 that's I don't have access to speeds, to broadband 16 to service that is 25 down, three up. And I could 17 go across each of those and give you some subset of 18 residents who still don't have access to broadband, 19 even in those counties where we believe the access 20 is 99 percent or greater. 21 Coming back to the Rural Digital Opportunity 22 Fund that I mentioned earlier, that there were --23 there's \$192 million that was allocated through the 24 Federal Communications Commission to support 25 extending broadband to Floridians who do not have

1 access to broadband. The important thing to 2. remember about the Rural Digital Opportunity Fund 3 is those funds are being used to extend service in census blocks where there is zero broadband access. 4 5 So if I talk about Bithlow or Christmas, or any of the areas that may have pockets, they may be in 6 7 pockets of a census block, those wouldn't have been 8 included. But when you go across the U.S. and look 9 at the RDOF program, that's what we affectionately 10 call it, the census blocks that it focused on were 11 those that were the most disenfranchised, those 12 that didn't have any.

> For Florida, the \$192 million in federal support that was allocated to the state, Charter was the winner. And when I say winner, it was a reverse auction. And so we, in our bidding in the auction process, won about 17,869 locations based on the FCC's estimate. The state had 141,000 locations that were eligible for funding support for broadband expansion. Some of the other service providers, like Connexon, was a large winner of RDOF. They won about 80,000 locations here in the state of Florida. And they'll hopefully, I expect to -- they'll be building out their 80,000 locations.

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1	That 17,869-location estimate that Charter's
2	accountable for comes with \$23 million almost of
3	Charter of Florida's taxpayer dollars coming
4	back to the state of Florida. So that's, I think,
5	a win for Floridians. That will be coupled with an
6	additional investment by Charter. And I won't
7	share what the Florida-specific investment numbers
8	are, but to give you some sense of the scale,
9	Charter was the second largest winner of funding
10	and the largest winner of locations in the FCC's
11	auction across the country. In total, that looks
12	like about 1 million locations that we will be
13	building under RDOF across the country, and our
14	award was about \$1.2 billion from the Federal
15	Communications Commission for RDOF. We will be
16	adding \$3.8 billion in private capital to that 1.2
17	in order to deliver service to the million
18	locations across the country. So that gives you
19	some relative perspective on the investment that
20	will be required to supplement this actual build
21	for Charter here in Florida.
22	If you think about what resources are
23	available to help close the digital divide, the
24	most obvious resource right now is the one-time
25	federal resources that are available for the state

of Florida, that's about \$8.8 billion in ARPA money for the state. The counties in Florida have gotten about \$4 billion worth of ARPA money, and the municipalities have about \$1.5 billion in ARPA money.

One of the programs that, you know, we were hoping would have some funding with some of these ARPA funds allocated is the Broadband Deployment Act of 2021. We were fortunate that the legislature has recognized how important this issue is and the need to solve for this challenge for many of Floridians. And that what the Broadband Deployment Act of 2021 will do is it helps resolve some of the infrastructure access concerns that make building to these rural areas an impediment.

And so the first thing is that it did is it allowed for some cost sharing, so that when we are, as an internet service provider, trying to access utility poles, in this instance, it's specifically municipal-electric-owned utility poles, we are shifting the cost sharing so that if a pole has to be replaced, rather than 100 percent of that cost's being shifted to the broadband service provider, the utilities will now only shift those costs in certain instances. So before this bill was

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passed -- if I'm in a rural area and I needed to attach to a utility pole, a municipal-electric pole in order to extend broadband service, and that pole was not sufficient, maybe it was old or maybe it was -- there as a safety standard that it was in violation of, so that pole needed to be replaced, 100 percent of the cost of replacing that pole would have been passed back to me as the broadband service provider.

It sounds easy. Right. Like, how much could a wooden pole cost? Maybe it's costs \$500. That's not the challenge in this math. The challenge in the math here was that we had to perform a function called make-ready, which means you've got to go take everything off the pole, you got to take the pole out, put a new pole in, put everything back on the new pole, and that's where the cost gets accelerated and the timing gets accelerated.

But what the Broadband Deployment Act of 2021 said is that if the pole is beyond its useful life, or if the pole should have been replaced because it was -- it violated a safety standard, that costs can't be shifted to the broadband service provider. So that was very helpful because it removes one of the challenges financially to deploying the

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service. It also helped us get some predictable rate structures and it created the program that would allow the state to fund and to supplement the funding for broadband deployment under a grant program, and it gives us a great foundation for moving forward with future broadband expansion by creating, within the Department of Economic Opportunity, the Broadband Deployment Office and assigning certain responsibilities to that effort.

