

North Bay/North Coast Broadband Consortium

“PROJECT 100/20 by 2025”

**The Three-Year Project Plan
for the
CASF CONSORTIA GRANT**

I. Vision, Mission, and Goal

A. Vision

The vision of the **North Bay North Coast Broadband Consortium (NBNCBC)** is to have the persistent digital divide in Marin, Mendocino, Napa, and Sonoma counties eliminated.

Throughout the region all residents (households), visitors, businesses, educational institutions, libraries, health facilities, public safety institutions and other governmental agencies will have broadband access at the 100/20 Mbps minimum standards or better by 2025; and, meet the adoption rates established by the FCC for households and by the respective national education, library, health and public safety associations for those enterprises.

The regional economy will grow and the lives of those living, visiting and doing business in the region will be comparable with other regions across the State of California. Economic development will be positive, bringing new business to the region.

B. Mission

The mission of the **NBNCBC** is to facilitate the planning for of a strategic broadband infrastructure for each county based on “last mile” community needs, and to assist with the planning to help integrate these county infrastructures into a robust, diverse and cost affordable regional broadband infrastructure.

This mission reflects the commitment of the four county governments, representing all their constituencies, to work together as the official members of **NBNCBC**, to ensure that the needs for broadband access are met in every corner of all four counties.

C. Goal

NBNCBC’s singular goal for this CASF-Consortia 3-year Grant is to:

- Facilitate the planning for community-based “last mile” infrastructure capabilities for communities in each of our four counties with an emphasis on the “unserved” and “underserved” priority communities to progress towards the goal of 98 percent of the households in the **NBNCBC** region having access to broadband at the current minimum California speed standards of 6 Mbps download and 1 Mbps upload.

To achieve this 98 percent goal new broadband infrastructure must be deployed to provide access to over 12,000 “unserved” and “underserved” households across our four counties.

NBNCBC’s goal by 2025 is to have 98 percent of our households have access to a minimum of 100 Mbps download and 20 Mbps upload.

II. Background

A. Consortium History, Governance and Organization

NBNCBC was formed in 2014 as a California Advanced Services Fund (CASF) funded regional broadband planning consortium. **NBNCBC’s** membership is composed of Marin, Napa, Mendocino, and Sonoma counties. These counties joined forces because of concerns that

substandard broadband access threatened the economic health and quality of life throughout the region.

For the past five years, working together, the activities of **NBNCBC** have resulted in the: 1) distribution of information raising awareness in all the counties about the importance of broadband access to economic development; 2) understanding of the needs for and value of broadband planning with two counties developing countywide strategic broadband plans; 3) assistance with the planning to help lead to the actual deployment of three major CASF Infrastructure funded projects and two other projects without such funding (**See SECTION 1**); and 4) development of two major reports and one survey that have provided valuable data and information about disaster response.

NBNCBC leadership will continue to consist of an Oversight Committee made up of four county supervisors with four alternates, appointed by each of the four counties; and, a **NBNCBC** Management Team, comprised of seasoned and knowledgeable people from each county with experience in the delivery of networked telecommunications and promoting its deployment. **SECTIONS 2 and 3** provide more detail about **NBNCBC's** governance, management and the participants.

The digital divide still looms large, especially in rural portions of each county. Building on a proven base of achievement, **NBNCBC's** efforts over the next three years, utilizing the CASF Consortia Grant, will be focused on planning efforts to assist with “last mile” infrastructure projects. This overall **NBNCBC Three-Year Project Plan**, (**See SECTION 5**) reflects this focus.

B. Brief Profile of the Four-County Region

The four counties that comprise the **NBNCBC** are geographically contiguous, while at the same time encompassing great diversity. Rugged coastlines, foggy inlets, terraces, river estuaries and bays meet the Golden Gate Bridge and San Francisco Bay as you move from northernmost Mendocino County south along the coast; as you move inland the Coast Range Mountains rise to greet you, hiding pockets of ancient Redwood Groves, and Mount Tamalpais at the southern end as one of the most visited and beloved peaks of the region. Continuing inland you will find the many vineyards and wineries for which this region is renown, turning the region into a blaze of reds and orange in the harvest season of fall.

The region's population is as diverse as the geography, as seen from the demographics. For instance, while Marin averages 485 persons per square mile, Mendocino averages only 25. Other differences are also apparent if you take an in-depth look at the data. However, the scenic beauty that attracts visitors from all over the world to our small region of California (we only encompass 4.07% of California's landmass and 2.58% of its population) unites the four counties culturally and socially in the tourist industry, and together as a region we are affected by growing national trends. **SECTION 6** provides additional profile information.

