TESTIMONY OF JAMES P. GRIFFIN, Ph.D. CHAIR, PUBLIC UTILITIES COMMISSION STATE OF HAWAII

TO THE HOUSE COMMITTEE ON ECONOMIC DEVELOPMENT

February 2, 2022 10:00 a.m.

Chair Quinlan and Members of the Committee:

MEASURE: H.B. No. 1782

TITLE: RELATING TO BROADBAND SERVICE INFRASTRUCTURE.

DESCRIPTION: Allows an electric utility to own, operate, lease, plan, construct, install, maintain, and/or replace broadband facilities, including middle mile infrastructure, to help facilitate the development of and investment in broadband facilities and services to rural, unserved, underserved, and urban communities throughout the State.

POSITION:

The Public Utilities Commission ("Commission") offers the following comments for consideration.

COMMENTS:

The Commission appreciates the intent of this measure to facilitate improvements in broadband services to rural, unserved, underserved, and urban communities throughout the state.

The Commission notes that the Senate Committee on Energy, Economic Development, and Tourism recently passed SB 2173, the companion to this bill. In doing so, the Committee amended the measure to incorporate suggestions shared by the Department of Commerce and Consumer Affairs' Division of Consumer Advocacy ("Consumer Advocate") to facilitate streamlined and efficient application and review processes. The Commission supports the intent of these amendments and defers to the Consumer Advocate on whether the proposed language is consistent with their recommendations.

Should this measure be adopted, the Commission will take appropriate actions to ensure that regulated utilities are required to accurately account for their broadband-related financial activities and to distinguish these transactions from those that might impact ratepayers. Such actions will help to identify cost causation and prevent cross-subsidization among electricity customers and broadband customers, or between electric utilities and unregulated affiliates that may provide broadband service using utility infrastructure.

Thank you for the opportunity to testify on this measure.



DAVID Y. IGE GOVERNOR

STATE OF HAWAII OFFICE OF THE DIRECTOR DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS

CATHERINE P. AWAKUNI COLÓN
DIRECTOR

JO ANN M. UCHIDA TAKEUCHI
DEPUTY DIRECTOR

335 MERCHANT STREET, ROOM 310 P.O. BOX 541 HONOLULU, HAWAII 96809 Phone Number: 586-2850 Fax Number: 586-2856 cca.hawaii.gov

Testimony of the Department of Commerce and Consumer Affairs

Before the
House Committee on Economic Development
Wednesday, February 2, 2022
10:00 AM
Via Videoconference

On the following measure: H.B. 1782, RELATING TO BROADBAND SERVICE INFRASTRUCTURE

Chair Quinlan and Members of the Committee:

My name is Dean Nishina, and I am the Executive Director of the Department of Commerce and Consumer Affairs' (Department) Division of Consumer Advocacy. The Department offers comments on this bill.

The purpose of this bill is to facilitate the development of broadband facilities and services throughout the state by allowing electric utilities to use utility easements and public rights of way to deploy broadband infrastructure and by allowing electric utilities to own, operate, lease, plan, construct, install, maintain, and/or replace broadband facilities. This bill will add a new chapter to the Hawaii Revised Statutes entitled Broadband Deployment Over Electric Easements Act.

The Department appreciates the intent of the bill and recognizes the importance of developing broadband facilities that reach all communities throughout the state, especially those in unserved and underserved areas. The COVID pandemic has clearly shown the need for broadband facilities to allow for distance learning, telemedicine, teleworking, and staying connected in our communities. The Department also

appreciates the comprehensive provisions including the liability provisions to protect the electric utility and the owner of real property with an existing electric easement.

The Department offers the following observations and comments.

The Department recognizes that the purpose of the bill is to enable the electric utilities to facilitate broadband access to our most vulnerable populations. The Department recommends that there should be a requirement for electric utilities to establish Hawaii Public Utilities Commission approved procedures and processes related to the clear separation as to how the electric utility records the financial activities for any such investments in broadband facilities and services to avoid the possibility that electric service might subsidize broadband service. The Department maintains that costs should be paid by the cost causer and that electric customers should not be potentially burdened with higher rates.