So moving then to, how do we -- how do we put all these pieces of the puzzle together. You know, by comparison, I just mentioned that we did get a state grant program that was funded and is now law -- or, I'm sorry -- that was passed into law as a program structure but was not funded. When we look at what other states have done -- and, again, my region is the southeast region, so I thought that was an interesting comparison. Alabama has funded their broadband grant program with \$25 million this year. They also recently voted to set aside additional American Rescue Plan dollars to support further broadband deployment, and that will be about another \$250 million. Georgia recently did a broadband grant program with their state and local fiscal recovery funds. They set aside \$300

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1 million dollars of their state and local fiscal 2. recovery funds for broadband deployment. They got 3 over \$3 billion in applications to cover \$300 4 million worth of opportunity, and they decided to 5 award over 400 million, even though they had only budgeted 300 million, to advance their efforts to 6 7 close the digital divide. Kentucky has set aside 8 \$300 million to solve for the same problem, and 9 they're doing it in different tranches. So right 10 now they're considering applications with \$50 11 million of grant money on the table. 12 I won't go through all of these. I'11 13 start -- I'll stop at North Carolina because North 14 Carolina is very interesting. Again, North 15 Carolina, by comparison, has 472,000 unserved North 16 North Carolina set aside \$967 million Carolinians. 17 in order to address the digital divide. 18 North Carolina's \$967 million, 100 million of that 19 infrastructure money was set aside for utility pole 20 So \$100 million of the 967 will be replacement. 21 used to replace utility poles in areas where their 22 replacement is necessary in order to extend 23 broadband. 24 North Carolina also did a couple of other 25 interesting things. They set aside a specific

1 amount of money to support digital literacy. 2. created two broadband grant programs, one called 3 The Completing Access to Broadband, and the second 4 called the Great Program, which was actually an 5 extension of a program that's been in place there And both of those programs, the 6 for some time. 7 Great Program and the CAB's Program, are focused on The differentiating 8 infrastructure deployment. 9 factor between the two is that the Completing 10 Access to Broadband Program encourages partnerships 11 between local counties and broadband service 12 providers. So they're just getting the Great 13 Program grant application window running for this 14 year, and then we'll see where they go with CAB's. 15 But that's our little survey, at least, at the 16 southeast in terms of how -- what solutions have 17 been brought forward to help solve for the digital 18 divide. 19 So, as Charter looks to give and to influence 20 and to build in a way that recognizes our ability 21 to contribute in solving this problem, we're going 22 to be working over the coming months to continue to 23 develop our deployment plans. We'll be looking to 24 see where we can, based on our existing footprint,

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based on our RDOF award areas, and where we see

1 additional opportunity to build, we'll be looking 2. to see if we can create projects and create 3 partnership opportunities to extend our network. 4 In order to get our RDOF efforts securely 5 positioned, we'll be continuing to do field walkouts. We actually need to walk the plant. 6 7 Like I told you earlier, that the FCC's number of locations were estimated. 8 In order for us to 9 refine and actually be accurate with those 10 estimates, we actually physically have to walk the 11 plant to confirm that these locations are real and 12 they're not, you know, fields or, you know, forests 13 or whatever it might be. 14 We're also, like I mentioned earlier, also 15 doing outreach to local governments to see if 16 they're interested in using any of the American 17 Rescue Plan dollars allocated to them to help solve 18 for closing the digital divide in their -- their 19 community. We've been working with our municipal 20 partners who are, you know, of course, they're

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1 they're an electric cooperative that's here and 2. they have -- you know, they touch a couple of 3 counties in central Florida. They've been a great 4 partner to work with because they were able to find 5 creative solutions to allow us to accelerate our And we'll talk a little bit about it later, 6 7 but we just turned up 1,000 locations in 8 Withlacoochee's footprint for people who didn't have broadband access. 9

And we're -- you know, again, we are going to go as fast as we can, but there are some factors that can slow us down. And the main one right now is just making sure we can get access to the critical infrastructure, including the poles.

We, under our RDOF commitment, have to build 40 percent of the locations assigned to us by the end of year three, which would be December 31st, 2024. We believe that we're on track for that and we actually are seeing an opportunity as we build out our RDOF footprint, we're seeing what we call synergy opportunities. So if we thought we were building to 500 places, when we get there, it might look more like 550, because they are, you know, maybe locations that are across the street, and though they were not in the same census block,

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they're close enough for us to go ahead and extend our plant there. So it's actually been, I think, a good effort for us.

And coming back to the local partnerships. We recently reached agreement with Flagler County where we also had some Rural Digital Opportunity Fund locations that we would be building. We did a white space -- we call it a white space assessment. So what that basically means is we look to see where there were existing service providers offering service at 25-3 or greater, we look to see where there were federal funds allocated and committed to build to unserved locations in Flagler, and then we looked, and what the Delta was -- is what we call white spaces, those are places where there are people that don't have broadband. And we worked with Flagler County to come up with a public-private partnership where Flagler will be investing a million dollars, and we'll be paying the remaining balance to build our network to reach unserved homes. It's about 1,144. There's 1,144 in that county right now. There's still a few addresses that won't have connectivity. They're in less densely populated areas. And once the State Broadband Grant Program's available,