C. Broadband Availability Data, Maps and Census Blocks for the Four-County Region

Based on the CPUC 2018 Availability Data (reported by the providers as of December 31, 2017),

Table 1.0 shows that 353,258 of 372,856 households (HHs) in **NBNCBC** are “served”, or 94.7 percent. AB 1665 set a goal of 98 percent access for each of the 16 regions across the state. Only three of the 16 regions (Bay Area, East Bay and Los Angeles County) have achieved that goal to date.

For **NBNCBC** to achieve the AB 1665 goal of 98 percent an additional 12,141 of “unserved” and “underserved” HHs would have to be provided access across the **NBNCBC** region at or above the 6/1 California standards. As depicted in Table 1.0, three of our four counties (Marin, Napa and Sonoma) are at 96.5 percent or better. However, Mendocino County is only at 73.7 percent.

While Mendocino County has the largest shortfall the overall deficit presents all four counties with a significant challenge to close the gap.

TABLE 1.0		Served Status @ 6 Down / 1 Up							
County	Population	Total Households	Served	Served %	Under-served	Under-served %	Un-served	Un-served %	No. Census Blocks
Marin	252,409	103,210	100,697	97.6 %	468	0.5 %	2,045	2.0 %	4,357
Mendocino	87,843	34,945	25,754	73.7 %	824	2.4 %	8,367	23.9 %	8,165
Napa	136,484	48,876	47,548	97.3 %	192	0.4 %	1,136	2.3 %	2,766
Sonoma	483,878	185,825	179,259	96.5 %	1,231	0.7 %	5,335	2.9 %	10,339
NBNCBC TOTAL	960,614	372,856	353,258	94.7 %	2,715	0.7 %	16,883	4.5 %	25,627

SECTION 6 provides a further breakdown of the availability data by cities/towns, census designated places and unincorporated areas for each county. Also, there is a map for each county that shows these data graphically.

Finally **SECTION 6** also has the lists of Census Blocks, Census Block Groups and Zip codes for each county, as required in the grant application.

III. Overall NBNCBC Three-Year Project Plan Framework and Strategy

The Commission has prescribed six (6) major objectives that a regional broadband consortium may seek CASF Consortia Grant funding in order to achieve the program’s overall goal of facilitating deployment of broadband infrastructure and services in the “unserved” and “underserved” communities in all regions of the State. These include:

- Objective 1** Engage and Collaborate with the Commission and Various Entities
- Objective 2** Identify Potential CASF Infrastructure Projects in Each County

Objective 3	Assist Infrastructure CASF Grant Applicants
Objective 4	Conduct Related Activities Leading to Applications
Objective 5	Assist with Planning for Wireline Testing
Objective 6	Conduct an Independent Audit and Participate in CASF Workshops

Within this overall three-year project plan NBNCBC has developed five three-year project plans, one for each of our four counties and one for NBNCBC-Specific. We have elected this approach given that each county is at a different stage in its achievement of the NBNCBC goal and may elect to pursue different CASF objectives.

Within each CASF objective there may be several activities and tasks carried out to achieve the goals of **NBNCBC** and the CASF program. We identified a non-exhaustive list of potential activities within the six CPUC prescribed objectives to potentially be part of a county's three-year project plan.

Each county team has selected from the CASF prescribed objectives the ones it will perform as part of its three-year project plan. Within the selected CASF objectives the county team has chosen the activities it will execute to achieve the CASF objectives. Using the CASF form in **SECTION 8** the three-year project plans have been split into the three annual work plans by each the four counties and NBNCBC-Specific, as required.

The NBNCBC Management Team, at both the consortium and county levels, will use a project management tool to track the progress of every activity in the selected CASF objectives that it undertakes as part of the CASF funding of the five annual work plans. The Consortium Manager will monitor and review the input on a monthly basis to determine if we are on pace with the work plans. If not we will decide what corrective action is to be taken to get back on track.

It is important to note, as required in the CASF guidelines, the three-year project plans and the annual work plans submitted by **NBNCBC**, only reflect the CASF objectives and activities for which **NBNCBC** is requesting CASF Consortia Grant funds. In actuality, additional county staff and volunteer time, plus county budget funds to augment contracts for consultants will be necessary to execute our overall project plan in order achieve the **NBNCBC** goal set out for this effort.

The corresponding annual budgets are presented in **SECTION 9** using an adaption of the CASF form.

IV. The Scope and Primary Foci of the Five Three-Year Project Plans

The following provides summaries of the five three-year project plans that comprise **NBNCBC** 's **"Project 100/20 by 2025"** for which we are seeking CASF Consortia Grant funding to underwrite.

