February Meeting Minutes

23 February 2022
10:00 A.M.

Recording: Topic: https://networkmaine.zoom.us/rec/share/ajBf8Uv6mOnQKuXVZqj6ibMX-I1m2TT5UENTelQh5l3WORuFMPkI2cELK3SBUA3LzmVuBTcj-8UmHITt

Authority Members
Nick Battista, Chair
Jasmine Bishop
Fred Brittain
Susan Corbett
Heather Johnson
Jeff Letourneau
Liz Wyman

Introductions of Members and Staff
Nick Battista, Jeff Letourneau, Susan Corbett, Liz Wyman, Fred Brittain, Peggy Schaffer, Stephenie MacLagan, Jasmine Bishop

Notes of Last Meeting
Approval of the minutes: Jeff motioned, Liz 2nd, 5:0

Review of Operations
Executive Director’s Report—Peggy
  • Updates on NTIA grant & effect on infrastructure grants program
  No new updates from NTIA, no decision heard yet, but think we are still in the running.
  • Presentation of annual report to the legislature
  Presented with Andrew Butcher, Maine Connectivity Authority. Committee had no questions about the required content, but had lots of questions about state goals.

Review of Timelines—Stephenie
  • Targeting today for triennial plan adoption
  There’s an agenda item to review the process and next steps.
  • Targeting March to start strategic planning with the Maine Connectivity Authority
  Milestones are being identified now. This will start with refining the grants programs to more federal funds.
  • Targeting April for budgeting
  Start thinking about priorities for FY23. Staff aims to present recommended direction at the March meeting ahead of a drafted budget for the April meeting.

Board Discussion
  • Susan: Do you need a committee for strategic planning?
  Stephenie: I don’t think so, we’ll come back with more details on engagement at the March meeting. We’ll want to be thoughtful about committees, which have to have public meetings. I can share more in the next steps to the next agenda item…
Decisions on Operations
Triennial Strategic Plan—Stephenie

- Review process
Reminder that this is a statutory requirement but obviously different this time given that the Maine Connectivity Authority is getting established; public engagement will be more intensely solicited for the joint strategic planning in the future.

The draft plan was publicly posted on November 25. The required public hearing was held on February 2, with no registrations nor attendance. No comments were received.

- Next steps
ConnectMaine and MCA staff are identifying milestones and planning a process for public engagement moving forward. Starting with the grants program, which is part of the Capital Projects Fund program plans that need to be submitted for federal approval, we anticipate that program plan being ready for MCA meeting in early March and continuously working on drafting refinements to the program, both learning from this current application window and incorporating federal requirements. More information will be shared at the March meeting; as of now, we anticipate that after the April application window closes, we'll do a more thorough evaluation internally, aiming for May approval of the future application process and public engagement that month and in June, in order to potentially open the next application window as early as July. The larger, overall, strategic planning process would begin by fall.

All of this aligns with the triennial strategic plan as posted, which needs to be adopted to meet our statutory requirement.

Consensus to table adoption of the triennial strategic plan: 5:0

Board Discussion
- Nick: Shouldn’t we wait to adopt until after we hear about the NTIA decision?
Susan: I'd also like to table it. Jasmine echoed Susan.

Consider Support Program for Broadband Utility Districts—Peggy
- Updates on development of programming
Webpage launched for BUDs with a factsheet for communities interested in this type of structure; feedback has been positive.
Communities will still need tailored, technical assistance, and ConnectMaine is trying to figure out the most efficacious way to support.

- Discuss possible RFP
By ConnectMaine contracting for this additional technical assistance, we also gain consistency and ensure standards are met.
Staff used the RFP template previously approved by ConnectMaine.

Action: Staff will revise the draft RFP for technical expertise and assistance for BUDs, to incorporate the changes identified in board discussion, and will seek legal review, to be voted on at the April meeting.
Board Discussion

- Fred: What’s the anticipated volume of work? Hard for bidders to propose cost.
Peggy: The RFP tries to address some of that. We can offer ballpark for potential bidders, maybe 6-8 projects over the year.
Nick: We could add to the RFP some idea of work volume, and have bidders respond to the line between technical assistance and legal advice, to demonstrate understanding that ConnectMaine is a state agency in this respect. Echoed by Jasmine.

- Liz: Does this type of support cross the line on giving legal advice; is this beyond the scope of services we should be supporting? I won’t support this, even with additional language about legal services.
Jeff: I’m very supportive of this. Experience of Old Town Orono Fiber was that legal fees were greatly increased due to lack of information and guidance such as would be provided with this program. The amount of education and handholding required is staggering.
Nick: Echoing Jeff, this program would help remove the barriers and costs to communities, but it doesn’t provide the legal services required to directly set up a BUD.
Peggy: Correct, while legal firms could bid on this, we don’t anticipate crossing that line.

- Jasmine: Would declining these services preclude communities from being awarded planning grants?
Peggy: No, there isn’t any requirement to use these resources or grants, or both under this program. There is great demand for these resources.

- Jasmine: Has this been legal reviewed for our statute and rule?
Susan: echoed idea of voting on this next meeting, after a legal review and revisions.

Consider requests for extensions on grants—Stephenie

- Review requests made
The memo describes this process and lists the requests submitted. Recommendation is to approve an extension request for the Town of Rome that ends when their current VETRO Cares license ends, or the same completion date as the Town of Jefferson that is 1.31.23, whichever one is more gracious.

- Grants considered declined
The Town of Starks spent $1,000 less than their award.
If the extension isn’t granted to the Town of Rome, then the $1,250 remaining funds would be considered declined and could be available to other future planning projects.

Approval of the extensions requested: Fred motioned, Liz 2nd, 5:0, Susan abstained

Board Discussion

- Fred: You need a date for Rome?
Stephenie: Yes, they’re currently in VETRO Cares, so we could chose a date that gets them beyond that, and I think the January date does that. Echoed by Nick.
Consider requests for waivers from grants eligibility requirements—Nick

- Debrief process around the ConnectMaine rule

Request for required data filing within three months occurred on June 23.

Updates & workshops on mapping and grants program throughout the fall & December.

The Opportunity to Review Areas ending January 9 was also an opportunity for data filing.

The ability to request a waiver from ineligibility was communicated Dec. 20-Jan. 10.

Lengthy discussion and decisions made at meeting on January 12.

Another eligibility requirement, provider outreach, ended February 11.

The last time we waived rule was for the Connect the Kids projects in 2020, so we have done this for good cause in the past.

- Review correspondence with providers

Since opening the application window for broadband infrastructure grants, new communication from one provider and additional communication with another occurred.

UniTel is requesting the waiver due to the company being sold to a new owner. This sale hasn’t closed yet, but there is a proposed project they’d like to be eligible for grants. In the memo, there are suggested conditions for the waiver if granted.

The other request comes from FirstLight. No details on any specific project proposed.

Approval of waiving the eligibility requirements of required data filing for this application window of the broadband infrastructure grants program for UniTel with conditions: Susan motioned, Liz 2nd, 6:0

Disapproval of waiving the eligibility requirements of required data filing for this application window of the broadband infrastructure grants program for FirstLight: Susan motioned, Liz 2nd, 6:0

Board Discussion

- Fred: Would we still require the data filing?

Nick: We would be waiving the eligibility requirement; we wouldn’t be waiving the required data filing, and we should include that as a condition if a waiver is granted.

Susan: I’m comfortable with these extenuating circumstances.

- Jeff: Are they still subject to provider outreach? That window closed.

Nick: They are comfortable still having done provider outreach or staying in an incumbent area where outreach isn’t required.

- Jasmine: Why couldn’t FirstLight meet the deadline for required data filing?

Nick: I think it’s a change in the company’s strategy, trying to do more. Jeff echoed sentiment that they’ll be ready for the next application window.

Susan: The rules were put in place for a reason, and I don’t see the extenuating circumstance for FirstLight. Jeff echoed purpose of the rule.

No Other Business

No Public Comments

Approval of adjournment: Susan motioned, unopposed
January Meeting Minutes

26 January 2022

10:00 A.M.

Recording:  https://networkmaine.zoom.us/rec/share/TBaea4X_e9uYSxyvBGv70sLqhM8X8u5CEEPaqjQezD6Xa8_SsEXQGnpHK2Msw4CDIP2QkCSUeV118Q6yy50

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Meeting Kickoff
Rearranged agenda due to a lack of quorum—Nick

• Starting with the Executive Director’s Report
• Then review of financials
• Backing up to minutes

Notes of Last Meeting
Approval of the minutes: Liz motioned, Jasmine 2nd, 4:0

Review of Operations
Executive Director’s Report—Peggy

• Debrief workshop for potential applicants to infrastructure grants program
The workshop walked through the application process. Currently fixing bugs in the Grants Portal, and potential applicants should contact ConnectMaine staff if they haven’t received updated guidance. The presentation and recording are on the ConnectMaine website. Reminder that the upcoming deadline is February 11 for the required provider outreach.

• Updates on NTIA grant & federal funds
Still no update from NTIA. Other state broadband leaders are hearing the same as us, soon, same thing we’ve heard for the past three months.

• Community Broadband Planning Support
We had lots of conversations with partners about supporting the formation of Broadband Utility Districts. We’re working on a webpage of resources. We’ll know more by the February meeting if we need to do an Request for Proposals and for what amount of technical assistance for BUDs. That would include an update on budgeting.