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1	we'll look to find another opportunity to help
2	close the remaining digital divide for Flagler.
3	So that is the end of our prepared
4	presentation, but I'm happy to take any questions
5	that any of you may have. Thank you,
6	Commissioners.
7	CHAIRMAN FAY: Great. Thank you, Ms. Johnson.
8	I do have a few questions for you and your team.
9	And then, once again, if it's sort of outside your
10	scope, we can always have our staff address these,
11	but my first question was just you gave us those
12	numbers on slide seven about the 804,000 and then
13	the 2.4 million. Do you have a basis or any idea
14	why there's such a wide margin in those numbers?
15	MS. JOHNSON: Yes. Fundamentally, the FCC's
16	maps, when they prepared them, they called a
17	partially served census block served. So in the
18	FCC's report, if there are five homes in a census
19	block, even though there may be 500 homes in that
20	census block, but if five of them have broadband
21	access, that census block is considered served.
22	Everyone, all 500 would be considered served in the
23	FCC's report. Broadband now tried to estimate
24	beyond that to show the true differential.
25	What we will have going forward, and Michael

1 can probably tell us when the FCC's new maps will 2. be available, they've moved now to shape file maps, 3 which allows them to better carve into some of the 4 census blocks, to give a more accurate 5 representation of what's truly served and not 6 So, as early as this summer, we may have a 7 different number through the FCC reporting. 8

CHAIRMAN FAY: Go ahead.

MR. CHOWANIEC: Good morning, Mr. Chairman. To sharpen Marva's point there, I think there was a recognition, you and other policymakers have kind of recognized and the SEC's recognized, that their methodology, right, for making the determination on access, because of this, what's called one-served all-served, right, phenomenon, the 477 data, is something that they're working. Right. So we and other providers have given them more granular data, and I think the expectation is probably by later on this year, they're going to be putting down a new data explanation that I think is going to be more granular.

Would they also be providing CHAIRMAN FAY: data at that point? Like, are there an aggregate entity of that data, or they'll just provide it more directive as to what's defined as served?

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1	MR. CHOWANIEC: I think it'll be I think
2	that's still very much a work in progress with the
3	FCC. I think the expectation is certainly that
4	they're going to be putting out higher-level
5	mapping representation. Right. What they provide
6	in terms of detail behind the mapping, I think is
7	still something that they're working through.
8	CHAIRMAN FAY: Great. Thank you. And then I
9	have just a few more questions, then I'll recognize
10	my colleagues. There's obviously still competition
11	in the marketplace, as far as what's being
12	provided. There's different types of services.
13	How do you I guess, how do you address or
14	explain the idea that there is still private
15	investment along with public funds? Because it
16	seems like there's so many different funding
17	mechanisms for public funding now that different
18	entities choose to either engage in or not. How do
19	those merge? How do we decide what gives us the
20	best overall coverage?
21	MS. JOHNSON: I will let I will definitely
22	let Michael weigh in here, too, but that is part of
23	the challenge that we have right now is being
24	efficient and effective with how we utilize the
25	funds and putting the emphasis on the true

1	priority, which is getting service to people who do
2	not have service today. And one of our concerns
3	has been that with so many funding sources
4	available for broadband deployment, that we will
5	underutilize the opportunity because some of these
6	funds may be used to overbuild existing broadband
7	service providers. Some of these funds will be,
8	perhaps, used to fund areas that already had
9	commitments for funding, for example, through other
10	federal opportunities, like Reconnect, the NTIA
11	grants, or RDOF. And it's, I think, incumbent upon
12	our executive leaders and our elected leaders to
13	try to frame for Florida what we think the vision
14	should be. So I think the broadband grant, the
15	Broadband Opportunity Program does what we need it
16	to in terms of kind of trying to filter all of
17	those funding opportunities into a decision-making
18	process that the Department of Economic Opportunity
19	can optimize instead of having everything be
20	scattered and possibly not meet our goals, because
21	we're not managing the focus.
22	CHAIRMAN FAY: Great. Thank you.
23	Commissioner La Rosa.
24	COMMISSIONER LA ROSA: Thank you, Chairman.
25	And thank you for the great presentation. As I was

listening, I was trying to kind of hone in on the

definition of rural, and I think I've heard you say

it there in answering the Chairman's question, when

you were saying that five served within a census

block checks the box of all served. Am I hearing

that right?

Yeah. So that you actually CHAIRMAN FAY: bring up a really good point, Commissioner La Rosa, and that is just a lining definition. Federal Communications Commission has defined unserved for broadband purposes as anybody who does not have access to a connection that is 25 megabits-per-second download and three megabits-per-second upload. And we try to speak in terms of unserved versus rural, because in here in Florida we do have rural communities. As big a state as we are, and as prosperous as our state is, we do have a number of rural communities. And over 20 percent of the people who don't have access to broadband are in those rural communities, but there are people who are unserved that are not in rural communities that are like in Orange County, for example, or Hillsborough County. So we generally speak from the unserved definition perspective, because the rural definition varies based on where