Marin County Three-Year Project Plan

Over the past four (4) years, Marin County's efforts, as part of NBNCBC's CASF Consortium grant program, were directly focused on planning efforts to help with building-out access networks within identified Priority Areas (PAs) in the rural West Marin area, which held the majority of the County's "unserved" and "underserved" households. NBNCBC's CASF Consortium grant funds assist with planning efforts.

Additional grant funds were secured independently by Marin County to conduct the infrastructure projects. Originally three potential project areas in West Marin were identified for pursuit of CASF Infrastructure grants. Once the Marin Team identified a willing provider, they facilitated submission of two successful CASF Infrastructure grants.

The Nicasio Broadband Network (NBN) Project (220 CASF-funded homes passed) was completed in first quarter 2019. The Bolinas Gigabit Network (BGN) (571 CASF-funded homes passed) is underway in its pre-construction phase. Construction operations are being launched now in 2019. With the 791 CASF-funded homes passed, the Marin Team believes West Marin is on the cusp of reaching toward 1,000 homes passed with fiber fed high capacity connections where little or no broadband existed. However, the uncertainty of what the incumbent will do with CAFII deployment in this area has halted progress on mounting other CASF project applications.

At the same time, under the leadership of a new CIO, Marin County identified three priority foci for its efforts going forward. The highest priority is to develop a Digital Infrastructure Strategic Plan (Plan) for the County through a broad-based collaborative process. In addition to continuing to build out Access Networks (priority two), the third focus is developing a private investment and support strategy to help implement the Plan.

While Marin County plans to budget funds for much of this effort, it has identified specific activities to undertake with its share of the NBNCBC CASF Consortium Grant. The Consortium Grant funds will not be used for construction of infrastructure. Specifically, within CASF Consortia Grant Objectives 1-4, Marin County will focus on the following activity areas over the three-year grant period.

1. Engage and maintain community involvement and commitment in the development of the Digital Infrastructure Strategic Plan
2. Engage and work with existing and prospective broadband providers on planning and community outreach
3. Identify unmet needs resulting in potential projects
4. Assess capabilities and willingness of providers to pursue projects
5. Assist infrastructure applicants with initial possibilities for planning project development and applications for grants
6. Support broadband permitting activities and develop an inventory of County assets

Marin County, a member of NBNCBC, will contract with consultants, to assist with implementation of this three-year Project Plan. The following are the activities in the four selected CASF Consortia Grant Objectives that consultants will execute for the County.

OBJECTIVE 1 Engage and maintain the involvement and commitment of the communities and entities throughout the County

Activity 1 Engage and maintain the involvement and commitment of the Board of Supervisors and leaders of cities, towns, special districts, schools, libraries, public safety agencies, health facilities, businesses, and other community-based organizations in the development of a broadband strategy as part of the overall Digital Infrastructure Strategic Plan

Proposed Use of Funds: Pay the consultants for their work on this activity.

Start Date: 07/01/2019

Completion Date: 06/30/2022

Deliverables: A sub-report within the Consortium's six-month and annual progress reports to CASF that documents the frequency and how these constituencies are being involved and informed about the work of consultants and the execution of the project plan.

Responsible Party: Liza Massey, County CIO and Team Manager

OBJECTIVE 2 Identify potential CASF infrastructure funded projects, along with other funding opportunities

Activity 1 Engage and work with existing and prospective Broadband Providers to learn of their current offerings and future plans to deploy broadband infrastructure and service to communities within the County.

Proposed Use of Funds: Pay the consultants for their work on this activity

Start Date: 07/01/2019

Completion Date: 06/30/2020

Deliverable: Produce a confidential report that documents the results of these interactions and meetings.

Responsible Party: Liza Massey, County CIO and Team Manager

Activity 2 Identify, assess and document the unmet Broadband needs and demands based on the latest CPUC availability data and maps; the results Objective 2 Activity 1; and, surveys of the communities in Objective 1 Activity 1.

Proposed Use of Funds: Pay the consultants for their work on this activity

Start Date: 07/01/2020

Completion Date: 03/31/2021

Deliverable: Produce a report that documents the unmet needs, updates the "unserved" and "underserved" priority areas and identifies potential projects to pursue funding.

Responsible Party: Liza Massey, County CIO and Team Manager

Activity 3 Identify and assess capabilities of Internet Providers willing to take on a project and match them to Marin's priority projects.

Proposed Use of Funds: Pay the consultants for their work on this activity

Start Date: 10/01/2020

Completion Date: 06/31/2021

Deliverable: Produce a confidential report that documents the results of this assessment process.

Responsible Party: Liza Massey, County CIO and Team Manager

OBJECTIVE 3 Assist infrastructure applicants

Activity 1 Assist Infrastructure Applicants in Project Development based on the results of Objective 2 Activity 3 and, as requested, the CASF Grant Application Process and/or other funding opportunities.