• Collaborations with Maine Connectivity Authority
We’re regularly communicating with Andrew and meeting weekly. In addition to getting ready to deploy the first set of federal funds for infrastructure projects, we’re working on comments to NTIA about future programs to deploy more federal funds coming. Those comments are due February 4, so we’ll be sharing with libraries today to align comments.
Review of Financials—Stephenie & Nick

- Review first half of fiscal year
There isn’t any action required here, just keeping everyone aware.
The Admin sheet gives an overview of everything except infrastructure projects under bond funds or the NECEC Broadband Fund.
Looking at the Fund and State sheets provides the details about spending versus remaining revenue expected to come in. We’re expecting to see the impact of expanded assessments this half of the fiscal year. There is much more yet to spend under the NBRC Grant funded project, and if the NTIA Grant is awarded then some expenses will be covered there. Clarity is yet to come, in the State account for expenses on project management and remainder of the Sewall contract that ended in December; state systems report about six months back.
- Review details of separate tracking, e.g., Bond & NECEC Broadband Fund
NECEC Broadband Fund is accruing interest. While we obligated two grants totaling $1 million, those haven’t been approved by the NECEC parties to encumber funds yet. Infrastructure projects have been delayed mostly due to pole processes, and holidays as well as the new reporting forms slowed requests for grant disbursements last quarter.
Authorization of about $1.2 million was given last Friday, and we anticipate spending down the remaining funds later this quarter. Staff monitors this carefully to request additional bond funds from Treasury on a quarterly basis; we’ve also calculated how much will need to be in place to disburse awards after April’s decisions on current applications.
NBRC always has a negative balance as a reimbursable grant. We’ll pick up spending as we start to audit infrastructure projects currently underway.
Note that our financials are more complicated than other independent agencies, in part due to have a state account and an external account, and in part due to past contracts when ConnectMaine was a part of OIT or DECD.
- Timeline for budgeting
We should start discussing priorities for FY23 at the March or April meetings. There will likely be a lot of carryover activities and funds, e.g., Grants V&V under NBRC, infrastructure projects under bond funds, etc., resulting in unspent revenue this fiscal year. Hoping that this timing aligns with strategic planning with the MCA.

Review of Timelines—Stephenie & Peggy

- Targeting February meeting for triennial plan adoption
The draft plan was publicly posted on November 25. The public comment period officially started this week. Information about public engagement is posted on the website.
- Targeting mid-February for identifying milestones of strategic planning with MCA
Staff can then share the proposed timeline of strategic planning with MCA at the February meeting. This will be the better place for public engagement on strategic planning, rather than any comments on the triennial plan.
- Targeting February 10 for the presentation to the state legislature
The annual report is posted on the ConnectMaine website. We’ll jointly present with MCA.
Decisions on Operations

Adoption of MOU with MCA—Nick

- Debrief memorandum of understanding with Maine Connectivity Authority

While we have two agencies working in this space, it’s helpful to have the MOU. MCA is ready to sign this MOU, and they approved augmenting the infrastructure grants program with another $10 million for upcoming awards.

Approval of the memorandum of understanding with Maine Connectivity Authority toward achieving statewide broadband, for the chair to sign: Liz motioned, Susan 2nd, 4:0

Award Broadband Planning Grants—Peggy & Susan

- Debrief the review process

Budgeting $200,000 for planning grants this year. The Town of Waldo has been communicating regionally, and the review team thinks supporting this project will encourage regional collaboration there. Addition to the proposed projects, digital equity and inclusion will be required aspects of broadband planning.

- Discuss review team recommendations

Recommend awarding $59,000 to MSAD 72 and $25,000 to the Town of Waldo. ConnectMaine staff will follow up with all applicants with either contracts or assistance.

Approval of awarding Broadband Planning Grants as recommended by the review team: Susan motioned, Liz 2nd, 4:0

Board Discussion

- Nick: I recall that MSAD 72 applied last application window but wasn’t awarded; working with staff seemed to make a for a much stronger application?

Peggy & Susan: confirming nods.

No Other Business

No Public Comments

Approval of adjournment: Susan motioned, unopposed
Executive Director’s Report

23 February 2022

Peggy Schaffer, Executive Director

Active grant awards
All fifteen infrastructure projects are underway, and staff will continue to help grant recipients complete progress reports that are trickling in for this quarter. Contracts for the Franklin County and Somerset County projects under the NECEC Broadband Fund have also been issued.

Four of the six planning projects were completed on time, with two seeking extensions, an agenda item today. Piscataquis County closed their grant, and another four should be completed by June. That would leave six active projects going into the summer. Staff is in close contact with many of the communities about progress, questions on technology, strategy and more.

Local and regional planning support
This is really ongoing work with communities all across the state on a daily basis. We met with several groups about infrastructure grants to answer questions. It appears we could have close to 30 applications for infrastructure grants covering about 55 communities, ranging from Androscoggin to Franklin Counties, along the coast from Cumberland to Washington Counties, and through the northern half of the state from Penobscot to Aroostook Counties. So far seven different ISPs are registered to apply for grants.

Staff published a factsheet on Broadband Utility Districts and webpage of resources. There’s an agenda item to share more about this, including a proposed RFP for services. We have talked with several communities who have been looking at the BUD structure, and they are very excited to have a resource available to them. Staff also talked with the Community of Practice about the proposed BUD support and answered questions on what that might look like and how it might assist communities that are in the thick of this decision currently.

The Community of Practice supported by ConnectMaine and being run by the Maine Broadband Coalition has held its first three meetings. We sat in on one of their meetings to talk about the Maine Connectivity Authority and ConnectMaine, how we are working jointly and the importance of the Community of Practice in that work. We think constructive and useful information exchange occurred during the last meeting!
Staff and program management
On the 17th, both ConnectMaine and MCA presented to the Energy, Utilities & Technology legislative committee. Any recording of the presentation will be added to the ConnectMaine website where the annual report is posted. We presented our Policy & Procedures as required by statute. There were no questions on that, but many, many other questions. Lots of which were focused on the 1% of locations that are at the end of a dirt road and off the grid, instead of the 15% in unserved areas targeted in the next 24 months.

Staff continues to meet weekly and supports the drafting of the program plans required under the Capital Projects Fund. We are working closely with MCA to get these plans in, and to be aggressive in our last-mile strategy work now funded. There are lots of good ideas out there, great partners, and we are engaging the communities and others.

Federal funds
We met with the Treasury team on the MCA CPF program plans, and MCA is working diligently to get something specific to its board for its March 4th meeting, so the program plan can be approved for the next infrastructure grants application window, hopefully as soon as early July or so.

We received a fairly large data request from NTIA/NIST about two weeks ago, for extensive details and cost justifications on our grant application. Our ISP partners dug right in and worked through the weekend to meet the request, and that effort moved us into what we think is the next level of review. (How many review levels are there?) Rumor is decisions the week of 2/22/22, but pretty sure that hasn’t happened. Communities and ISPs involved were encouraged to simultaneously apply for state grants in the case this grant isn’t awarded.
ConnectMaine Authority

Broadband Service Triennial Strategic Plan
2022-2024

January 2022
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Executive Summary
Since 2005, Maine has recognized the importance of adequate internet service to everyday life and commerce, in both urban and rural areas of the state. The Maine Legislature established the ConnectMaine Authority to achieve the goal of broadband service being universally available. While the vision and goal of universal broadband in the state hasn’t changed overtime, the activities to achieve that have evolved. The Maine Connectivity Authority was also established with the same broadband goals.

The triennial strategic plan for broadband service details how ConnectMaine will carry out its activities. This plan is prepared in alignment with Maine Economic Development Strategy, the State of Maine Broadband Action Plan, the Governor’s Economic Recovery Committee and the Maine Climate Action Plan. The activities detailed in this plan were identified in anticipation of future collaboration and transition with the Maine Connectivity Authority.

A primary asset of ConnectMaine are the grant programs that support broadband investment. These grants help generate a pipeline of infrastructure projects, encourage universal broadband projects and support communications service providers to fill smaller gaps in broadband service. ConnectMaine instituted mechanisms to achieve those goals through a refined application evaluation process. Grants Verification & Validation further addresses accountability, from ensuring consistency in the data submitted with applications, considering cost-benefit and other program objectives, to post-project auditing. The Broadband Intelligence Platform integrates mapping activities, grantmaking and reporting. Comprehensive programming will situate Maine to maximize future financial commitment from public and private sources.

Beyond assets, ConnectMaine possesses regionally and nationally recognized leadership in bringing together people and resources, building on the strengths of each partner, and supporting local and regional work to expand broadband statewide. ConnectMaine uses an extensive stakeholder engagement process for activities like refining the grant programs, uses interagency collaboration for activities like deploying federal coronavirus relief funds, and leverages national and private-sector partnerships for attracting additional federal funds.

The ConnectMaine Authority has already started collaborating with the Maine Connectivity Authority, both of which have adopted guiding principles for future joint work in achieving statewide broadband. Building on these principles, ConnectMaine identified four strategies under which activities have been organized in this triennial strategic plan. These proposed activities are subject to change with changing political, financial, market and social environments, to limit unnecessary disruptions. This triennial strategic plan ends with a conclusion that contains several additional thoughts for activities or concepts that may arise from the changes and transitions ahead.

Building on the strengths of ConnectMaine, and leveraging new opportunities such as the Maine Connectivity Authority and federal funds, this plan seeks to realize the state vision for universal broadband service and the resulting economic and social benefits to all residents, businesses and institutions in Maine.
Background

The common definition broadband is a high-capacity transmission technique using a wide bandwidth, enabling large simultaneous communications; it’s internet access that’s always on. The infrastructure that makes broadband service available to consumers, the cost of that infrastructure and service, and the ability to access, afford and use broadband service are all intertwined. While infrastructure is costly, the benefits are four-fold.

Broadband performance is measured by:
- Bandwidth—the ability to download and upload data, measured in megabits per second
- Consistency—the ability to maintain subscribed speeds, including times of peak usage and high-saturation
- Reliability—the ability to connect and stay connected anytime, including times of high-saturation, system breakdowns and storms
- Affordability—the ability to provide service at a price that consumers can pay

The Maine Legislature established the ConnectMaine Authority to achieve these statutory goals:
- Broadband service being universally available to all residential and business locations and community anchor institutions in Maine;
- Broadband infrastructure being secure, reliable, competitive and sustainable, and meeting future broadband needs; and
- All Maine residents, businesses and institutions being able to take full advantage of the economic opportunities available through broadband service.

As a private-sector service, broadband is available where the customer base is large enough for financial solvency of internet service providers. This kind of private-sector-driven expansion of broadband isn’t economically viable in sparsely populated or remote areas of the state. Without public investments, areas of the state that don’t have broadband service won’t attract private investment. These areas are too small or remote to prioritize deployment of limited private resources there, and/or these areas are too sparsely populated for private companies to realize adequate returns on their investments. The low density of potential customers can also affect the sustainability of ongoing operations.