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1 Florida's defined our rural areas, rural 2. economic areas. North Carolina has a different 3 litmus for what they're defining as a rural 4 economic area. So those factors vary depending on 5 where you are geographically. Just as a note, that also has been factored into some of the state 6 7 broadband grant programs. So, as an example, in 8 North Carolina and in South Carolina, some of what 9 they've done is they've said, yes, the definition 10 of unserved is 25-3, and we want the broadband 11 grant program to be open to anyone -- to extend 12 service to anyone who's unserved, but when you 13 apply, we're going to prioritize the funding so 14 that it gets to the rural areas first. And then, 15 you know -- so that rural concept has been factored 16 into closing the digital divide opportunities in 17 different and various ways, but it's layered on top 18 of the unserved definition. 19 COMMISSIONER LA ROSA: Great. Okav. 20 going to -- I'm going to flip kind of the question 21 on you a little bit. Does this exist where there 22 are more maybe deserts within our service areas 23 that maybe don't have adequate infrastructure? 24 Meaning, like is there other part -- you know, 25 impoverished areas within cities where normal

1	infrastructure would be, you know, I guess, more
2	physical perspective we seem to have, the maybe,
3	equipment in the ground or access isn't there I
4	don't know why maybe I'm calling it a desert
5	where it's surrounded by access, but certain areas,
6	for whatever reason, does not have it?
7	CHAIRMAN FAY: I can think of some examples in
8	Hillsborough County. For example, you think of
9	Hillsborough County as a fairly large prosperous
10	not-near-rural-state I mean, county. There are
11	pockets, but they're not pockets within urban
12	areas, if that makes sense. By contrast, I could
13	pick for you in another state that I won't mention,
14	that's two states north of us, where there's a
15	county where the capital, the state capital, so
16	it's a fairly large county, the city that the
17	capital is in, is, you know, fairly densely
18	populated. And just outside the city walls, there
19	are pockets of communities that don't have access
20	to broadband. I just there may be similar
21	situations here in Florida, I just can't think of
22	one in my map in my head right now.
23	COMMISSIONER LA ROSA: Great. Thank you.
24	CHAIRMAN FAY: Commissioner Clark.
25	COMMISSIONER CLARK: Thank you, Marva. Thank

1 you very much for being here with us today. I do 2. have a couple of quick. Thank you for recognizing 3 there's still some rural areas in Florida, as well. 4 I think that often goes overlooked. Being an 5 individual that lives in one of those very rural communities that's at the 50 percent or less served 6 7 area, this is a great concern and something that I 8 do -- I'm very excited to hear that Charter is 9 considering making investments.

I got some questions about kind of some of the costs and some of the things that they're doing.

We keep talking about unserved areas, but how would you compare that to the number of Floridians that you would say are in an underserved area, as well?

Not only -- I realize you're 25-3 threshold. I kind of can relate to that a little bit. But we are also seeing so many instances where you start out with 25-3 service and then a year later, you don't have 25-3 or anything even close to it, as capacity -- capacity build-out begins and you begin to see the network traffic. How would you describe the need to enhance things for the underserved community?

MS. JOHNSON: Yeah. That's also been a tough thing definitionally to get consensus on. I do

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1	think that the Treasury guidelines, as it relates
2	to expenditures related to the American Rescue
3	Plan, are pushing us a little in that context. So
4	for example, today the Treasury guidelines would
5	suggest that to the extent funds are being used to
6	invest in broadband, we should look at networks
7	that look at extending service so that the minimal
8	level of service available is 100 by 20, or 100
9	symmetric or scalable to 100 symmetric.

So I -- one of the things that we are able to do with these one-time funds that just was financially impractical 18 months ago, or two or three years ago, is to plan for scalable networks, which are really going to not future-proof some of the deployments, but really give foundationally a really good solid technology foundation.

One of the things, Commissioner Clark, I hope you appreciate, when we extend our rural digital opportunity fund network, as well as when we extend our service through the partnerships that we're working on, and hopefully eventually through the state's broadband grant program, we're building networks that are a gig down and 500 megabits-per-second up. So we're extending service to these communities that have not had any

1	broadband, when they get it, they're leapfrogging
2	many of the other technology.
3	COMMISSIONER CLARK: Sounds like fantasyland.
4	MS. JOHNSON: It does. You know, that is
5	really part of the exciting part about it. It is
6	going to be a fiber-to-the-premise deployment and
7	it's going to have a gig down, 500 up.
8	COMMISSIONER CLARK: That was one of my next
9	questions is, what are you planning to build? It
10	is a complete fiber network, it's not a hybrid coax
11	fiber
12	MS. JOHNSON: Although there's a lot of life
13	left in that network. I said, there's a lot of
14	life left in our hybrid fiber coaxial network.
15	When we extend it, we'll be doing fiber to the
16	premises.
17	COMMISSIONER CLARK: And no consideration for
18	last-mile wireless? I mean, you've got a lot of
19	last-mile customers. Are you looking at wireless
20	options to serve some or
21	MS. JOHNSON: I do think that fixed wireless
22	is a great solution in this effort to solve the
23	digital divide that's not part of Charter's
24	technology solution. We were really focused on
25	extending our fiber-to-the-premise solution in