Proposed Use of Funds: Pay the consultants for their work on this activity

Start Date: 01/01/2021

Completion Date: 06/30/2022

Deliverable: Produce updates to be included in the Consortium's six-month and annual progress reports to the CASF that documents progress of this activity.

Responsible Party: Liza Massey, County CIO and Team Manager

OBJECTIVE 4 Conduct activities leading to infrastructure applications

Activity 1: Conduct an inventory of public assets and aggregate demand.

Proposed Use of Funds: Have a consultant assist with the creation of a database of County assets that could be utilized for broadband deployment. This initiative may include analyzing right of ways along County roads, publicly owned towers, utility poles, publicly owned property showing which are feasible/unfeasible to deploy broadband. This work will be updated regularly for use as a planning and engineering tool for implementation of broadband infrastructure.

Start Date: 01/01/2020

Completion Date: 06/30/2021

Deliverable: Database of broadband assets mapable in GIS

Responsible Party: Liza Massey, County CIO and Team Manager

Activity 2: Support project permitting activities

Proposed Use of Funds: Hire a consultant to assist with conducting an analysis of Marin County's current permitting requirements for broadband construction projects to identify issues raised by providers and potential inefficiencies impeding broadband deployment and how to streamline permitting for broadband infrastructure projects.

Start Date: 01/01/2020

Completion Date: 06/30/2022

Deliverable: A document containing streamlined broadband infrastructure permitting standards for Marin County.

Responsible Party: Liza Massey, County CIO and Team Manager

Mendocino County Three-Year Project Plan

Mendocino County completed the ***Mendocino County Digital Infrastructure Plan: 2019 – 2025*** with CASF Consortia Grant funding. This plan was adopted by the County in February 2019, and recently by the City of Fort Bragg. Adoption by the other three cities, Ukiah, Point Arena and Willits, is pending.

The Mendocino Project Plan for 2019 – 2022 reflects the Implementation of specific portions of the Digital Infrastructure Plan: "In the subsequent five (5) years, there will be a focus on capacity building for local WISPs as well as large scale project development including grant applications, feasibility studies, design and engineering, and hopefully, construction and operation". Priority areas in the Digital Plan are also reflected in this CASF three-year Project Plan.

Within CASF Consortia Grant Objectives 1-4 Mendocino will focus on five main activity areas over the three-year grant period:

1. Maintain community involvement and commitment
2. Conduct feasibility studies of various priority areas in the county leading to the possibility of infrastructure deployment projects.
3. Work primarily with fixed wireless local ISPs, to identify areas that they are willing to commit to projects
4. Assist those willing providers with project development and applications for grants and loans for the new projects
5. Work with our five jurisdictions (County, Ft. Bragg, Point Arena, Ukiah, and Willits) to develop consistent broadband policies and guidelines, to remove barriers for the providers to implement projects

Mendocino County, a member of NBNCBC, has contracted with the Economic Development and Financing Corporation (EDFC) as a consultant, to implement this three-year Project Plan. The following are the activities in the four selected CASF Consortia Grant Objectives that EDFC will execute.

OBJECTIVE 1 Continuing the Involvement and maintaining the commitment of the communities throughout the County

Activity 1 Maintain Community Commitment

Proposed Use of Funds: Pay the consultant, EDFC for its work on this activity

Start Date: 07/01/2019

Completion Date: 06/30/2022

Deliverables: A sub-report within the Consortium's six-month and annual progress reports to CASF that documents the frequency how the communities are being informed about the work of EDFC and its execution of the project plan.

Responsible Party: Diann Simmons, EDFC and Team Manager

OBJECTIVE 2 Identify potential CASF infrastructure funded projects, along with other funding opportunities

Activity 1 Engage Existing Fixed Wireless Internet Providers and determine interest in doing a project

Proposed Use of Funds: Pay the consultant, EDFC for its work on this activity

Start Date: 07/01/2019

Completion Date: 03/31/2020

Deliverable: A sub-report within the Consortium's first six-month progress reports to CASF that documents the results of these initial interactions and meetings

Responsible Party: Diann Simmons, EDFC and Team Manager

Activity 2 Conduct three (3) Feasibility Studies per year in selected priority areas to determine interest and viability to launch an infrastructure project

Proposed Use of Funds: Pay the consultant, EDFC for its work on this activity

Start Date: 07/01/2019

Completion Date: 06/30/2022

Deliverable: Produce a Feasibility Report for each of the nine (9) studies

Responsible Party: Diann Simmons, EDFC and Team Manager

Activity 3 Identify and assess capabilities of the Fixed Wireless Internet Providers to take on a project and match providers and projects based on the results of the first three feasibility studies