It is for the above reason that the Commission established rules known as the Affiliate Transaction Requirements¹ that provide safeguards to avoid potential market-power abuses and cross-subsidization between regulated and unregulated activities and to govern the interactions between the Hawaiian Electric Companies and their affiliates in transactions related to acquisitions or investments. Since this bill will give the electric utility authority to allow a broadband affiliate or any other person to construct, install, own, operate, lease, maintain, and/or replace broadband facilities within the electric utility's easements, the proposed bill may require the Commission to revisit and possibly amend the safeguards included in the Affiliate Transaction Requirements to accommodate a broadband affiliate.

§A-6(b) states that except for the provisions in §A-6(a), the new statute is not intended to alter HRS § 269-19. The Department suggests that clarifying language be added to HRS § 269-19 that provides for a streamlined application process for the sale, lease, assign, mortgage, disposal or encumbrance of any utility property used for broadband deployment. Further, in order to facilitate a streamlined process while still protecting electric customers and the respective electric, broadband, and telecommunications markets, the electric utility companies should be required to file

Exhibit A filed in Order No. 36112 in Docket No. 2018-0065 on January 24, 2019.

Testimony of DCCA H.B. 1782 Page 3 of 3

applications that have a minimum amount of information to facilitate a streamlined and efficient review process.

The Department offers that these provisions may require the Commission and the Consumer Advocate to seek additional resources to initiate and maintain oversight over the broadband activities of the electric utilities and to ensure that customers are protected from cross-subsidization and unreasonable electricity rates.

Thank you for the opportunity to testify on this bill.

Testimony Presented Before the House Committee on Economic Development Wednesday, February 2, 2022 at 10:00 a.m. Bv

Garret T. Yoshimi, Vice President for Information Technology/Chief Information Officer University of Hawai'i System

HB 1782 - RELATING TO BROADBAND SERVICE INFRASTRUCTURE

Chair Quinlan, Vice Chair Holt, and members of the committee:

The University of Hawai'i, representing the State's broadband interests, supports HB 1782.

Robust, resilient and reasonably priced broadband services are a critical need for all of our communities. The global pandemic has only served to bring that need front-and-center over the past two years. Hawai'i needs all of our critical infrastructure operators to be part of the future broadband solution to help ensure that we will be well served both now and into the future. This bill serves to help include the significant and vital capabilities and experience of our electric utilities as part of our overall infrastructure solution, consistent with a national movement to expand and improve broadband access for all.

Thank you for the opportunity to provide comments on HB 1782.





Holding Power Accountable

Statement Before The HOUSE COMMITTEE ON ECONOMIC DEVELOPMENT

Wednesday, February 2, 2022 10:00 AM Videoconference & Conference Room 312

in consideration of HB 1782 RELATING TO BROADBAND SERVICE INFRASTRUCTURE.

Chair QUINLAN, Vice Chair HOLT, and Members of the House Economic Development Committee

Common Cause Hawaii provides comments regarding HB 1782 which allows an electric utility to own, operate, lease, plan, construct, install, maintain, and/or replace broadband facilities, including middle mile infrastructure, to help facilitate the development of and investment in broadband facilities and services to rural, unserved, underserved, and urban communities throughout the State.

Common Cause Hawaii is a nonprofit, nonpartisan, grassroots organization dedicated to reforming government and strengthening democracy - one that works for everyone and not just the special interests.

As technology advances, many of our basic democracy values depend on robust connectivity. Broadband enhances civic engagement, participation in the democratic process, and a responsive government. Yet too many in Hawaii lack access to affordable, high-speed broadband and continue to face significant barriers to get online.

Affordability remains the most significant barrier to broadband adoption while those on the wrong side of the digital divide are disproportionately low-income, people of color, seniors, people with disabilities, and other marginalized communities. Without broadband, these communities live in a democracy where their voices go unheard, and their needs are unmet.

Therefore, while it is necessary to develop and invest in broadband facilities and services in rural, unserved, underserved, and even in urban communities, ultimately broadband must be provided at an affordable cost. Common Cause Hawaii hopes that HB 1782's end goal is clear -- affordable, fair, reasonable, and nondiscriminatory high-speed broadband for all. Broadband equity is necessary for the good of our representative democracy.

Thank you for the opportunity to provide comments on HB 1782. If you have any questions of me, please contact me at sma@commoncause.org.