Toward the goal of leveraging and maximizing federal, state and private investments, the ConnectMaine Authority has a statutory duty to collect and disseminate information regarding the need for broadband in the state. The state endeavors for all residents, businesses and institutions to take full advantage of the economic opportunities available through broadband service. The ability to access information, create and share content, work from anywhere in our state, access learning and improve health outcomes all hinge on broadband availability. Broadband in rural communities enables talent attraction, innovation, skills upgrading and access to a global economy, in addition to access to social opportunities.

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1 The ConnectMaine Authority statute, 35-A M.R.S.A. Ch. 93, is hereafter referred to as the statute.
Studies conducted at the national level indicate a positive, causal relationship between broadband infrastructure and gross domestic product growth among 22 Organization for Economic Cooperation and Development countries. A 10% increase in broadband penetration adds a quarter of a percent to GDP growth on average.\(^2\) A Purdue study\(^3\) summarized other work that focused on the local economy, which also found a positive relationship between broadband availability and economic growth. In rural areas specifically, broadband access and adoption have a positive relationship with economic growth, business attraction and growth, and higher household incomes.\(^4\)

A study of broadband development in rural Kentucky found that every one percent increase in broadband adoption, employment increased by 0.14%.\(^5\) Using numbers from an earlier study by Ohio State University Swank Program,\(^6\) a generalization by Roberto Gallardo at Purdue Extension determined that a rural home without broadband misses out on $1,850 in economic benefits per year.\(^7\) The State of Maine Broadband Action Plan states a high economic payback on investing in broadband, a 4:1 return on investment.

The cost of that last-mile infrastructure is exacerbated where connective infrastructure also has to be built or leased, in addition to backhaul costs of connecting end users with the internet. Due to statutory limitations on the ConnectMaine Authority, funds have been deployed to only last-mile projects. This strategy has been essential for connecting tens of thousands of Mainers to the internet, but it hasn’t been sufficient for ensuring universal broadband service statewide.

The ConnectMaine Authority is funded primarily through two assessment fees on communications services. The first assessment is one quarter of one percent (0.0025%) of Communications Service Provider State revenues, and the second is ten cents per phone number. These revenue sources decline year-over-year as subscribers discontinue landline-based services and migrate to wireless services that have not been assessed these fees. The 2021 rulemaking expanded the second fee from only landline telephone numbers to all phone numbers.

Of all infrastructure projects awarded grants by ConnectMaine over its history, those contributing to the current state’s broadband goals total nearly $28 million; of which, ConnectMaine has awarded over $10 million in grants. This has been about 36% of the cost to expand the availability of broadband service to over 15,000 potential subscriber locations in Maine; over 10,000 of which were in previously unserved areas of the state.


\(^4\) “Other studies have concluded that no significant impact of having faster broadband deployment on household incomes, employment rates (Kolko, 2012), or changes in unemployment rates (Jayakar & Park, 2013).” Footnote 3.


\(^6\) https://aede.osu.edu/sites/aede/files/publication_files/Connecting%20the%20Dots%20of%20Ohio%20Broadband%20.pdf

\(^7\) https://www.dailyyonder.com/broadband-economic-benefits-invest-broadband-infrastructure-adoption/2017/08/07/20695/
To support the development of broadband plans and the local investment needed, ConnectMaine has awarded over $850,000 in community broadband planning grants. These funds have supported community surveying and organizing, broadband plans, feasibility studies and business modeling for over 250 of Maine’s municipalities and townships.

In July 2020, Maine voters overwhelmingly passed the first broadband bond of $15 million. A stakeholder engagement process launched shortly thereafter, in which the ConnectMaine broadband infrastructure grants program was examined to better align it with the state’s goals for expanding broadband availability, and to maximize the impact of the infrastructure grants.

Since March 2020, the current coronavirus pandemic has added urgency to the long-standing need for universal broadband and has magnified its importance to attracting and retaining talent in Maine. While the need for broadband service is clearer than ever, relying on public funds for expanding broadband is riskier than prior to the pandemic. As economic activity temporarily ceased and has slowed, state and local governments struggle to meet revenue projections. Financial commitments to meet public health and educational needs also loom high. With increased public pressure to improve connectivity and with extremely low interest rates for state bonds, the Governor’s Economic Recovery Committee recommended significant broadband investments.

In response to this pandemic, the Governor’s Office launched an initiative called Connect Kids Now! under which programs were developed, including a deployment of mobile hotspot devices to households of students having to move to remote education. ConnectMaine administered federal funds through a grant program developed in cooperation with the Department of Education to fund broadband infrastructure projects deployed by internet service providers. Federal and other sources of funds for digital inclusion programs have been limited.

The Maine Legislature also recently established the Maine Connectivity Authority to achieve the same statutory goals as ConnectMaine, with additional authority or options around investing in middle-mile or backbone infrastructure. In response to the pandemic, hundreds of millions of federal funds are expected to flow to the state of Maine for the purpose of improving internet connectivity. The Governor’s Office has prioritized these funds for the new Maine Connectivity Authority to administer. Future plans for both authorities should be jointly and clearly communicated to the private sector, state partners and local communities.

8 The Maine Connectivity Authority statute, 35-A M.R.S.A. Ch. 94.
Vision
The State of Maine Broadband Action Plan was created prior to the coronavirus pandemic. In response to the pandemic, the Governor formed an Economic Recovery Committee (ERC), which set the goal of Maine becoming a leader in broadband infrastructure, access and digital equity. The ConnectMaine Authority sets the vision of closing the digital divide in Maine by 2025.

Connectivity
Based on its statutory goals, ConnectMaine envisions a state where all residences, businesses and community institutions have broadband service available that is reliable and competitive, with future-looking infrastructure that is secure and sustainable, and where all residents, businesses and institutions are able to take full advantage of broadband service for economic and social opportunities. The ERC affirmed the vision of every Mainer having a high-quality internet connection to support economic development, remote work, distance education, telehealth and meaningful community connections.

Availability
The State of Maine Broadband Action Plan set the 2025 goal of 95% of all potential subscriber locations in Maine having access to expanded availability of broadband with sufficient capacity needed for full participation in our society, to enable civic and cultural participation, employment, lifelong learning, and access to essential services. A step toward this goal was identified in the last triennial strategic plan: For 93% of locations, 25/3mbps internet service is available by 2021. Based on FCC data, which overstates the availability of actual internet service, it’s estimated that 95% of the state has access to this level of internet service.

The effect of the pandemic on Maine businesses and households illuminated the insufficiency of internet service with speeds of 25/3mbps or less, for the ability to support all users of common network applications simultaneously. To meet the broadband vision of the state, the ConnectMaine Authority designated broadband service as 100/100mbps in early 2021. While unserved areas were designated based on availability of 50/10mbps, eligibility for grants also applied in underserved areas. Unserved and underserved areas cover nearly 90% of the state.

Adoption
Economic and social benefits of expanding broadband availability can only be realized with the use of broadband infrastructure. Experiences in connecting to the internet affects future demand for internet service. Internet users increasingly expect universal connectivity and seamless transitions between devices and locations. To assess the usage of broadband, or adoption of internet service, ConnectMaine works with internet service providers and grant applicants to collect fine-scale data.

Based on FCC data, about 55% of Mainers subscribe to internet service of at least 25/3mbps, but the percentage of Mainers that can access this level of internet service is overstated; subscription is about 65% nationwide. Where take rates are lower, there is less financial incentive for private companies to invest in the expansion of broadband service.
Broadband adoption is affected by aspects of digital equity and digital inclusion: affordability, digital education, accessibility, etc. Regardless of geographic location, or socioeconomic or citizenship status, all individuals and communities should be able to access information, create and share content, improve health outcomes, access learning and work from anywhere in Maine. The State of Maine Broadband Action Plan seeks to address some of these aspects through the ConnectMaine broadband infrastructure grants program.

**Cost**
Realizing this vision of connectivity was estimated to cost $600 million, as documented in the State of Maine Broadband Action Plan. While thousands of more Mainers were connected since then, the cost remains high due to supply and labor challenges that have arisen with the pandemic. While this cost compared poorly to the limited state funds for broadband prior to the pandemic, the amount of funds being dedicated from local to federal levels are now comparable to the cost.

There are great indirect costs from failing to invest in broadband expansion. An entire strategy in the Maine Climate Action Plan relates to engaging with Maine people and communities, and many other strategies rely on analyzing data and sharing information. These activities are more costly, if not nearly impossible, to carry out with broadband.

**Commitment**
The Maine Economic Development Strategy identified ubiquitous broadband connectivity as a lynchpin strategy. All three of the underlying actions relate to funding solutions for the expansion of broadband service. Recognizing that private investment alone won’t realize this connectivity vision, public funds are committed to help address gaps in the cost of expanding broadband statewide.

For investing in infrastructure that expands broadband service, the State of Maine Broadband Action Plan recommended a two-track application process to encourage community-driven, universal broadband projects, and to support internet service providers seeking to fill smaller gaps in broadband service. After refining the infrastructure grants program, and in developing the Grants Verification & Validation process, ConnectMaine instituted mechanisms to achieve those goals through the application evaluation process rather than a two-track application.
Goals
The ConnectMaine Authority is directed to prepare a detailed, triennial strategic plan for broadband service to carry out its statutory duties, goals and policies. While the vision of universal broadband in the state hasn’t changed overtime, the goals and actions to realize that vision evolve overtime as circumstances change.