Proposed Use of Funds: Pay the consultant, EDFC for its work on this activity

Start Date: 07/01/2019

Completion Date: 12/31/2020

Deliverable: Produce a confidential report that documents the results of this activity

Responsible Party: Diann Simmons, EDFC and Team Manager

OBJECTIVE 3 Assist infrastructure applicants

Activity 1 Assist Infrastructure Applicants in Project Development based on Feasibility Studies and, as requested, the CASF Grant Application Process and/or other funding opportunities

Proposed Use of Funds: Pay the consultant, EDFC for its work on this activity

Start Date: 01/01/2020

Completion Date: 6/30/2022

Deliverable: Produce updates to be included in the Consortium's six-month and annual progress reports to the CASF that documents progress of this activity

Responsible Party: Diann Simmons, EDFC and Team Manager

OBJECTIVE 4 Conduct activities leading to and associated with facilitating and monitoring infrastructure projects

Activity 1 Engage with all five (5) jurisdictions (County, Ft. Bragg, Point Arena, Ukiah, and Willits) to develop consistent broadband policies and guidelines

Proposed Use of Funds: Pay the consultant, EDFC for its work on this activity

Start Date: 07/01/2019

Completion Date: 06/30/2020

Deliverable: Produce a set of broadband policies and guidelines for subsequent adoption by the county and the four cities

Responsible Party: Diann Simmons, EDFC and Team Manager

Activity 2 Facilitate and Monitor Overall Project Implementation

Proposed Use of Funds: Pay the consultant, EDFC for its work on this activity

Start Date: 07/01/2020

Completion Date: 6/30/2022

Deliverable: Produce updates to be included in the Consortium's six-month and annual progress reports to the CASF that documents progress of this activity

Responsible Party: Diann Simmons, EDFC and Team Manager

Napa County Three-Year Project Plan

The wildfire events of October 2017 in Napa County and surrounding areas cast a spotlight On the crucial importance of a robust and resilient communications infrastructure, particularly as it supports safety communications. During the fire events, communications virtually stopped in many areas and some lost service completely.

Shortly after the fires, the NBNCBC Napa Team identified numerous "unserved" and "underserved" focus areas throughout the County, which could greatly benefit from the availability of new fiber infrastructure. As a consequence, **NBNCBC** requested and CASF approved to permit Napa to utilize its remaining CASF 2018 grant funds to engage a consultant to begin an assessment of the damage to the broadband infrastructure countywide in relationship to the overall economic recovery of the county and to identify opportunities to improve telecommunications systems and infrastructure to provide reliable, resilient service during an emergency.

Magellan Advisors was hired and completed the first of five major tasks in the scope of work with the 2018 CASF grant funds. This three-year project plans starts with Magellan completing the remaining four major tasks (activities) in Year 1. The County is bearing the costs of the first of the remaining task and the CASF Consortia grant is fund the final three by June 30, 2020.

For the second and third years of the CASF Consortia Grant, the Napa Team will take the results of the Magellan study and recommendations to pursue planning efforts for assistance with facilitating “last mile projects.

The following is a summary of Napa’s three annual work plans and budgets found Section 8 and 9 of this application.

OBJECTIVE 4 Conduct activities leading to infrastructure applications

Activity 1 Complete in-market field work and assessment of emergency telecommunications systems in fire impacted areas, and County identified priority areas.

Start Date: 06/01/2019

Completion Date: 8/31/2020

Deliverable: Magellan, the contracted consultant, will produce a report that documents its findings.

Responsible Party: Anthony Halstead, Assistant County Librarian and Team Manager

Activity 2 Assess fire-impacted areas' emergency telecommunications systems resiliency.

Start Date: 09/01/2019

Completion Date: 12/31/2019

Deliverable: Magellan, the contracted consultant, will produce a report that documents its findings.

Responsible Party: Anthony Halstead, Assistant County Librarian and Team Manager

Activity 3 Identify priority areas with opportunities to improve telecommunications infrastructure to increase service.

Start Date: 01/01/2020

Completion Date: 03/31/2020

Deliverable: Magellan, the contracted consultant, will produce a report that documents its findings.

Responsible Party: Anthony Halstead, Assistant County Librarian and Team Manager

Activity 4 Magellan will provide recommendations to Napa County with a funding scan of all potential state and federal grant funding, which could be applied for and used to augment the County’s infrastructure that it has identified to be deficient.

Start Date: 04/01/2020

Completion Date: 06/30/2020

Deliverable: Magellan, the contracted consultant, will produce a report that documents its findings.