Very respectfully yours,

Sandy Ma Executive Director, Common Cause Hawaii





Testimony Before the House Committee on Economic Development

By David Bissell
President and Chief Executive Officer
Kaua'i Island Utility Cooperative
4463 Pahe'e Street, Suite 1, Līhu'e, Hawai'i, 96766-2000

Wednesday, February 2, 2022; 10:00 am Conference Room #312 & Videoconference

House Bill No. 1782 - RELATING TO BROADBAND SERVICE INFRASTRUCTURE

To the Honorable Representative Sean Quinlan, Chair, Representative Daniel Holt, Vice Chair and Members of the Committee:

Kaua'i Island Utility Cooperative (KIUC) is a not-for-profit utility providing electrical service to more than 34,000 commercial and residential members.

KIUC supports this measure.

There is no question that the continued deployment of broadband throughout the state is critical to promoting economic development, creating job opportunities, and advancing health care and educational goals and initiatives.

As an owner of critical infrastructure that could potentially assist in the expansion of broadband on Kaua'i, KIUC appreciates this effort to clarify the role we may play in the deployment of broadband facilities in our service area. We will continue to examine broadband opportunities in the broader context of our core mission, which is to safely provide reliable electrical power to our members that is fairly and competitively priced.

Thank you for your consideration.



TESTIMONY BEFORE THE HOUSE COMMITTEE ON ECONOMIC DEVELOPMENT

HB 1782

Relating to Broadband Service Infrastructure

Wednesday, February 2, 2022 10:00am, Agenda Item 4 State Capitol, Conference Room 312 and Videoconference

Christian Whitney
Director of Pole Infrastructure Enterprise
Hawaiian Electric Company, Inc.

Chair Quinlan, Vice Chair Holt, and members of the Committee:

My name is Christian Whitney, and I am testifying on behalf of Hawaiian Electric Company **in support** of HB1782. The purpose of this bill is to allow electric utilities to facilitate broadband expansion by leveraging their existing infrastructure to promote broadband deployment and digital equity to Hawaii's rural, unserved, underserved, urban and Hawaiian Home Land communities. Where mutually beneficial, this bill also allows third parties to use an electric utilities' easements and rights of way to further facilitate broadband expansion.

In order to meet shared State and community goals for a distributed energy future, including Hawaiian Electric's 100% renewable energy goal by 2045 and our 70% carbon reduction goal by 2030, we must modernize our electric grid which requires unique, robust and diverse telecommunications to all of our grid assets at the edge of every community on every island we serve. We are always focused on providing maximum value to the ratepayer; therefore, we support maximizing the value of Hawaiian Electric's investments in telecommunications infrastructure in new and

creative ways to address the growing need for equitable access to telework, telemedicine, remote learning, and participation in the digital economy. As the owner and manager of our own telecommunications network, we are able to provide our foundational, diverse middle-mile infrastructure, leasing it to internet providers and other third parties without duplicating efforts, congesting the right-of-way or view plane, or increasing costs to the consumer.

The idea of maximizing an electric utility's infrastructure for broadband deployment is consistent with what we observe in other states where similar legislation was passed in Alabama, Georgia, Mississippi, Virginia and Texas. Moreover, it is consistent with the priority of the National Association of Regulatory Utility

Commissioners' ("NARUC") November, 2021 Resolution Supporting Energy Company Communications Infrastructure for Broadband Expansion, to expand consumer broadband access by allowing energy companies to provide middle mile communications infrastructure and to reduce regulatory hurdles for doing so. 3

Electric utility telecommunication is increasingly important to operate the electric grid safely and efficiently. As Hawaiian Electric expands its telecommunications

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¹ See Ala. Code § 37-16; Ga. Code Ann. § 46-3-205; Miss. Code Ann. §§ 77-3-2(1), 77-3-44; Va. Code Ann. § 55.1-306; Tex. Utilities Code §§43.001-43.152.

² NARUC is a non-profit organization that seeks to improve the quality and effectiveness of public utility regulation and ensure that utility services are provided at rates and conditions that are fair, reasonable, and nondiscriminatory for all consumers. NARUC supports both a limited grant of authorization to electric utilities that provide broadband facilities and minimal regulation of electric utilities that contribute to broadband expansion.