1	these rural areas, but we've had some very nice
2	partnerships. For example, Airspan, and they're
3	actually based here in Florida, but we're doing a
4	project with them in North Carolina. They keep
5	knocking on the door, reminding me we need a
6	Florida project. We're doing a fixed-wireless
7	or a 5G deployment with Airspan in the state of
8	North Carolina, and I know we're looking at
9	partnering with them, and I believe they're
10	partnering with other service providers to look at
11	where fixed-wireless solutions are a better option.
12	COMMISSIONER CLARK: My last one of my last
13	questions has to do with cost. Have you looked at
14	the underserved unserved area in Florida to cover
15	the 804,000 customers or I think I've talked to
16	that many people that don't have adequate service.
17	I think it's probably closer to 2.3 million. Have
18	you done an estimate of what it would cost to build
19	out the remaining portions of the state of Florida
20	that are currently unserved right now? Is there a
21	cost number that we could say, hey, here's what we
22	need to finish this?
23	MS. JOHNSON: That's a tricky number to grab,
24	because, as you just noted, that technology
25	solution will be a mixture of solutions. So, you

1	know, if it was all fiber-to-the-premise, that
2	would be one cost number versus if it's a mixture
3	of satellite, fixed-wireless, some fiber to the
4	premise. So, you know, I always play around with
5	the number from the Rural Digital Opportunity Fund.
6	If it was \$192 million that the federal government
7	was investing to get to 140,000 locations, and we
8	think there's at least 2.4 million so I just
9	keep extrapolating the math out there, but I don't
10	have a good solid and that's even still just the
11	subsidy investment. It's not the
12	COMMISSIONER CLARK: And I was doing the same
13	calculation. Some of the subsidies, they look like
14	they were averaging 2- to \$3,000 per customer in
15	subsidy.
16	MS. JOHNSON: You do good math.
17	COMMISSIONER CLARK: So my question is, what's
18	their real cost to see those customers served?
19	And, you know, of course, there is a formula for
20	capturing your return not to in addition to what
21	is available through the grant program, in addition
22	to maybe some customers, CIAC or some County
23	community involvement. You know, I don't think in
24	some areas that these numbers are completely
25	unreachable. I think you know, I go back to my

days with the co-ops where we had access to the

USDA funding to build these broadband networks, and

nobody ever took advantage of it, but that was some

low-cost cheap money that we could have had this

done, and fiber networks done about 20 years ago,

if we'd have taken some good initiative.

MS. JOHNSON: You're exactly right. eating the elephant, we got to do it one bite at a And so one of the things -- and I'm glad you time. mentioned our co-op friends. One of the things that's why the -- I am not here to advocate for anything, but I'm just going to mention this for awareness -- one of the bills that's pending consideration at the legislature today is Senate Bill 1800. And that bill was drafted in partnership with the co-ops. And the purpose of that bill is to help offset some of the infrastructure cost so that we can accelerate broadband deployment. And so that would be, you know, one opportunity where you're seeing creative solutions. You have infrastructure owners, service providers and local governments coming together in order to accelerate solutions.

Our Flagler County solution is another good one. One of the things that I -- when we looked at

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	1	where we might have opportunities for partnership,
	2	because we had such an effective working
	3	relationship with Withlacoochee Cooperative, one of
	4	the things we've done is we've mapped their
	5	footprint to see what it would take to make sure
	6	that every member within Withlacoochee's footprint
	7	had access to gigabit speeds or higher. And even
	8	within the NTIA grant application process, we
	9	filed Pasco County filed a grant application to
	10	try to get additional funding to be a partner to
	11	help build out the rest of Pasco, which was a piece
	12	of Withlacoochee's footprint. Once Florida has a
	13	state broadband grant program that's funded, that's
	14	one of the opportunities that we would look at, is
	15	looking to partner with our co-op partners to see
	16	how we can best service and help them support their
	17	efforts to service their members.
	18	COMMISSIONER CLARK: My final question, Mr.
	19	Chairman. Where are you starting at? What
	20	counties are we starting at, the underserved, or
	21	are we starting at the 70 percent, or the 50
	22	percent?
	23	MS. JOHNSON: For our network, we're starting
	24	with our Rural Digital Opportunity Fund areas as
	25	the anchor. And if you think of it as those areas
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1	are the most desperate, because nobody has access
2	to broadband, they're typically the highest cost.
3	So once I plant an anchor there, everything between
4	where those high-cost areas are and my urban areas
5	becomes cheaper to serve. So we're trying to
6	anchor our efforts in our RDOF deployment, build
7	partnerships to accelerate it, and then to extend
8	it, and then we are hopeful that we'll get to fill
9	in the gap. You know, it'll the effort to fill
10	in the gap will be smaller as we, you know, tackle
11	the big piece first.
12	COMMISSIONER CLARK: Thank you very much.

Thank you very much. COMMISSIONER CLARK:

MS. JOHNSON: Thank you, Commissioner.