Responsible Party: Anthony Halstead, Assistant County Librarian and Team Manager

OBJECTIVE 2 Identify potential CASF infrastructure projects, along with other funding opportunities, where ISPs can expand and improve their infrastructure and service offerings to achieve the goal of reaching 98% broadband deployment in each consortia region

Activity 1 Engage and work with existing and prospective Broadband Providers to learn of their current offerings and future plans to deploy broadband infrastructure and service to communities within the County.

Start Date: 07/01/2020

Completion Date: 12/31/2020

Deliverable: Produce a confidential report by 12/31/2020 that documents the results of these interactions and meetings.

Responsible Party: Anthony Halstead, Assistant County Librarian and Team Manager

OBJECTIVE 3

Assist infrastructure applicants and applicants for other funding sources, in the project development or grant application process for CASF and other infrastructure supporting grants

Activity 1 Assist Infrastructure Applicants in Project Development and, as requested, the CASF Grant Application Process and/or other funding opportunities.

Start Date: 07/01/2020

Completion Date: 06/30/2022

Deliverable: Produce updates to be included in the Consortium's six-month and annual progress reports to CASF that documents progress of this activity

Responsible Party: Anthony Halstead, Assistant County Librarian and Team Manager

Sonoma County Three-Year Project Plan

Sonoma County's share of the CPUC Consortia Grant would be expended pursuing some of the recommendations included in the ***Sonoma County Broadband Strategic Plan*** that would facilitate broadband construction and the implementation of specific broadband infrastructure projects to provide access to "unserved" communities in Sonoma County. Many of these recommendations require external resources and expertise that County staff are not able to do independently; therefore, CASF Consortia Grant funding would be used primarily to hire third party consultants to carry out the activities. The County of Sonoma will comply with all state and local laws, including competitive contracting procedures, to retain these consultants. The recommendations in the strategic plan call for funding to:

1. Formalize Broadband Friendly Policies and Standards
2. Formalize a Broadband Infrastructure Program to make use of broadband related assets.
3. Proof and Validate all Community Assets for Use in the Broadband Infrastructure Program
4. Planning for develop of County Fiber-Optic Backbone and Middle-Mile Network Design
5. Planning for possibilities to expand Connections to Regional Data Centers and Co-location Facilities
6. Planning for possible last-Mile Investment Framework and Facilitate Deployment of Next Generation Broadband Service Pursuing these recommendations fits into the following CASF Consortia Grant Objectives and activities:

OBJECTIVE 2

Identifying potential CASF infrastructure projects, *along with other opportunities*, where ISPs can expand and improve their infrastructure and service offerings to achieve the goal of reaching 98% broadband deployment in each consortia region

Activity 1: Develop a Municipal Broadband Business Plan that will identify infrastructure project and other opportunities (i.e., leverage funding, collaborating with other stakeholders)

Proposed Use of CASF Funds: Enter into a 2-3 year contract with a consultant to create a business plan for municipal broadband. The County of Sonoma will comply with its local competitive processes to search for appropriate consultants for these planning services. .

Start Date: 07/01/2019

Completion Date: 06/30/2022

Deliverable: Sonoma County Municipal Broadband Business Plan (Document)

Responsible Party: Calvin Sandeen, Sonoma County EDB and Team Manager

OBJECTIVE 3

Assisting infrastructure applicants in the project development or grant application process

Activity 1: Develop and implement cost-effective strategies for broadband deployment

Proposed Use of CASF Funds: Enter into a 2-3 year contract with a consultant to conduct an engineering analysis of conduit/fiber installation in County owned public right of way, particularly in Sonoma County's rural unserved areas. The County of Sonoma will comply with its local competitive processes to search for appropriate consultants for these planning services. The study would allow Internet Service Providers to have detailed planning material already in place to pursue state or federal construction grants for eligible areas. In addition, Sonoma County's Department of Transportation and Public Works could use the analysis to have a planning document for future roads projects to incorporate conduit and Dig Once opportunities.

Start Date: 07/01/2019

Completion Date: 06/30/2022

Deliverable: Engineering studies for strategic broadband corridors and last mile projects

Responsible Party: Calvin Sandeen, Sonoma County EDB and Team Manager

OBJECTIVE 4

Conducting activities leading to infrastructure applications

Activity 1: Support project permitting activities

Proposed Use of Funds: Hire a consultant to conduct an analysis of Sonoma County's current permitting requirements for broadband construction projects to identify issues raised by providers and potential inefficiencies impeding broadband deployment and how to streamline permitting for broadband infrastructure projects. The County of Sonoma will comply with its local competitive processes to search for appropriate consultants for these planning services.