³ "Resolution Supporting Energy Company Communications Infrastructure for Broadband Expansion," National Association of Regulatory Utility Commissioners, Nov. 9, 2021, ("NARUC Resolution"), https://pubs.naruc.org/pub/48B7A610-1866-DAAC-99FB-EEAD58155985, resolving that, "in the planning of [its own telecommunications] networks, energy companies should to the extent that they are authorized and it is feasible, consider sharing or making available wired and wireless 'middle mile' communications infrastructure to support the expansion of consumer broadband access." And further resolving that, "state legislatures and appropriate agencies and commissions should consider identifying and mitigating any overly burdensome legislative or regulatory obstacles to the expeditious deployment of energy company wired and wireless networks for critical grid communications and work to encourage the leveraging of 'middle mile' infrastructure for broadband expansion in unserved and underserved communities."

footprint for its internal purposes, this bill will allow the Company to share the benefits of its existing infrastructure and upgrades by providing its middle mile dark fiber backbone to broadband users throughout the State. In this way, the bill overlays Hawaiian Electric's existing infrastructure and future telecommunications infrastructure plans with the State's need to provide broadband to more users, and can simultaneously offer diverse routes from those that otherwise exist.⁴ Generally speaking, broadband consumers are also electric utility ratepayers, and by allowing Hawaiian Electric to leverage its broadband facilities and middle mile infrastructure in conjunction with last-mile providers, together we hope to positively impact the end user of both services—Hawaii's consumers.⁵

This bill would also enable the Company to allow third parties, where mutually beneficial, to utilize its electric easements and rights of way (collectively, "easements") for broadband expansion. This would significantly reduce the bureaucratic and/or political strain that can face internet providers when trying to reach unserved and underserved areas of the state. In this respect, we are able to support the State initiative to provide access to underserved and unserved communities by making the infrastructure we currently own and are installing (including our easements) available to others.

In closing, we view this bill as a creative and efficient way to bring together electric utilities' middle-mile infrastructure and their electric easements with last-mile service providers and other third parties to accomplish mutually beneficial broadband

⁴ NARUC states that energy companies that are building their telecommunication network can share their middle mile infrastructure with ISPs, "leveraging the energy company infrastructure to reduce the cost of bringing broadband Internet access to unserved or underserved communities." *Id.*

⁵ "Those communities in which the "leveraging" approach is implemented will benefit from both the increased availability of consumer broadband and the increased grid efficiency, reliability, safety, and security made possible by the new energy company broadband network deployed for critical grid communications." *Id.*

expansion objectives. We encourage any partnership that will allow Hawaiian Electric's ongoing and significant investments in grid reliability and security to bring additional benefits to the community by way of broadband equity.

Accordingly, Hawaiian Electric supports HB1782. Thank you for this opportunity to testify.



Charter Communications Testimony of Rebecca Lieberman, Director of Government Affairs

COMMITTEE ON ECONOMIC DEVELOPMENT

Hawai'i State Capitol Wednesday, February 2, 2022

OPPOSITION TO H.B. 1782, RELATING TO BROADBAND SERVICE INFRASTRUCTURE

Chair Quinlan, Vice Chair Holt, and Members of the Committee.

Thank you for the opportunity to provide testimony in **opposition** to H.B. 1782, a bill that would (1) grant authority to electric utilities to provide wholesale and retail broadband service, and (2) perfect their electric easements so that they can be used for broadband.

Charter supports efforts to promote fair competition and increased choices for broadband consumers. We also strongly favor policies designed to foster broadband expansion to unserved areas of Hawaii. The State's broadband policies, however, must ensure that competition is fair and equitable and that customers of regulated electric utility services are not subsidizing entry of electric companies into the broadband marketplace. When entities like electric utilities – which control the market – seek to enter competitive markets (like the broadband market), then, respectfully, legislators need to guard against the potential for them to leverage built-in advantages in an effort to gain an immediate and anticompetitive foothold in the new market. Electric utilities possess numerous advantages, including a captive rate-base and ownership of key infrastructure inputs like utility poles that, if left unpoliced, could become a means of artificially tilting the broadband market in their own favor. The

legislation, as currently drafted, neither acknowledges the existence of nor seeks to address the potential for utilities to leverage these kinds of advantages, to the detriment of consumers.

Allowing a monopoly provider of essential electric service to compete with private broadband providers risks distorting the marketplace and dis-incentivizing private investment in broadband in at least four respects.