With the recently established Maine Connectivity Authority, ConnectMaine adopted guiding principles for future joint work in achieving statewide broadband:
- Sustain the community of broadband advocates that support local broadband investment and engagement
- Protect and sustain the revenue streams of ConnectMaine, which support ongoing work of expanding broadband availability
- Avoid disrupting the marketplace and ongoing grants programs, and ensure clear, joint communications to the industry, state partners, existing staff and Maine communities about future plans
- Ensure consistency in process and messages, and minimize the potential for confusion, ambiguity and additional overhead related to the existence of two state broadband entities
- Be ambitious, bold and innovative, and build from our shared work and knowledge, and avoid encumbering the Maine Connectivity Authority with statutory limitations or rulemaking obligations on the ConnectMaine Authority

Additionally, ConnectMaine will also be guided by the following principles to deliver on statutorily required reports and for future efforts to expand the availability of broadband service:
- Keep digital equity central to all efforts, which includes affordability of broadband service
- Continue to build a common understanding among stakeholders of role of broadband in economic development, education, telehealth, civic engagement and equality
- Further influence the deployment of federal funds in ways that work for Maine

Grants
One of the statutory duties of the ConnectMaine Authority is developing grant programs that support broadband investment. To expand the availability of broadband service to residential and small business customers in unserved or underserved areas, funds are identified, developed and provided for broadband investments in unserved and underserved communities. Such investments may include infrastructure that is used by a single provider or by multiple providers. This last-mile strategy is set in the context of: “There are lots of federal funds arriving soon in Maine. Top priority is getting people connected.”

By the end of 2021, over 250 communities in Maine had benefited from planning grants for conducting the community-driven broadband planning process. Looking to meet the current and future broadband needs of the community, and ensure equitable access, most plans call for broadband service that is universally available. These substantial projects seek to expand infrastructure that brings affordable and reliable connectivity. Many of these communities are actively seeking enough funds to implement projects. To demonstrate capability of building and operating the broadband network, these projects involve public-private partnerships between communities and communications service providers.
To-date most projects funded with state grants have been proposed by communications service providers to address coverage gaps within or between communities such as providing line extensions or filling dark pockets. Given that these types of coverage gaps aren’t experienced by whole communities, less community engagement occurs. To avoid unnecessary over-building, eligibility involves documenting that no other plans exist to expand service that meets the build-to standard for broadband service. By leveraging and expanding the existing broadband networks, these projects help achieve the state’s broadband vision.

**Funds**

The State of Maine Broadband Action Plan stated a goal of investing $200 million of public funds toward to the $600 million broadband vision in the Plan, which is less than half of what the Maine Department of Transportation spends on the State highway and bridge system annually. This low-end contribution would allow the state to fund an average of 25% of broadband projects. On the high-end, with fewer local or federal contributions, up to 75% of projects would have to be funded by the state, at a cost of $450 million. In the end, the required state contribution is likely to be somewhere in between $200 million and $450 million.

This mix of funds from the provider, and state, federal and local governments is one of the key reasons that community engagement is a central strategy for achieving state broadband goals. The community engagement strategy ties together planning, building and inclusion. This work should continue, and the support structure should be enhanced.

In this way, the ConnectMaine Authority aims to fulfill the statutory goals of maximizing federal, state and private investments. The ConnectMaine Authority is funded primarily through two assessment fees on communications services. This ConnectME Fund should be protected and sustained to support ongoing expansion of broadband infrastructure. Beyond infrastructure, digital inclusion work requires dedicated, sustained source of funds.

**Areas**

In order to focus federal, state and private resources, statutory policies reference areas as unserved or underserved with regard to broadband service. Designation of broadband service is subject to a thirty-day comment period. At its April meeting and then confirmed at its June meeting, the ConnectMaine Authority approved the designation of broadband service as at least 100/100mbps, and the use of 50/10mbps for the designation of unserved areas. Following 2021 rulemaking, underserved areas were designated based on these two levels of service.

Following an extensive stakeholder engagement process to refine the infrastructure grants program, ConnectMaine established requirements for funded projects in alignment with the State of Maine Broadband Action Plan. While funded projects must meet performance criteria for broadband service, ConnectMaine also set review criteria to give preference based on gigabit symmetrical service offerings. This helps ensure state broadband goals, including that funded infrastructure be forward-looking to provide benefits that outlive the investment.
Previously in the State of Maine Broadband Action Plan, broadband service was determined as 25/3mbps, and unserved areas were those where this level of broadband service is unavailable; areas where less than 20% of the households had access to broadband service were underserved. Based on the understated estimations made for the State of Maine Broadband Action Plan, more than 83,000 addresses in the state are unserved. The last triennial strategic plan estimated that 50% of Maine road miles were likely unserved.

ConnectMaine is utilizing better analytic tools, ones that consolidate GIS data and information collected from Mainers and the industry rather than using proxies. Visualizing these datasets and the extent of broadband service in Maine at the potential subscriber level will contribute to understanding and tracking the overall investments needed to expand broadband availability statewide.

The new Broadband Intelligence Platform can be described as mapping on steroids. In addition to the grants portal for applicants, this platform allows modeling middle-mile projects, estimating costs of both middle-mile and last-mile projects, and evaluating the business case for infrastructure projects. Census and demographic information, over 250 data layers from the National Broadband Availability Map, can viewed. Data can be analyzed to identify areas of need, propose grant-eligible areas and evaluate selected project areas. The Broadband Intelligence Platform can also be used to demonstrate progress on state broadband goals.
Activities
In addition to goals, the ConnectMaine statute requires that this triennial strategic plan to include activities, measures of performance and timelines to achieve those goals. Other required components include budget allocations, a definition of broadband and other relevant information.

To achieve the goal of universal broadband in the state, the ERC made two overarching recommendations, which also align with the State of Maine Broadband Action Plan:

1. Convene public, private and philanthropic stakeholders to completely map, prioritize and create program design in anticipation of new funding; and
2. Advance digital equity and inclusion by increasing access to broadband, computers, mobile devices, and expanded digital literacy training for historically underserved individuals and communities.

As part of transitioning ConnectMaine assets and programs in collaboration with the Maine Connectivity Authority, the following strategies have been identified:

- Last-Mile Strategy that continues ongoing work of expanding broadband availability
- Strategizing Tools that build on shared knowledge to be ambitious, bold, and innovative
- Community Engagement Strategy that builds local broadband investment and engagement
- Staffing Strategy that avoids unnecessary disruptions and duplicative overhead

Last-Mile
Under the lynchpin strategy of statewide broadband, the Maine Economic Development Strategy identifies the action of providing consistent, predictable and robust funding levels for broadband infrastructure grants. Supporting broadband investment, facilitating state support in deploying broadband infrastructure and administering funds are statutory duties of the ConnectMaine Authority. Comprehensive programming will situate Maine to maximize future funds from public and private sources, and leverage bonds at today’s historic low cost. ConnectMaine identified two, short-term options for the Last-Mile Strategy.

Investments
The State of Maine Broadband Action Plan recommended an investment by the State of Maine of $30 million in fiscal year 2020-2021 and $42.5 million in each of the following four years. In that first fiscal year, only $15 million was committed in a state bond. This was the first state bond for broadband investment, and it received overwhelming support from voters. Additional investments are necessary to reach the goals of this plan. Fully funding of this first year would start the work in high-impact communities and would demonstrate to the other public and private partners that Maine is committed to supporting and growing our rural economy to encourage partner investment.

Despite the pandemic, or with a heightened sense of urgency due to the pandemic, the ERC recommended making the investments outlined in the State of Maine Broadband Action Plan; immediately the state should bond $100 million, which would match other federal sources, and make biennial investments until the plan is completed. This upfront commitment from the state could help support aggressive pursuit of federal funds and other opportunities, and funds can be disbursed on an annual basis for the next five years.

These additional components can be found in the Appendices of this Plan.
Currently, about $6.5 million remains of that first $15 million bond. A short-term option for the Last-Mile Strategy would be increasing the amount of funds available for infrastructure grants, which will likely be oversubscribed by threefold. This increased investment should occur before the next application window is opened:

1. Ensuring access to funds before the application window is opened would allow potential applicants to have a better idea of the size and potential competitiveness upfront. More information should be known about federal funds before the application window is opened as well, allowing the state broadband entities to invest and applicants to stack funds wisely.

2. Allowing the federal Capital Projects Fund (CPF) to be part of the equation could be achieved by grouping proposed projects that would be community-owned separately. Many potential applicants decide whether or not to apply based on the amount of funds available.

Another option for increasing the amount of funds available for infrastructure grants would be to implement a grants program of the Maine Connectivity Authority, which could either mirror ConnectMaine programs or involve more significant changes:

- Such a grants program could be announced as early as March, if the Maine Connectivity Authority adopts something close to the ConnectMaine Broadband Infrastructure Grants Program. Implementing such a program, and opening an application window in March, would result in awards near or within summer; these infrastructure projects take a year and half to get built and get people connected.

- Significant changes in the grantmaking process will require more organization and preparations, delaying the application window, the awards and the builds. This delay would be unfortunate, because people would continue to lack broadband service through 2023, despite the promise of more federal funds coming to connect people. With increasing demand across the country as a result of the impending federal funds, challenges in the supply chain and workforce shortages would be further exacerbated by delaying deployment of federal funds in Maine.

Following extensive stakeholder engagement, in its refinement of the infrastructure grants program, ConnectMaine set minimum amounts of financial commitments from applicants. Previously, these minimums were a percentage of total project cost, identified in the State of Maine Broadband Action Plan, which also encourages local governments to secure remaining commitments needed to match state funds from other sources, including private donations, foundations, taxes, bonds or other investments. ConnectMaine shifted to a minimum dollar amount per potential subscriber location in a proposed project area, rather than the percentage of total project cost. Providing smaller grants to less expensive projects reserves funds for more expensive projects, such as those with increased costs due to expanding broadband into lower density areas for example.
Accountability
Building on efficacious investments, the accountability activities aim to ensure that infrastructure projects effectively contribute to broadband goals, diminishing the need for grantmaking overtime. The Grants Verification & Validation process, which involves significant contracts for expert support, is improving accountability on expanding broadband service statewide. The system includes a grants portal that improves applicant experience, review time and monitors the grants awarded, and it could be further developed as a client relations management system.

Currently, Grants Verification & Validation addresses accountability in the grants program, from ensuring consistency in the data submitted with applications, considering cost-benefit and other program objectives in the application evaluation process, to post-project auditing. A grants portal has been developed to facilitate the application process. ConnectMaine and the Maine Connectivity Authority identifies a near-term option and long-term option:

1. For efficiency and continuity, access and use of the grants portal should be expanded to the Maine Connectivity Authority staff. This portal is based on Salesforce, and ConnectMaine has benefited from the Department of Economic and Community Development funding and overseeing the development of Salesforce for its offices. Initially, the link to the grants portal can be added to the Maine Connectivity Authority website.