Start Date: 07/01/2019

Completion Date: 6/30/2021

Deliverable: A document containing streamlined broadband infrastructure permitting standards for Sonoma County

Responsible Party: Calvin Sandeen, Sonoma County EDB and Team Manager

Activity 2: Conduct an inventory of public assets and aggregate demand

Proposed Use of Funds: Have a consultant create a database of County assets that could be utilized for broadband deployment. This could include analyzing the current condition of County owned Williams Telecommunications conduit as well as current state of public right of way along County roads showing which are feasible/unfeasible to deploy broadband, County communications towers, etc. The County of Sonoma will comply with its local competitive processes to search for appropriate consultants for

these planning services. This will be used and developed consistently on a rolling basis as a planning and engineering tool for implementation of broadband infrastructure.

Start Date: 07/01/2019

Completion Date: 6/30/2021

Deliverable: Database of broadband assets and GIS map

Responsible Party: Calvin Sandeen, Sonoma County EDB and Team Manager

NBNCBC-Specific Three-Year Project Plan

Within the overall **NBNCBC** three-year project plan “**Project 100/20 by 2025**” the foci of the NBNCBC-Specific project plan for the next three years are to:

- Engage and coordinate the work of the NBNCBC Oversight Committee;
- Ensure the CASF the annual work plans of the four counties are being executed as approved and within CASF Grant funding restrictions;
- Assist the county teams with data collection, analyses, mapping, surveys and speed testing;
- Provide county teams access to quality outside consultants retained through competitive local processes who can provide broadband policy, technical, engineering and financial expertise; and,
- Represent NBNCBC by participating, collaborating and interacting with CASF staff, regional consortia leaders, and other entities such as the California Broadband Council, RCRC, CASC, and CAFwd.

Given the counties are undertaking their own three-year project plans the NBNCBC-Specific project plan involves executing on activities, tasks, and deliverables in CASF Objectives #1, #4 and #6. These objectives and activities are going to be the same for each of the three grant years.

OBJECTIVE 1 Collaborate with the Commission and Various Entities

Activity 1 Engage and Collaborate with Commission

Proposed Use of Grant Funds: NBNCBC will not assess the CASF Grant for this activity. It is included here as evidence that we will be 100 percent responsive to all requests for assistance from CASF.

Start Date: 07/01/2019

Completion Date: 06/30/2022

Deliverable: Documentation of our collaboration will be included In the Six-Month and Annual Reports to CASF

Responsible Parties: Tom West, Consortium Manager

OBJECTIVE 4 Conduct activities leading to infrastructure applications

Activity 1 Manage and Oversee the CASF Consortium Grant

Proposed Use of Grant Funds: Sonoma EDB, as the Fiscal Agent for the NBNCBC grant, will be reimbursed indirect costs annually for its support of the Consortium at \$6,000 per year, or 4 percent of the total grant.

Start Date: 07/01/2019

Completion Date: 06/30/2022

Deliverables: The Six-Month and Annual Reports and Payment Requests to the CASF.

Responsible Parties: Tom West, Consortium Manager and Rebekah Heinze, Fiscal Agent Representative

Activity 2 Provide Support to the County Teams

Proposed Use of Grant Funds: Under contract for \$7,000 per year Chico GIC will be paid to provide **NBNCBC** and the county teams with data collection and analysis support, mapping and guidance in survey activities and speed testing projects. The Consortium Manager will also bring pro bono outside experts to assist the county teams.

Start Date: 07/01/2019

Completion Date: 06/30/2022

Deliverables: In the Six-Month and Annual Reports to CASF **NBNCBC** will include copies of the products Chico GIC has provided during that period.

Responsible Parties: Tom West, Consortium Manager/Chico GIC

OBJECTIVE 6 Audit and Public Workshops

Activity 1 Engage an Independent Auditor to conduct the Annual Audit

Proposed Use of Funds: Contract with an Independent Auditor to conduct an annual audit of our CASF Grant for \$7,000 per year.

Start Date: 07/01/2020

Completion Date: 8/31/2022

Deliverable: The Audit Report of the Independent Auditor

Responsible Parties: Tom West, Consortium Manager and Rebekah Heinze, Fiscal Agent Representative

Activity 2 Attend, Participate and Present (if requested) in CPUC sponsored workshops and invited meetings and conference calls

Proposed Use of Funds: CASF will be billed separately for our attendance at the Annual Workshop. All other participation will not involve any assessment to the CASF Grant.

Start Date: 07/01/2019

Completion Date: 6/30/2022

Deliverable: Attendance and Participation

Responsible Parties: Tom West, Consortium Manager and County Team representatives

As stated earlier, these project plans are presented in **SECTIONS 8 and 9** as annual work plans and budgets, as required by the CASF guidelines.