First, electric utilities frequently control the poles that broadband providers must attach to in order to build out to customers, and charge providers for access to those poles. Because electric utilities own the poles on which Charter and other broadband providers attach, they have the incentive and ability to leverage their control over those poles in a manner that stifles broadband deployment and competition by over-allocating costs to competing providers for attaching to their poles. They may also engage in conduct that hampers competition, by slow-rolling or complicating make-ready work necessary for competitors to attach their transmission lines. Hawaii already has some of the highest pole rental rates for attachment to poles owned by the electric utilities and this has the potential to get worse if this bill passes. Under pole attachment agreements with the major provider in the state, broadband providers' use of the electric utility pole is secondary to the use by the electric utility and if they enter the broadband market, the electric utility can force broadband providers like Charter off the poles to make way for their own capacity. In addition, electric utilities entering the broadband market also have an incentive to provide their broadband affiliate — either directly or indirectly - with more favorable rates, terms, and conditions for accessing and utilizing poles.

Second, an electric utility with a captive electric market could drive private competitors out of the market by subsidizing build-out and customer broadband prices with their electric service. Electric utilities are driven by a completely different set of incentives than firms participating in competitive markets. Irrespective of the type of rate regulation their utility electric service operates under, they are effectively guaranteed a rate from their captive electric rate-base of customers that enables them to recover their costs, whether or not those costs are associated with the delivery of electric utility service. This gives them an incentive to push as many costs as possible – warehouse, vehicle, property, administrative, overhead, etc. – onto their utility rate base without a fear that customers will leave them for another provider. Hawaii already has the highest electric rates in the country and this could lead to even higher electric rates. If electric customers see their rates go up even further so their utility can deploy fiber, then they are contributing to the kind of cross-subsidization that PUCs and state legislatures have long sought to deter and prevent.

Third, while cost recovery of investments, plus a guaranteed profit on top of those investments is a core principle of electric utility regulation – that is certainly not the case with broadband networks. Internet service providers (ISPs), like Charter, invest large sums of risk capital every year without any guarantee of recouping those investments, let alone turning a profit. By contrast, utilities are able to avail themselves of guaranteed cost recovery mechanisms in their core electric business, which risks turning an otherwise competitive broadband market into an extension of the monopoly electric market. If an ISP must spend money to compete for customers on an uneven playing field, that can

affect its cost of capital – particularly relative to a regulated utility – as well as its incentive and ability to invest and innovate in its network or expand broadband into rural areas.

Fourth, allowing electric utilities to enter the broadband business puts the electric system and ratepayers at risk. If the broadband business fails, the electric utility must cover that failure through higher rates and taking on debt. It is the customer that pays for that failure over the long-term by paying those higher rates and the interest payments on those debts. There is no guarantee that a duplicative network will attract enough customers to generate the revenue needed to be successful and meet debt obligations, thereby leaving electric ratepayers and taxpayers with the bill.

Charter believes that every Hawaii resident should have reliable access to the Internet ecosystem. We stand ready to help bring the benefits of broadband and access to the internet to those who need it most. In 2020 alone, Charter extended its network to reach an additional 14,000 homes and small businesses in Hawaii, investing more than \$87 million in the state. Additionally, Charter is pleased to now provide high-speed data services to beneficiaries living in the Hawaiian Homelands following an announcement made earlier this month by DHHL, which allows homesteaders to obtain telecommunications services from a provider of their choice.

Charter is a member of DBEDT's weekly Broadband Hui to assist in strategic broadband planning and closing the Digital Divide. Additionally, Charter participated in the FCC's Emergency Broadband Benefit Program (EBB) and is now participating in the \$14.2 billion federal Affordable Connectivity Program (ACP). The EBB, and now the ACP, has helped connect over 18,000 eligible

households in Hawaii with high-speed broadband during the ongoing COVID-19 pandemic. Broadband internet access is more important than ever and the newly adopted ACP offers a tremendous opportunity to help low-income families stay connected, providing eligible households a discount of up to \$30 per month toward broadband service and up to \$75 per month for households on the Hawaiian Homelands.

Today's broadband ecosystem is robustly competitive. Competition thrives – and consumers benefit most – when firms compete for customers on a level playing field and success is determined by market forces and consumer preferences rather than via leveraging of monopoly assets and a regulated utility rate base. Because the risks to consumers and competition of entry into the Hawaii broadband marketplace by electric utilities outweigh the benefits, Charter respectfully opposes H.B. 1782.

Mahalo for the opportunity to testify.