CHAIRMAN FAY: I have one maybe last sort of closing question for you. It might be something that our staff would have to direct us to, but to Commissioner Clark's point, when we as a Commission hear from folks, they don't have access or don't have coverage in a way that is sufficient to do what they need to do, I think there's some clear recognition that the pandemic made this even more essential for a lot of us. And there's some consideration as to how many students were impacted by access, how many folks who would normally be in an office working from home. Do we have any idea

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1 of ways for customers that, for example, might be 2. in some of these territories, to get a better 3 understanding if through this funding -- and I know 4 there's different mechanisms, so it's a hard 5 question, but how they can find out information about, you know, will I be included in this, is 6 7 this something that we might be a part of, or my --8 my area might be a part of that hasn't been served in the past? Because I know there are folks who 9 10 are probably giving strong consideration for the 11 significance of that access and considering things 12 like satellite, which maybe haven't even been 13 considered before, but that they just -- they don't 14 know the reality of how far away they are from 15 getting that access that they need. And I think that information, even if an area isn't likely to 16 17 be soon covered, which will be a reality based on 18 the numbers we have, that they can at least know 19 that and start to give consideration to how they 20 could get information. 21 Absolutely. And one of the MS. JOHNSON: 22 things that we can do is make sure we follow up 23 with the FCC link where they can see which 24 addresses -- they can type in their address and see 25 if it was in the RDOF estimated locations.

1	that will also provide for you a link that is
2	specific to Charter's rural broadband deployment,
3	and that's a tool that tracks to our Charter
4	website. And it will tell you specifically if your
5	address is within our build plan, not just for
6	RDOF, but we're extending that tool to support some
7	of these one-on-one local partnerships that we're
8	building so that our community residents and
9	communities where we're extending service will
10	you know, I know it's hard to know, am I near
11	Charter, or am I near Comcast? You know, I know
12	it's a little bit of magic and guessing. But for
13	folks in our general area, you'll be able to go to
14	our website we have about our rural deployment and
15	type your address in and see if you're in our plan
16	builds.
17	CHAIRMAN FAY: So that that's not just for
18	RDOF funding, it's for other partnerships you would
19	have?
20	MS. JOHNSON: Yeah. Right now it's mostly
21	RDOF, but what our plan is is to include all of our
22	rural build programs. So if we, in states where we
23	have state broadband grants, include those
24	addresses, as well as our direct relationships.
25	CHAIRMAN FAY: So if you work through DEO

through that -- some of that additional funding, you would update that map, those folks that have been included that might actually be able to see that? Is that --

DEO, in fact, could also be a MS. JOHNSON: good aggregator for that data. And, as an example, in South Carolina, one of the things they are doing with their maps is we are providing a map of our existing footprint and we're providing a map of our planned builds. So, for South Carolina, their map layers in, here's where the service providers are today. And they did it in a way that's agnostic, so you're not giving away my trade secrets. shows where there's service today. And then we communicated with them what we plan to build by the end of 2022 and what we plan to build by the end of 2023, and that lights up different colors within the South Carolina map so that you can see how -what the plan is to extend the full broadband access in the state.

CHAIRMAN FAY: Great. Thank you. That -- I think that addresses that, obviously, different customers will be in different areas, but at least they can have some information, or a basis of the time line, as to when that coverage would occur.

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1	I just want to thank you, again, for taking
2	the time to be here today and answer our questions
3	and inform us. We, of course, have staff that work
4	on these issues. And so as I bug them with
5	questions, they may bug you with questions. And so
6	I appreciate your patience with that, too, and that
7	we just want to make sure we have the best
8	information to put out to consumers that might be
9	interested in what this is going to look like for
10	our state. But I do think it sounds like the gap
11	has been closed, and hopefully we'll be competitive
12	in our efforts to close it as quickly as possible.
13	Although, Commissioner Clark may disagree that it's
14	not fast enough, but we'll get there eventually, at
15	some point. So thank you, again, for your time
16	today.
17	COMMISSIONER LA ROSA: Chair, can I ask one
18	quick question?
19	CHAIRMAN FAY: Oh, sure. Yeah. Go ahead.
20	COMMISSIONER LA ROSA: I appreciate it. And
21	the back and forth and the question
22	CHAIRMAN FAY: Yeah.
23	COMMISSIONER LA ROSA: And this may be maybe
24	almost a silly question, but I assume that in the
25	rural areas where infrastructure just isn't there

and you guys are getting to where you need to be, the conversion rate, I assume, is high?

MS. JOHNSON: Yes. Oh, my gosh, I love that you asked that question. So I've mentioned that we recently extended our plant to 1,000 new addresses in Hernando County under RDOF. The take rate is extremely high. People are anxious to get the connectivity. And if I can have that take rate across urban areas, that 31 million would be a much different number.

COMMISSIONER LA ROSA: Well, looking at your numbers, that's what actually triggered that. You should almost have a new stat when that -- when this continues to deploy, saying, hey, everything now we've deployed from this point with this program, look at what the conversion rate is. So just -- interested. That's what I assumed, but I just wanted to double-check. So, thank you.