V. Requested Three-Year CASF Grant Funded Budget

Chart 1 below provides detail about the CASF Grant revenue and expenditure budget by CASF Objective for each of the three years.

A. Revenue

As shown in chart below **NBNCBC** is requesting a CASF Consortium Grant of \$150,000 per year or \$450,000 over three years.

B. Expenses

As shown in Chart 1 there will be **NO** expenditures to be charged to the CASF Consortia Grant for personnel; infrastructure projects, travel and meeting expenses, supplies and services; mailing and printing; or, other expenses.

Each county team intends use its share (\$32,500 per year per county team) of the overall **NBNCBC CASF Consortia Grant (\$150,000 per year)** to contract with outside consultants retained through compliance with state and local laws, including competitive contracting

procedures, to perform the activities in its project plan/annual work plans. The costs for Special Consultants engaged by the counties to assist in the execution of their annual work plans are charged to the CASF Consortia Grant. The total for Grant Year 1 is \$130,000; Grant Year 2 is \$130,000 and Grant Year 3 is \$130,000. The special consultant expenses are shown on Chart 1, by CASF Objective and by grant year. The more detailed break out of these expenses by activity and by grant year are being provided in **SECTION 8 and 9**.

The NBNCBC-Specific share (\$20,000 per year) of the overall **NBNCBC CASF Consortia Grant funds** will be used: 1) \$7,000 for Chico GIC to provide data analysis and mapping; 2) \$6,000 will be charged overhead against the CASF Grant to pay Sonoma EDB Foundation for its financial management services; and, 3) \$7,000 will be charged against the CASF Grant to pay for the annual independent auditor.

Chart 1-Three Year Expenditure Budget-CASF Consortia Grant							
	CASF Objective #1	CASF Objective #2	CASF Objective #3	CASF Objective #4	CASF Objective #5	CASF Objective #6	TOTAL
YEAR 1							
Marin-Consultants	\$12,500	\$10,000	\$0	\$10,000	\$0	\$0	\$32,500
Mendocino-Consultant	\$3,500	\$13,000	\$6,000	\$10,000	\$0	\$0	\$32,500
Napa-Consultant	\$0	\$0	\$0	\$35,000	\$0	\$0	\$35,000
Sonoma-Consultants	\$0	\$10,000	\$12,500	\$10,000	\$0	\$0	\$32,500
NBNCBC-Consultant	\$0	\$0	\$0	\$4,500	\$0	\$0	\$4,500
Indirect Overhead	\$0	\$0	\$0	\$6,000	\$0	\$0	\$6,000
Audit	\$0	\$0	\$0	\$0	\$0	\$7,000	\$7,000
Total Year 1	\$16,000	\$33,000	\$18,500	\$75,500	\$0	\$7,000	\$150,000
YEAR 2							
Marin-Consultants	\$10,000	\$7,500	\$5,000	\$10,000	\$0	\$0	\$32,500
Mendocino-Consultant	\$3,500	\$13,000	\$10,000	\$6,000	\$0	\$0	\$32,500
Napa-Consultant	\$0	\$15,000	\$15,000	\$0	\$0	\$0	\$30,000
Sonoma-Consultants	\$0	\$10,000	\$12,500	\$10,000	\$0	\$0	\$32,500
NBNCBC-Consultant	\$0	\$0	\$0	\$9,500	\$0	\$0	\$9,500
Indirect Overhead	\$0	\$0	\$0	\$6,000	\$0	\$0	\$6,000
Audit	\$0	\$0	\$0	\$0	\$0	\$7,000	\$7,000
Total Year 2	\$13,500	\$45,500	\$42,500	\$41,500	\$0	\$7,000	\$150,000
YEAR 3							
Marin-Consultants	\$10,000	\$0	\$7,500	\$15,000	\$0	\$0	\$32,500

Mendocino-Consultant	\$3,500	\$13,000	\$10,000	\$6,000	\$0	\$0	\$32,500
Napa-Consultant	\$0	\$0	\$32,500	\$0	\$0	\$0	\$32,500
Sonoma-Consultants	\$0	\$10,000	\$12,500	\$10,000	\$0	\$0	\$32,500
NBNCBC-Consultant	\$0	\$0	\$0	\$7,000	\$0	\$0	\$7,000
Indirect Overhead	\$0	\$0	\$0	\$6,000	\$0	\$0	\$6,000
Audit	\$0	\$0	\$0	\$0	\$0	\$7,000	\$7,000
Total Year 3	\$13,500	\$23,000	\$62,500	\$44,000	\$0	\$7,000	\$150,000
3 Year Total	\$43,000	\$101,500	\$123,500	\$161,000	\$0	\$21,000	\$450,000