Written Statement of Jeannine Souki Sr. Manager – Government & Regulatory Affairs

HOUSE COMMITTEE ON ECONOMIC DEVELOPMENT

February 2, 2022, 10:00AM State Capitol, Conference Room 312, Videoconference

COMMENTS FOR:

H.B. NO. 1782 RELATING TO BROADBAND SERVICE INFRASTRUCTURE

To: Chair Quinlan, Vice-Chair Holt, and Members of the Committee

Re: Testimony providing comments for HB 1782

Aloha Honorable Chair, Vice-Chair, and Committee Members:

Thank you for this opportunity to submit comments on House Bill 1782. The primary intent of this bill is to allow an electric utility to own, operate, lease, plan, construct, install, maintain, and/or replace broadband facilities including middle mile infrastructure, to help facilitate the investment to rural, unserved, underserved, and urban communities throughout the State.

Hawaiian Telcom recently met with the proponents of this legislation to discuss their need for this legislation. We have several concerns regarding this bill:

First, based on our meeting with the proponents of this legislation, we do not understand why this legislation is needed. For example, Hawaiian Electric can already build and lease broadband facilities to other companies as evidenced by Docket No. 2021-0186 before the Hawaii Public Utilities Commission, requesting approval to lease excess fiber to the military. Unlike the electric industry, there is no barrier for entry and significant competition in the broadband and telecommunications industry. This is evidenced by the 142 wireline telecommunications and 76 wireless telecommunications providers authorized to do business in Hawaii. As it stands today with or without this legislation, utilities like Hawaiian Electric can build and lease fiber to third parties. Public Utilities Commission ("PUC") procedures are already in place to establish new service providers including affiliates of electrical utility companies which in turn can enter into agreements with electrical utilities to lease their infrastructure.

Secondly, Hawaiian Telcom has serious concerns that this legislation will allow electric utilities, to leverage their ratepayer subsidized assets and easements to build out broadband infrastructure for other providers creating an uneven playing field.

Third, this legislation has the potential to impose significant impacts on a property-owner easement rights by allowing "any other person" to run networks that bypass and possibly undermine regulatory rules, and procedures. This provision should give landowners pause that access rights currently in place could become superseded by language in this bill.

Fourth, this legislation does not address gaps in broadband infrastructure service or digital equity needs because it does not prioritize the expansion of broadband infrastructure and services in unserved and underserved areas. This bill does not protect consumer interests and could very well result in higher costs for consumers.

While the policies promoted by the <u>National Association of Rural Utility Commissioners (NARUC)</u> resolutionⁱ offers support for "non-traditional broadband providers, electric co-ops, municipal utilities, and Investor-Owned Utilities providing service in unserved and underserved areas to quickly close the broadband availability gap," this bill provides electric utilities that are regulated monopolies in our state the unfettered ability to monetize poles, ducts, and easements throughout the state.

Hawaiian Telcom supports fair market competition and increased choices for broadband consumers. We also support policies that promote the expansion of broadband infrastructure and services in unserved and underserved areas in the state. We do not believe this bill will achieve the state's goals and will instead create an unfair advantage for electric utilities that will result in a reduction in both private investments and market competition in the broadband and telecommunications sector.

Thank you for the opportunity to submit these comments for House Bill 1782.

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¹ NARUC resolution sponsored by its Committee on Telecommunications and adopted by the NARUC Board of Directors on November 9, 2021

House Committee on Economic Development Hearing Date: Wednesday, February 2, 2022, 10:00am

Honorable Representatives Sean Quinlan, Chair; Daniel Holt, Vice Chair; and Members of the House Committee on Economic Development

Subject: HB 1782, Relating to Broadband Service Infrastructure TESTIMONY IN SUPPORT

Aloha Chair Quinlan Vice Chair Holt, and Committee Members:

Ocean Networks, Inc. has supported the expansion of Broadband Services in the State of Hawaii for many years. As such we firmly support this bill.

ONI supports this bill because it will enact steps to positively impact the expansion of broadband and provide digital equity specifically to the unserved and underserved areas which will contribute to the greater good for all people of Hawaii. Additionally, this broadband service infrastructure initiative will enhance the educational and healthcare services provided within the state. Historically middle mile infrastructure or the lack of such has made it difficult to deploy broadband connectivity throughout the State of Hawaii. Allowing deployment over Electric Easements will greatly increase the ability of third parties to deliver broadband.

Thank you for this opportunity to submit testimony. Please feel free to contact me if you have any questions.

Sincerely,

Cliff Miyake

VP, Business Development

Clifford Miyake

Ocean Networks, Inc.