2. Long-term, the two state broadband entities will need to decide how to migrate this platform or develop another system, independent from the Department of Economic and Community Development. This would also involve separately contracting for its maintenance with the Maine Office of Information Technology or externally.

Tools
Strategizing Tools help the state broadband entities build and share knowledge, set and measure ambitious goals, and identify and evaluate innovative solutions. The statute directs the ConnectMaine Authority to collect data on retail broadband service offerings and report on the competitiveness of the market. The state anticipates such data will help ensure accountability on grants awarded for infrastructure projects and illustrate areas of digital inequity. To efficiently collect such datasets and effectively make use of them, ConnectMaine needs integrated data analysis tools.

The Broadband Intelligence Platform integrates mapping activities, grantmaking and reporting. The use of these strategizing tools addresses several goals identified in the State Broadband Action Plan, including accountability for completing projects on-time and within budget, reporting speeds provided, compare level and quality of service to federal standards, track adoption or subscription rates, and improve the accuracy of mapping data.

In addressing the government’s own business needs, there are opportunities to be anchors (local, county and state levels) that also serve as catalysts for better connectivity throughout communities. This is also true of implementing a smart grid. Working with the Maine Public Utilities Commission and Investor-Owned Utilities as they (rapidly) move in this direction is a rare and current opportunity. Maine should be prepared to be pro-active in these conversations.
The federal Capital Projects Fund (CPF) allows for middle-mile projects that support last-mile projects. If the Maine Connectivity Authority plans to invest in the middle-mile projects based on its statutory authority, then the CPF Project Plan will need to integrate seamlessly with last-mile projects getting built. The Broadband Intelligence Platform would be critical for this effort and so will integrating the current understanding of the state’s middle-mile infrastructure with the efforts of communities and others to expand last-mile infrastructure.

**Data**

ConnectMaine collects data and conducts mapping activities, which support its programs and help measure progress toward its goals. Another statutory duty of the ConnectMaine Authority is defining unserved and underserved areas with respect to broadband service, and consideration of the percentage of households with access to broadband service within a municipality or other appropriate geographic area is also required. Relying upon the data that service providers submit in the FCC Form 477 dramatically overstates the geographic availability of broadband service. As further described in the State of Maine Broadband Action Plan, this has been one of the key barriers to improving connectivity.

ConnectMaine works to obtain more relevant data at finer scales to achieve the state’s broadband vision. Following the 2020 rulemaking that expanded the required data filing of communications service providers, ConnectMaine solicited industry data on the extent of broadband service in Maine. According to the ConnectMaine rule, those that fail to provide data requested are ineligible for state funds.

To improve understanding of broadband service in Maine and target its investments, ConnectMaine also supported a speed testing initiative launched in late 2020 by the Maine Broadband Coalition. A speed test measures real-time speeds of an internet connection between a device, such as a computer, and a server, through which data flows. These tests are being considered in the development and use of the Broadband Intelligence Platform.

**Mapping**

ConnectMaine also maps the extent of funded projects that contribute to the state’s goals. In addition to measuring progress, this helps with efficacious deployment of future funds. Between the application and accountability requirements, it’s possible to map at a fine scale the expansion of broadband infrastructure as well as the service provided. To accurately and efficiently visualize the data reported, rather than trying to manually map data using up to five different platforms, the Broadband Intelligence Platform integrates all this data into one mapping platform.
Under the CPF, mapping is a program, not administrative, expense. Using these federal funds means that continuing to use the Broadband Intelligence Platform would need to be included in future grant applications rather than simply accounted as administrative expenses. There are two ways to continue supporting Strategizing Tools:

- **Dedicate funds to continue mapping activities.** Requested funds under the CPF would include continuation of the mapping tool as a programmatic expense. The work and benefits of the Broadband Intelligence Platform should continue, with purchase of middle-mile and business-case modeling components. Training and support for these tools at the local level would be central to communities using data to determine the business case, the cost and the demand aggregation. This specific support would be needed if municipal projects will be prioritized under the CPF.

- **Dedicate staff capacity to mapping activities.** The Maine Connectivity Authority should consider investing in GIS expertise, as the demand of the Broadband Intelligence Platform continues to grow and be enriched with more mapping data and uses. This would require ¼ FTE at a minimum to manage data and conduct mapping activities. Staff should also support community engagement, which would be an allowable administrative expense under the CPF. A Program Manager to delve into the strategy tools, as well as work with communities on both the VETRO Cares and GEO Partners mapping platforms could be essential.

**Unserved**

In order to focus federal, state and private resources, statutory policies reference areas as unserved or underserved with regard to broadband service. The work of designating areas, and the required data filing that’s associated, isn’t insignificant. While the FCC data collection effort may or may not be successful, it’s over a year away from implementation to reduce this workload. Complicating the work is the fact that federal funds from the infrastructure package will be contingent on these new maps. Improved data collection, analysis and mapping are all central to effective decision-making on projects to expand broadband service.

The last triennial strategic plan set a goal to redefine the unserved to recognize the value of longer-term investment, but prior to the pandemic this was thought to be a service level of at least 100/10mbps. The 2021 rulemaking emphasized the functionality of broadband as the basis for designation of broadband service and unserved areas. ConnectMaine is continuing to develop the Broadband Intelligence Platform to ensure effective decision-making, and ability to counter challenges on unserved areas, for future federal funds. While ConnectMaine designated broadband service at 100/100mbps, the service level of 50/10mbps was used to designate unserved areas.

**Engagement**

The community broadband planning support program creates a pipeline of potential projects, gets communities ready for broadband expansion and leverages multiple sources of funds. The Maine Economic Development Strategy includes the action of continuing to provide community broadband planning grants specifically to help increase take rates that make infrastructure projects more feasible. Startup grants are awarded to help communities begin the process of figuring out how to bring broadband to their area. Community broadband planning grants are awarded to develop plans for expanding the availability of broadband service, and to produce strategies for digital equity and inclusion.
Support

The program also includes technical assistance through Connectivity Boosters and analytical tools from consultant partners, and the evolution of more digital inclusion work. Maine’s Climate Action Plan recognized the underrepresentation of those without broadband and the added effort associated with ensuring future participation of these Mainers. In addition to local and historically disconnected representation, this program aims to address multiple layers of support that are needed to advance a community process and regional collaborations that become central to meeting state broadband goals. Without dedicated capacity to fuel local processes and technical assistance to inform decision-making that drives implementation, broadband planning stalls or fails.

Given the unprecedented opportunity to maximize federal, state and local funds, now is the time to invest in the people and processes that ensure deployment of universal broadband and enable the maximum return on broadband investments. Connectivity Boosters are trained volunteers with the dedicated and explicit role of providing flexible support to local and regional planning efforts. This technical assistance supports community organizing, helps assemble financing and establishes public-private partnerships. The Connectivity Boosters and other broadband leaders are part of a community of practice, which involves shared learning, resource sharing and technical assistance for these volunteers. The community of practice is also a centralized place for expanding educational and training offerings, and for accessing community broadband mapping and other analytical tools.

One of the most effective ways of making make infrastructure projects more feasible is to extend or eliminate the need for the monetary return on investment to expand broadband infrastructure. Maine law allows local and regional governments to form Broadband Utility Districts (BUDs) that could own broadband infrastructure. These BUDs don’t need to profit from the infrastructure, reducing the capital cost of projects. This can help ensure that broadband service is universal in the community and that subscriptions are affordable. Specific technical assistance to be developed would include translating broadband feasibility studies into business plans, legal structuring and partnership agreements, and ensuring adequate funds for infrastructure projects are available.

In addition to this community broadband planning support program, there’s an additional way to support the Community Engagement Strategy. One of strengths of ConnectMaine has been trying new things, changing old things, learning along the way and adapting. ConnectMaine has been, and the state should continue to be, a partner in these efforts to innovate and fund the expansion of broadband. Committing the first dollars on new ideas, to get communities productively engaged is critical. Budgets should reflect the ability to add new approaches or to change course quickly, in partnership with communities and community organizations that are central to state broadband goals.

Inclusion

Digital inclusion and equity should remain central to all efforts. Beyond infrastructure, realizing the economic benefits of broadband requires overcoming other challenges of the digital divide. Broadband performance includes affordability of service and equipment necessary to access the internet. Many Mainers face other access and digital education needs in order to take full advantage of the economic and social opportunities made available from broadband service.
With regard to the transportation strategies of Maine’s Climate Action Plan, reducing the need for driving requires expanding broadband to bring online services and opportunities to more people. Universal broadband also makes it possible to ensure information, such as energy efficiency programs, is available to all Mainers, as described in the Equity Assessment. The equity benefits of expanding broadband availability statewide are recognized throughout the Climate Action Plan.

Having access to broadband isn’t the only barrier to internet use; the cost of service can also be a hindrance to many Maine residents and businesses. As part of its grants program, the ConnectMaine Authority considers the retail cost of service to the potential subscriber, including whether or not any data usage limits unreasonably hinder current internet uses. Service provided from funded projects must be equal to or less than the price per subscriber offered elsewhere in the state.

The digital equity and inclusion plans developed under the community broadband planning support program can contain community commitments and strategies to increase the subscription rate and maximize the use of the proposed broadband infrastructure. These may include addressing affordability and access to service, computers, mobile devices and expanded digital literacy training for historically underserved individuals and communities.

Extending broadband work into digital inclusion is a logical next step as more communities get connected. The need to address digital inequalities in more urban areas of Maine is looming. Both eligibility criteria and sources of funds would need to be strategized in order to address urban digital inclusion, e.g., changing the designation of underserved areas but also dedicating portions of federal funds to those areas. Digital inclusion activities should align with the Maine Economic Development Strategy around workforce readiness, education and telehealth. Data collection on affordability of prices and devices requires capacity not yet dedicated.