MR. CHOWANIEC: And, Commissioner, I think that is an important observation. Right. Because it goes to how it is that we do our math. Right. In terms of anticipating business opportunity when we build out and, therefore, potentially adjusting the subsidy, right, that we would require, right, to do that build out. Right. If our assumption is

1	is that our math will be more attractive, the
2	public sector subsidy, therefore, would be
3	CHAIRMAN FAY: Great. Thank you for
4	addressing that question.
5	With that, you are dismissed as you might need
6	to run downtown for some things, I would imagine.
7	MS. JOHNSON: Oh, I get to check my text
8	message. I haven't heard. I hope it was good
9	news. Do you think?
10	CHAIRMAN FAY: Thank you again for your time
11	today. Yeah, I'll give them a chance to close up
12	and then we'll move over to our staff. I think
13	what I'll probably do is take our General Counsel's
14	report up first and then go to the Executive
15	Director where we can do a Legislative and
16	Executive Director update at the same time.
17	MR. HETRICK: Thank you, Mr. Chairman, and
18	good morning, Mr. Chairman and Commissioners. Mr.
19	Chairman, at your request, you asked me, and the
20	following is going to be a quick recap of '21
21	activities for GCL. And I'll keep this brief and
22	try to make just a few comments.
23	As you know, we started '21 working remotely
24	and by mid-2021 we had started to come back to the
25	office. Despite COVID, all staff, legal, technical

1 and administrative pulled together, worked hard so 2. that you could continue to vote at agenda 3 conference, keep abreast of administrative matters affecting the Commission, hear from stakeholders 4 5 about current topics and conduct hearings remotely. None of these accomplishments would have been 6 7 possible without our outstanding IT staff and I --8 I simply, we cannot get -- ever give them enough 9 credit, and you know that, all of us know that, but 10 they really made -- they were the backbone and glue that made this happen, Lee Kissell and everyone in 11 12 They gave us all the tools we that whole group. 13 needed to be successful for remote work during 14 COVID, and as we transitioned back into the work 15 environment. 16 Currently, Braulio and I have discussed this 17 many times, but he and I never really get tired --18 never get tired whatsoever of taking any 19 opportunity to recognize all of our amazing staff, 20 and we do so here today. 21 The following are some quick highlights of 22 2021 accomplishments of your legal and technical 23 The first point I'd make is in 2021, we saw 24 challenging dockets in every industry including 25 three major comprehensive base rate proceedings

1 involving four of our largest utilities. course, staff's efforts on all rate cases was 2. 3 extraordinary and never lacked for enthusiasm. The 4 FPL rate case, perhaps the largest of rate cases, 5 involved over a dozen parties and a dozen remote We also balanced the demands of 6 service hearings. 7 over 14 dockets that went to hearing, and you also rendered a number of decisions on the status for 8 9 eligible telecommunication carriers and new area 10 code expansions. And we saw a time-sensitive and 11 rapid transmission and need determination 12 proceeding.

Secondly, in the appellate arena, the First District Court of Appeal rendered favorable decisions for the Commission, in two of -- upholding the Commission in two of our appellate cases last year. We also filed two appellate briefs in the Florida Supreme Court and made supportive oral arguments and are awaiting decisions in those matters.

Also, a number of rule-development workshops were held where the Commission received stakeholder comments on rule -- draft rules. Of particular note in regard to rulemaking is the pole attachment complaint rule, which was proposed last November in

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response to the legislature's mandate to propose a rule by December 31st, 2021, and that rule will be back before you again at the next agenda.

Finally, we responded to 48 public records requests. So I have my GCL supervisors here today, Samantha, Jennifer and Lee Anne, who I'd like to congratulate for the hard work they did with their staffs and their attorneys and working with all technical staff. And should you have any particular questions on matters, they're here today to answer those.

In closing, I'd simply like to say that I'm so proud of all my attorneys, and not just for the quality of work and effort that they continuously provide, but also for the enthusiasm that they seem to constantly bring to the table day in and day As a group, they are fun and extraordinarily out. talented and fearless bunch, and I think we all recognize and enjoy the challenging nature of both the legal and technical work that we perform. This is really an interesting, exciting arena that we wake up to day in and day out. And we particularly enjoy working for a Commission that's deeply supportive of staff. So for me, and I quess on behalf of all of us, it continues to be an honor

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1 and privilege to serve this Commission. And that's 2. my report, Mr. Chairman. 3 CHAIRMAN FAY: Great. Thank you, Mr. Hetrick. 4 Good luck, Mr. Baez, on your report after that. 5 Oh, I'm --MR. BAEZ: I do just want to echo what Mr. 6 CHAIRMAN FAY: 7 I mean, I think it was a unique year Hetrick said. 8 for a lot of people and I think we have -- we have 9 mandates both on a statutory level and then from 10 implementing with perspective to rulemaking, and to 11 keep those going within the deadlines, I know at 12 times the workload can be challenging. I also know 13 that I tend to make a lot of calls and ask a lot of 14 questions at times when there's a high workload. 15 And so I add to that, I think we all do at times, 16 but the goal is to get the best information we 17 have. So I appreciate the update from last year. 18 I know this upcoming year and the following year 19 and the near future we'll continue to be busy, and 20 we'll try to be responsive in what the legislature 21 So I appreciate your update and directs us to do. 22 I think that we'll leave Mr. Baez to update us on 23 his stuff, which may not be quite as fun. 24 ahead, Mr. Baez. 25 Boy, if I had a dime every time I MR. BAEZ:

1	heard that about me. But, well, I'll start by
2	echoing what our General Counsel said. And kudos
3	to the lawyers, who are lawyers, for defending our
4	honor inside and out of the building. They do a
5	marvelous job for us, and I know I've bored quite a
6	few of us that are in here saying I always like my
7	chances, even when the Commission's decisions are
8	challenged in court, because we have really smart,
9	really hard-working lawyers doing doing hard
10	work. So thanks to them for that.
11	48 PRR's. That's that actually sounded
12	kind of low. I was surprised. It feels like more.
13	Nevertheless, today's the 43rd day of the
14	legislative session and our legislative team, as
15	you know, has been working hard monitoring bills
16	and coordinating Commission responses and the work
17	of our technical with the input of our technical
18	staff and experts.
19	I have two bills to update you on
20	specifically. Those are the Lifeline bills.
21	They're the bills that the Commission has had a
22	hand in a proposed you know, helping propose or
23	helping shape during this session. They are
24	Bills Senate Bill 7036 and the companion bill,
25	House 789. The Senate bill got passed earlier this

month and it's in messages in the House. The House
bill is also awaiting approval, being taken up on
the House floor. Hopefully we'll get some
resolution sometime soon.

To the earlier discussion, and there may be some late-breaking update. I know that the Senate Bill 1800 and 1802, the bills that Ms. Johnson was referring to earlier, were up or are up even as we speak. And I'm getting a thumbs up. Apparently, they did pass. I know that there was some amendments that were tacked on, and we'll fill you in individually later with any meaningful updates. But you heard the report. That has now moved on.

That pretty much does it for the legislative portion of it. We'll continue to update you.

Obviously, there are pretty meaty bills that are out there still to be resolved and are moving through the House. Two of them in particular we will continue to update you as to their progress.

And when we have matters that have been resolved by the legislature, we'll definitely update you as to those resolutions.

As always, if you have questions on any specific bill, we try and do our best to get you tracking information so that you can keep track of

1 the movement of legislative proposals on your own. 2. So, if you ever have questions, obviously, please 3 We have many, many people that are let us know. 4 ready to break it down for you all individually at 5 your convenience. I don't have anything else to report. 6 If you 7 have questions, please see us. 8 CHAIRMAN FAY: Any questions, Commissioners? 9 Thank you. Great. 10 With that, I did just want to mention briefly, 11 based on Mr. Baez's comments, I know we did have an 12 oral argument before the Supreme Court, I think, in 13 between our last meeting and this meeting, which 14 Adria Harper did on behalf the legal staff, and 15 just want to commend her, from the preparation and 16 respect for the court and candor that she had in 17 presenting that. So very proud of her to see her 18 represent our Commission that way, and thankful 19 that she's on our team. So if anyone tries to 20 steal her, please let us know. So we'll be ready 21 to respond accordingly. 22 With that, Commissioners, I want to make sure 23 there wasn't any other information that you would 24 want to bring to our attention this morning. 25 ahead.

1	COMMISSIONER CLARK: I just wanted to say
2	thank you for putting this program together this
3	morning. This was a dream of mine during the COVID
4	era, that we would be able to have some programs
5	for the Commission, informative programs. And I
6	got several I have asked specifically my staff to
7	begin working on. One is for a prepaid metering
8	workshop not workshop prepaid metering
9	presentation, something that I've long been an
10	advocate for and would like to see this Commission
11	begin to at least have a little bit of advocacy
12	for. And so I've asked them to but I would
13	encourage us all to bring some ideas to the table
14	for things that we're very interested in seeing and
15	would like a better explanation, more information
16	about for these programs in the future. But thank
17	you for your leadership in that area.
18	CHAIRMAN FAY: Great. Thank you, Commissioner
19	Clark, and we'll make sure that's included in an
20	upcoming meeting and, as always, Commissioners, if
21	there's any information or topics you'd like to
22	address.
23	With that, if there aren't any other comments,
24	we this meeting is adjourned. Thank you.
25	(Proceedings concluded.)

1	CERTIFICATE OF REPORTER
2	STATE OF FLORIDA )
3	COUNTY OF LEON )
4	I, DANA W. REEVES, Professional Court
5	Reporter, do hereby certify that the foregoing
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7	stated.
8	IT IS FURTHER CERTIFIED that I
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12	transcription of my notes of said proceedings.
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16	attorney or counsel connected with the action, nor am I
17	financially interested in the action.
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