**Staffing**

Achieving the goals and implementing the strategies identified will require maintaining and increasing staff capacity. The Staffing Strategy is two-fold:

1. Maintain essential, existing staff
2. Address long-standing capacity challenges by increasing staff headcount

The last triennial strategic plan, the State of Maine Broadband Action Plan, as well as the ERC, identified two ConnectMaine staff positions as insufficient to achieve the state’s plans or goals. Bond funds being limited to only capital expenses means that administrative and compliance activities of ConnectMaine must be otherwise funded. With the additional activities made possible by the Maine Connectivity Authority statute, additional staff could be necessary. There is plenty of work to support the transitional activities currently underway and the upcoming activities of the Maine Connectivity Authority.
Capacity
Additional staff capacity has been an identified need in report after report; now with increasing responsibilities, a plan is needed for addressing this shortfall. To ensure efficiency, continuity and avoid costly disruptions, ConnectMaine staff should remain as state employees for as long as they wish. The staff needed moving forward is very likely five to six headcount among the two state broadband entities:

- Grants management and financial management could be made into two separate staff positions. The Maine Connectivity Authority will need a finance manager to track and report on federal funds that it will be administering.
- Taking full advantage of the Strategizing Tools would require a staff position dedicated to GIS mapping and data management, including how these contribute to reporting requirements, infrastructure grants and deployment, and the community broadband planning support program.
- There is also significant advocacy work around federal funds and programs. Tracking the mapping efforts at the FCC and how that will impact work in Maine takes time and communication, especially in light of federal funds being tied to FCC mapping. Many communities have attracted federal funds, but projects remain gridlocked years later; this staff position could work closer with communities and federal agencies, like USDA, to anticipate federal rules and address challenges faced by communities awarded grants.
- In addition, working with communities on better planning activities, financing plans and the extensive digital inclusion outreach, as called for in the Maine Connectivity Authority legislation (LD 1733), would require an additional headcount.

Collaborations
In concert, the Maine Economic Development Strategy, the State of Maine Broadband Action Plan and ERC recommendations emphasize the importance of cross-sector, stakeholder engagement, specifically: interagency cooperation, fostering public-private partnerships, and coordination among the Governor’s Office, Department of Economic and Community Development, Department of Education, Office of Information Technology, the University of Maine System, federal agencies, and private and community partners. While ConnectMaine hasn’t had the time to fully engage in these efforts yet, staff has started to work with the DOL Workforce Investment Boards on an NGA grant to develop a strategic plan for workforce digital skills and engagement. This type of interagency effort takes time and patience to develop and implement. If digital inclusion is ever to be imbedded across state government, this effort needs attention and time of an advocacy staff position.

The benefits of such collaborations are numerous, but engaging partners to realize the benefits has yet to be accomplished. A multi-sector shared plan could be created by working with key stakeholders. Such a plan would develop actionable steps toward these types of collaborations, identify ways to financially support the work, and avoid creating redundancy in efforts to collaborate and ultimate deploy broadband statewide. Some non-profit and business groups are already investing in these ideas, which can be achieved with leadership, investment and activity at the state level.
Conclusion
While the vision of universal broadband in the state hasn’t changed overtime, the goals and actions to realize that vision evolve overtime as circumstances change. The activities proposed in this triennial strategic plan are subject to change, especially with changing political, financial, market and social environments of Maine and the nation. While change is inevitable and beneficial, it’s important to limit disruptions in the marketplace of the private sector. The statute requires the ConnectMaine Authority to provide an annual legislative report on its activities.

Partners
Navigating the integration of community planning processes, mapping data and the Maine Connectivity Authority strategy of lowering the cost of infrastructure through equity and ownership will be tricky. This will likely involve the engagement of people from across the state having varying degrees of understanding. Before partnerships can be fully realized, the Maine Connectivity Authority will need to decide on its processes and activities, setting the criteria for decision making.

ConnectMaine was nationally recognized in February 2020 by the Pew Charitable Trusts for the community broadband planning program. ConnectMaine is solidly a part of a state broadband leaders network, and is regularly called upon by other national advocacy groups like the Broadband Connects America coalition and the Institute for Local Self-Reliance, and by other federal broadband programs like the National Telecommunications Information Administration.

The State Broadband Action Plan identified the goal of state funds acting as seed funding to encourage and align funds by local, private providers, potential loans and federal government programs. ConnectMaine uses funds as well as administrative capacity to leverage funds from other sources and through its innovative programs. ConnectMaine applied to the National Telecommunications Information Administration for a $28 million grant plus 10% of that in state and private funds to expand broadband to 15,000 locations. The Broadband Intelligence Platform supports these types of applications for federal funds, by engaging the private sector early in the process.

Engagement with federal agencies, like NTIA, and in the state broadband leaders’ network is needed to continue influencing and understanding federal programs for the benefit of Maine. If the infrastructure bill passes, how those funds will be distributed (not how much but the actual process) is yet to be determined, and Maine should remain at the table to ensure flexibility and sensibility in federal programs established or enhanced.

Given the establishment of the Maine Connectivity Authority, the approach to ConnectMaine activities considered benefits to both entities, as complimentary authorities. With federal funds flowing to the Maine Connectivity Authority to administer, communication with the private sector, state partners and local communities should be consistent in process and message. Broadband is the work of all state agencies, of all sectors. The ERC recommends creating a plan to facilitate the colocation and joint use of broadband with intelligent transportation and grid modernization deployments.
ConnectMaine builds on the strengths of each partner, bringing together people, knowledge, funds and strategies, to support local and regional work to expand broadband statewide. ConnectMaine continual learns from doing, being willing to experiment, innovate and revise its ideas, strategies and programs. The network of broadband advocates who support local broadband planning and expansion should be sustained.

ConnectMaine and the Maine Connectivity Authority should revisit its partnership come autumn. A potential activity longer-term could be to move chunks of ConnectMaine programming and supporting statutory language to the Maine Connectivity Authority; whereby, the Maine Connectivity Authority would set the overall policy and strategy direction, and focus on various revenue streams and middle-mile projects, while ConnectMaine programming would continue to focus on community broadband planning support and last-mile grants, pursue alternative federal funds. This move would also specifically address the existing revenue stream.

The ConnectMaine Authority is funded primarily through two assessment fees on communications services. This ConnectME Fund, including the recent increase being implemented through rulemaking, should be protected and sustained to support ongoing expansion of broadband infrastructure. There is an associated risk in addressing this part of the statute: The industry has ideas on simplifying from the current two-fee structure; considerations include how much revenue is generated and the very likely opposition from the cellular industry. Seeing any of these changes through would require developing a strong legislative agenda and lobbying plan.

**Middle-Mile**

There is already interest in equity capital in Maine. At least three communications service providers and at least two investment firms are just the tip of the iceberg. The Maine-based company Axiom Technologies is also talking with equity partners. ConnectMaine has been a part of early and continuing conversations with Post Road Foundation work in this area. To help Maine to capitalize on this potential equity capital and other opportunities from investing in middle-mile and smart-grid projects, connecting the dots could be accomplished with business modeling, and using analytical and strategizing tools.

Investigating and implementing investment activities longer-term could include the following, which will be possible under the statutory authority of the Maine Connectivity Authority:

The Maine Economic Development Strategy calls for a program at the Finance Authority of Maine that provides loan guarantee insurance to communications service providers. Loan guarantees are not the same as low interest loans, not the same as junior loans, but FAME could potentially consider these, especially if the lending and loan insurance limits are increased and/or the state increases their capital reserves. Working with private banks may make them more comfortable with loaning to community-driven projects. Either with the private-sector or community development investment institutions, the broadband feasibility studies could be translated into business plans for attracting the needed financing. Additionally, how to address the common problem of companies and communities that don’t have debt capacity left could be investigated.
A revolving loan fund would provide a new source of financing for broadband infrastructure projects. Such a fund could provide loans at multiple risk levels to multiple borrowers: municipalities at lower risk, communications service providers at varying risk levels based on financial history and start-ups at higher risk. Administered by the state or FAME, this fund would potentially lower interest rates, allowing for lower interest rates, and that interest accrues over time exceeding the cost of administration. Pairing such a fund with grants could attract more borrowers, while extending more grants to more recipients increasing overall impact of public funds.

A Peering Center or Point of Presence (POP) is a location where multiple carriers or internet service providers (ISPs) can meet to exchange traffic. Peering reduces costs, and improves quality and speeds of data transmissions, but there may only be one POP in Maine. Establishing one or more POPs would have benefits to ISPs and others. Currently internet traffic is routed only to Boston, a vulnerability for Maine. Stringing together several POPs could help establish alternative routes for internet traffic.

Monetizing middle-mile infrastructure projects could benefit multiple stakeholders. In addition to connecting end users, projects funded with grants can provide redundant routing, support smart-grid projects, connect anchor institutions such as government and health facilities, etc. Owning a portion of the infrastructure, a number of dark fiber strands, would allow the state to lease that added capacity. While making otherwise inaccessible fiber routes available, the state would benefit from the revenue over time as demand continues to increase steadily into the future. Owning enough fiber mimics a large real estate investment.

**Technology**

The designations of broadband service and unserved areas are utilized to determine geographic areas eligible for implementation of infrastructure grants but do not necessarily define the capabilities, or build-to standard for broadband service, to be deployed with those grants. Many more areas of the state lack universal broadband sufficient for all residents, businesses and institutions to take full advantage of economic and social opportunities than the targeted areas in which ConnectMaine can deploy limited state funds.

In the future the usage of broadband service, instead of (only) the existence of broadband infrastructure, could be further considered in the designation of unserved areas. ConnectMaine recognized the need to focus on the affordability as another measure. The designation of broadband service should continue to weigh adequacy of the service for simultaneous use of multiple applications by all potential users, not only when no one else in a household or neighborhood happens to be online. The extensive stakeholder engagement process ahead of the designation of broadband service and unserved areas should be used in the future as well.

Users are increasingly choosing their smart phones as the primary way to connect to the internet. Technologies like 5G will continue this trend. Fortunately, the infrastructure that deploys 5G will also require fixed broadband service.
Making service available in very remote areas is the allure of satellite technologies; however, to date all satellite providers have had practices that greatly affect affordability. The high-cost installations are passed on to the subscriber, in addition to charging high prices for monthly subscription to internet service, which includes capping the amount data downloaded and uploaded. While satellite technologies are continually innovating, there is still no evidence that any future satellite providers will be different in terms of cost and availability of broadband. Dense foliage of tree canopies in Maine also remain a major challenge for satellite technologies to provide consistent, quality service.

In addition to eventual costs, there are still questions about the timetable for, and about the service quality of, the Starlink project for Mainers, but the fact that private-stage beta testing is occurring in Maine is of course exciting. This is a new technology without a history of functionality, and beta testing and piloting is to continue into 2022 at least. Under the Rural Digital Opportunity Fund, the buildout is six years out. It’s also exciting that SpaceX is trying to do its pilots with digital inclusion in mind, targeting unserved and underserved, less dense areas, as demand has been outpacing supply during deployment. Limitations of Starlink include the ability to add 3500 satellites at a rate of 120 per month, before determining the actual quality and other details of this service.

**Climate**

During the pandemic, and resulting economic crisis, many companies required employees to begin working from home. Many Mainers lost their jobs simply for the lack of broadband availability. The Maine Climate Action Plan includes the finding that many will continue working remotely, even permanently, after the pandemic subsides.

Maine has four Climate Action Plan Goals:
- Reduce Maine’s Greenhouse Gas Emissions
- Avoid the Impacts and Costs of Inaction
- Foster Economic Opportunity and Prosperity
- Advance Equity through Maine’s Climate Response

Expanding universal broadband service would help achieve these goals. Specifically, deploying broadband to 95% of Maine homes by 2025 and 99% by 2030 is part of reducing vehicle miles traveled. Broadband availability allows residents to work where they live, reducing Maine’s higher-than-average commutes.
Appendices
In addition to other required components of the triennial strategic plan, ConnectMaine provides helpful information related to implementing this plan.

Definitions
These definitions originate from the statute, rule or other published state documents.

Bandwidth—the capacity for data transfer of an electronic communications system

Broadband service—a two-way, always-on, communications service that provides access to public data networks and the internet, without usage limits and meets certain performance criteria determined by the ConnectMaine Authority to be necessary to use common applications and network services

Communications service—any wireline voice, satellite, data, fixed wireless data or video retail service

Designation of broadband service—internet service with speeds of at least 100/100mbps

Designation of underserved areas—geographic areas where the available service is greater than 50/10mbps but less than 100/100mbps

Designation of unserved areas—geographic areas where the available service is less than 50/10mbps

GIS—geographic information system

FCC—Federal Communications Commission

Fiber—Glass strands, each smaller than a human hair, that are capable of transmitted a virtually unlimited amount of bandwidth using optical lasers. Fiber strands are activated with optical electronics on either end to provide communications services, considered lit versus dark fiber.

Infrastructure—physical components that provide the basic support for distributing communications services. Service drops, last-mile, middle-mile and backhaul refer to various portions of infrastructure.

Budget
Annually the ConnectMaine Authority reviews a proposed budget that plans levels of funds for its activities, programs and initiatives. The proposed budget includes anticipated allocations for activities of this triennial strategic plan that were started in fiscal year 2022; budgets for activities that will occur in collaboration with the Maine Connectivity Authority or beyond fiscal 2022 will be developed for annual reporting to the legislature and are made publicly available on the ConnectMaine website.
# ConnectMaine Authority Financials

**FY22 Administrative Budget**

## Revenue

<table>
<thead>
<tr>
<th>Item Description</th>
<th>FY20</th>
<th>FY21</th>
<th>Actual</th>
<th>Projected</th>
<th>Initiatives</th>
<th>Proposed</th>
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Resources
To support the activities of this triennial strategic plan, and to most effectively engage cross-sector partners, ConnectMaine collects and disseminates information to support deployment of broadband. These and other resources are shared on the ConnectMaine website:
www.maine.gov/connectme/communities-resources/resources

Broadband
Broadband 101 by the Benton Institute: www.benton.org/blog/everything-you-wanted-know-about-broadband-were-afraid-ask


Broadband Factsheets by Broadband Connects America Coalition:
www.broadbandconnectsamerica.com/factsheets/


Planning
Community-Driven Broadband Process guidebook from Island Institute:

Fiber-to-the-Home Tools & Resources from Broadband Communities Magazine:
www.bbcmag.com/tools-and-resources

Guides by BroadbandUSA

Maine Model Cable TV Franchise Agreement:
www.maine.gov/connectme/sites/maine.gov.connectme/files/inline-files/Model_Cable_Franchise_Agreement.pdf
**Assistance**
Maine Broadband Coalition helps public policy makers and Maine citizens make the best choices about building a robust and productive information technology infrastructure: www.mainebroadbandcoalition.org/resources

VETRO Cares provides planning and design tools that can help accelerate broadband expansion in local communities: www.vetrofibermap.com/products-and-services/vetro-cares-community-planners/

Consultants who have worked with communities on expanding the availability of broadband service in the state: www.maine.gov/connectme/communities-resources/consultants

The Blandin Foundation's consultant list may contain those who are also willing to work in Maine: https://blandinfoundation.org/content/uploads/Broadband-Feasibility-Study-Consultants.pdf

**Affordability**
National Digital Equity Center provides resources to close the digital divide, including affordability and literacy resources: https://digitalequitycenter.org/resources/

give IT. get IT provides affordable equipment, such as computers, along with other digital inclusion resources: www.giveitgetit.org/
Broadband Utility Districts

Community Broadband Planning Support Program

Factsheet for Maine Communities

Background
The Community-Driven Broadband Planning Process leads to expanding the availability of broadband service. To advocate and support this local process, ConnectMaine administers the Community Broadband Planning Support Program, which includes grants, resources and assistance. One set of resources and assistance compiled is for communities that have chosen the operational structure of a Broadband Utility District (BUD) in order to expand broadband service availability.

In 2015 the Legislature amended the interlocal cooperation statute (MRSA 30-A Chapter 115) to specifically include the formation of Broadband Utility Districts. These BUDs are quasi-municipal districts, independent of town government, but have an elected board and can receive grants, borrow and finance the development of publicly owned systems. In 2019 the legislature (MRSA 30-A Chapter 213) included telecommunications and broadband systems for which a municipality can use to issue revenue bonds based on Revenue Producing Municipal Facilities. These statutes give two tools to local communities for expanding broadband service availability.

Program
To support communities that have chosen the operational structure of a Broadband Utility District and the use of revenue bonds, ConnectMaine has expanded its Community Broadband Planning Support Program, creating a pathway for these communities through the aspects of broadband planning. The benefits for municipalities in forming a regional BUD include the technical assistance all along that path and the planning grants needed, which are awarded based on progress toward the goal of universal, affordable broadband.

ConnectMaine prioritizes assistance to communities that meet the following requirements:

- At least four municipalities or local governments have undertaken the Community-Driven Broadband Planning Process;
- Local government leaders have approved efforts to form a BUD;
- There's commitment that the BUD will take on the responsibility of digital equity and inclusion, including efforts to connect customers to the Affordable Connectivity Program or similar opportunities; and
- There's commitment to a broadband solution that will result in broadband service availability--service offerings will include 100mbps/100mbps at least.
**Formation**

While any two or more municipalities or local governments can form a BUD, there’s benefit in joining with enough municipalities to make use of revenue bonds and other tools toward broadband expansion. ConnectMaine encourages BUDs of at least four communities to help achieve a statutory purpose of supporting universal broadband throughout the state. Communities should consider the following:

- What population is needed for the enough potential subscribers? What size of area or locations are needed to leverage existing infrastructure and address density of potential subscriber locations? Are there other geographical factors that affect the business model of the broadband solution or potential negotiating power of the BUD?

- How much political will and local governance capacity is needed for the BUD to be functional? Which nearby municipalities have other joint efforts or working relationships? Are there other factors of the policy context affecting widespread community support for broadband?

- How wide should the net be cast to enlist community members who have relevant backgrounds and roles to further ensure community goals are met and who are committed through the expansion of broadband? How narrow should the net be cast to avoid too many representatives to be functional?

Many of those questions would be answered during the Community-Driven Broadband Planning Process, which is a reason that ConnectMaine incentivizes communities to undertake that process initially. Once the communities have decided to form a BUD, the governing bodies would take action by ordinance, resolution or other applicable means, such as town meeting, to make effective the agreement for interlocal cooperation forming the BUD. The state law outlines this process and what the agreement must contain.

BUDs that won’t be separate, legal entities from the communities must include either have an administrator or a joint board. In most cases, a joint board is used, in which case all member communities must have representation on the board. There isn’t a maximum number of board members, but communities should consider the backgrounds and roles that would be relevant to carrying out the broadband project. Communities should also consider the appropriate way to appoint board members to their BUD.

The agreement must specify how the BUD will finance and manage the budget of the broadband project. While the BUD won’t have taxing authority, the BUD would have the authority to issue revenue bonds, and the communities of the BUD may appropriate funds, personnel and services. The legal fees and other costs involved in establishing a Broadband Utility District are eligible project costs under ConnectMaine Community Broadband Planning Grants. ConnectMaine aims to ensure availability of Broadband Infrastructure Grants for BUD applicants.

**Bonding**

Choosing the financial model or business plan for the broadband solution is another aspect of the Community-Driven Broadband Planning Process. Municipalities with a population of at least 1,000 can issue revenue bonds for revenue-producing municipal facilities, which include broadband systems. The state law outlines the process, which includes preparing financial statements.

Because of the formation of a BUD requires a budget and issuing bonds requires financial statements, ConnectMaine encourages broadband committees to engage local treasurers early and frequently in the planning process. Legal and other consultants supporting community broadband planning are listed on the ConnectMaine website. ConnectMaine also anticipates publishing another factsheet that dives into the strategies and partners for using this tool of revenue bonding.

ConnectMaine has compiled resources and assistance, including grants, templates and examples, on its website: [https://www.maine.gov/connectme/communities-resources/BUDs](https://www.maine.gov/connectme/communities-resources/BUDs)

Disclaimer: This factsheet is intended for information purposes only and doesn’t serve as legal advice.
Extension Requests

23 March 2022

ConnectMaine Staff

Background
ConnectMaine rule sets parameters for the timeline of projects funded with grants. For typical project scopes—infrastructure projects costing less than $1.5 million and all planning projects—the completion date is one year. The contracts with grant recipients aim to account for the time to get pole licensures, including make-ready time, and aligning with the state financial timing, without going too far into a second year. When it doesn’t look like the completion date agreed to in contract will be met, grant recipients can use progress reports to make an extension request of the ConnectMaine Authority.

Broadband Infrastructure Projects
The Town of Georgetown is requesting an extension due to pole processes that could extend into summer.

Georgetown
Original completion date: 15 June 2022
Anticipated completion date: 30 September 2022
Deadline for final disbursement of grant funds: 31 December 2022

List the project timeline with milestones expected:

- Oct-Dec. 2021: Originally, 10 Applications of approximately 200 poles each were submitted to Consolidated Communications, Inc. (CCI) and CMP in March 2021. CCI rejected applications 06-10 due to the number of pole applications allowed by CCI to Axiom. Under a new private process, Process 880, CCI allowed GBLCC to hire Tilson Engineering to complete the CCI survey for Applications 06-10, and further allowed GBLCC to contract with Tel-Power to complete the make ready work. Tilson completed their survey Dec. 12, 2021 and developed the make-ready costs for the applications. Tel-Power is currently being scheduled to complete the work. CCI will still be completing the pole replacement of 25 poles that were identified in Applications 06-10. Hawkeye Connections is coordinating this work with CCI.
- Make Ready work is scheduled or being scheduled on 75% of the applications, scheduled to be completed by the end of March 2022. (10 for CCI and 5 for CMP). The M-R work by CCI is currently scheduled, but 2 of the deadlines for their Estimated Construction Completion have pasted, with no date or response forthcoming from CCI. The estimated M-R work completion is scheduled as follows:
  - CCI Applications No. 1-5: 02/17/2022 (2 of 4 currently overdue)
  - CMP Applications No. 1-5: 02/22/2022 (4 complete, 1 awaiting tree trimming)
  - CCI Applications No. 6-10 (by Tel-Power): TBD (expected by 03/31/2022)
  - CMP Applications 6-10: Applications currently being work on

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1 ConnectMaine Rule Ch. 101 §6.G.
The remaining 5 CMP applications 06-10 referenced above are currently in process. Communications has been opened with Nate Costa of CMP to accelerate the make ready application and make ready work process and determine if small areas can be accelerated to allow our transmission line work by Hawkeye to be accelerated. We are currently awaiting CMP to complete their determination of make ready costs so the scheduling effort can commence. Our first Progress meeting with CMP, Axiom, Hawkeye and GBLLC was January 14th, and every two weeks thereafter. CMP is forecasting May as a M-R preliminary completion date for these 5 applications.

- Sept-Oct. 2021 Our Control Area has been completed (picture in report) with the exception of an accessory cabinet, which will be received the second week of January and installed. 90% of the electronics for the control cabinets has been received by Axiom and paid for by GBLLC. These electronics are being held by Axiom (with Storage Affidavits) until installation is required.
- February. 2022: All of the fiber, support cables and accessories required for the transport system are currently being stored in Georgetown. All of the Control Area has been installed, with the system electronics equipment to be located in the cabinets being held by Axiom until installation required. All CPE has been ordered, and is delivery is expected April-May 2022. Currently about a quarter of the CPE has been delivered and is being stored in Georgetown.
- April 2022: Our system installer, Hawkeye, is scheduled to begin work on the transmission system.
- April 2022: Axiom will complete installation of electronics of Control Area.
- 30 July 2022: Hawkeye complete with transmission system.
- 30 September 2022: Axiom complete with customer installs.

**Broadband Planning Projects**

The Town of Jefferson is requesting an extension due to the NTIA Grant decision pending. Town of Rome wished to request an extension, but didn’t submit the request.

**Jefferson**

Original completion date: 1 February 2022  
Anticipated completion date: 31 January 2023  
Deadline for final disbursement of grant funds: 28 February 2023

List the project timeline with milestones expected:
The milestones are unchanged at this time. We have not expended any funds related to this grant because the NITA grant is still pending. Due to the pending release of the NITA grant we are requesting an extension of twelve months be added to our timeline.
Rome
Original completion date: 5 February 2022
Anticipated completion date:
Deadline for final disbursement of grant funds:

List the project timeline with milestones expected:
“Could we have an extension of the planning grant? We are working with Vetro Fibermap as part of their Cohort3 program to input data to figure out where the gaps in broadband coverage is.” “We are still working with Vetro and have input coming to the town on how they wish to proceed. Please allow an extension for additional planning.”

Recommendations
Approving extensions for the following completion dates now anticipated would allow these projects to be fully funded with grants awarded.

<table>
<thead>
<tr>
<th>Projects</th>
<th>Original</th>
<th>Anticipated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Georgetown Community Broadband Infrastructure</td>
<td>6.15.22</td>
<td>9.30.22</td>
</tr>
<tr>
<td>Town of Jefferson Broadband Feasibility Study</td>
<td>2.1.22</td>
<td>1.31.23</td>
</tr>
<tr>
<td>Town of Rome Community Broadband Plan</td>
<td>2.5.22</td>
<td></td>
</tr>
</tbody>
</table>

*Motion to approve* the extensions on completion dates as requested:
Waiver of ConnectMaine Rules Requested by Unitel

Unitel is requesting that ConnectMaine waive the provisions in our rules that prevents them from being eligible to apply for the current grant round. This waiver is being requested as the company is undergoing a change in ownership. The sale is expected to close in the near future and most of the required regulatory and administrative approvals from the FCC and PUC are in hand. The new owners have represented to staff and board chair that they would like to partner with the State on expanding access to internet including providing the data required by Section 3 of ConnectMaine’s rule. This appears to be a unique circumstance where a change in ownership is happening during the lead up or within the period of a ConnectMaine grant round.

Section 8 of ConnectMaine’s rule allows the Authority to waive any requirements for good cause, so long as those requirements are not required by statute or inconsistent with the purposes of the rule or ConnectMaine’s statute. Allowing the new company to be eligible for these funds furthers the state’s broadband goals and is consistent with the policies set forth in 35-A MRS Chapter 93. The change in ownership is a material enough for the board to find that it represents good cause.

Any waiver of ConnectMaine rules Section 3(A)3, which ties the provision of data to grant eligibility, should include the following considerations:

- Unitel or the new owners of Unitel are eligible to apply for the current round of ConnectMaine infrastructure grants as any other eligible ISP is able to do.

- If a project from Unitel or the new owners of Unitel is awarded, funds can only be distributed if the sale of the company has closed and Unitel is being managed by the new owners.

- If at the time of the grant award, the closing has not yet occurred, funds will be set aside and provided to the new company after the closing but the project must be completed within 1 year of ConnectMaine’s decision to award funds.

- ConnectMaine staff must receive the required data in a timely manner before ConnectMaine provides any funding to the new owners of Unitel.
Date: February 17, 2021

ConnectMaine Authority
59 State House Station
Augusta, ME 04333-0059

Dear ConnectMaine Authority,

UniTel, Inc. ("UniTel") is hereby requesting a waiver of the due date for the compliance requirements of Section 3(a)(3) to allow UniTel to participate in the current upcoming grant process. The date to request a waiver for the upcoming grant process for the delivery of the requested data has passed. However, due to recent internal changes, the focus for UniTel in building out a FTTH network in the State of Maine has changed. If UniTel is granted the requested waiver, UniTel will commit to providing the data requested as soon as possible.

We realize that all entities seeking to participate in the grant process were required to comply with Chapter 101 99-639. Each company was to submit to the Connect Maine Authority the necessary requested data as defined in Section 3(a)(1) to Section 3(a)(5). At the time of the filing deadline, UniTel was unsure of its position regarding its participation in the grant process for building out its Fiber-To-The Home (FTTH) network.

UniTel’s new focus will be to expand its FTTH networks within and beyond its ILEC footprint. UniTel has started a Public/Private partnership with the Town of Thorndike to ensure that every town/state road has access to a fiber optic connection to the Internet. UniTel has also started the preliminary discussions with the Town of Waldo and the Town of Brooks for possible Public/Private partnerships. In order to accomplish successful buildouts in the Town of Thorndike, investments from UniTel, the Town, and grant opportunities from State Of Maine agencies will be required. Therefore, we respectfully request that the ConnectMaine Board grant the requested waiver.

Sincerely,

[Signature]

Michael Akers
Director of Network Operations, UniTel
Via E-mail
Peggy Schaffer                      February 21, 2022
Director
ConnectMaine Authority
Department of Economic and Community Development
59 State House Station
Augusta, ME 04333

Re: Request of FirstLight Fiber, Inc. for a Waiver of ConnectMaine Rules Regarding Grant Eligibility

Dear Ms. Shaffer:

By letter dated February 21, 2022, FirstLight Fiber, Inc. (“FirstLight”) has submitted the requisite broadband availability data pursuant to Section 3 (A) (1) and (2) of the ConnectMaine Authority’s Rules, and hereby respectfully requests that the company be deemed eligible to apply for grants in the current grant period.

FirstLight requests a waiver of the due date for data submission pursuant to M.S.A. 99-639 Chapter 101 Sec. 8, which provides that the “Authority may, for good cause, waive any of the requirements of this Chapter that are not required by statute.” Granting the requested waiver and allowing FirstLight to participate in the current grant period is consistent with the Authority’s mission to facilitate the universal availability of broadband throughout the state by providing grants targeted at unserved and underserved areas in Maine. Robust participation in the grant round will serve the public interest.

FirstLight seeks to participate in the grant round by applying for grants that will help accelerate and extend the ongoing Fiber To The Home infrastructure buildout in the FirstLight’s service territory and the Lewiston geography.

For the reasons stated herein, FirstLight respectfully requests that the ConnectMaine Authority grant a waiver to allow the company to participate in the current grant period. Thank you for your consideration. If you have any questions regarding this request, please do not hesitate to contact me.

Respectfully submitted,
Jeff McCarthy
Vice President – LHDF
jmccarthy@firstlight.net
207-650-9683