North Bay/North Coast
Broadband Consortium

The North Bay/North Coast Broadband Consortium (NCBCBC)

1st Quarter Report
to the
CASF
July 1, 2014 – September 30, 2014

Submitted October 5, 2014

I. INTRODUCTION

The vision of the **NBNCBC** is to have the persistent digital divide in Marin, Mendocino, Napa, and Sonoma counties eliminated. The mission of the **NBNCBC** is to:

1) Develop a strategic broadband plan for each county based on "last mile" community needs, and integrate the county plans into a regional plan.

2) Determine current actual broadband access and adoption rates throughout the region.

3) Assess and aggregate unmet demand throughout the region, based on a county's ground-truth data.

4) Identify potential funding sources to improve broadband deployment and adoption rates throughout the region.

5) Encourage broadband service providers to use identified funding sources to improve broadband deployment and adoption rates throughout the region.

6) Work with broadband service providers to develop a long-term strategic plan for keeping broadband deployment and adoption standard, or above, throughout the region.

The primary goals of the Year 1 Annual Work Plan, Project Schedule and Budget are to:

• complete the development of community-based "last mile" plans for those unserved and underserved communities in each of the four counties; and,

• work with providers to facilitate the development, funding, and implementation of specific projects that will bring broadband infrastructure and services to these communities.

There are three measurable deliverables in the **Year 1 Work Plan.**

Deliverable #1 Produce a report covering each county's: 1) involvement of the wide range of stakeholders *(Activity 1.1*) and *(Activity 1.2)*; 2) completion of ground truth surveys validating broadband availability and access *(Activity 2.1*); and 3) status and progress in working with telecommunications providers to launch and implement projects that will provide broadband capabilities to serve 98 % of the county's households *(Activty 2.2)* and *(Activity 2.3)*.

Deliverable #2 Produce a report that includes: 1) a conceptual design for a countywide infrastructure plan for each county *(Activity 3.1)*; 2) an initial set of "last mile" conceptual designs for communities in each county *(Activity 3.2)*; and, 3) a conceptual design for a Region l Infrastructure Plan that links the county plans together *(Activity 4.1)*. This report and designs will be used as a guide for the implementation of infrastructure projects and as a yardstick to measure progress *(Activity 3.4)* towards the 98% household access goal.

Deliverable #3 Issue a progress report assessing the availability of and the needs for adoption programs in each county. *(Activity 5.1)*

These deliverables and the associated activities are shown in Chart 2.1 below. **NBNCBC** will measure its performance against these tasks and deliverables in the **Year 1 Work Plan** on a quarterly basis using the Chart 2.1.

II. SUMMARY OF THE 1ST QUARTER

There are six major activities in carrying out this two-year effort. Within each activity, there are several tasks to be executed. In the **Year 1 Work Plan** we are only dealing with the first five activities.

During this first quarter the primary work of NBNCBC and each of the counties has been focused on **Activity 1.1, Activity 1.2 and Activity 2.3**. As shown in the **Project Schedule, Appendix A**, we launched **Activity 2.1 and Activity 2.2** at the beginning of September. (NOTE: We did expedite the work on **Activity 2.3** given the sense of urgency to motivate telecommunications companies regarding undertaking projects in our unserved and underserved communities.

As depicted in the Project Schedule, **Activity 5** is scheduled to commence in October 2014; **Activity 3** is scheduled to commence in January 2015; and **Activity 4** launches in April 2015.

As shown in Chart 2.1, NBNCBC has achieved 65 percent of its target for **Activity 1 and Activity 2** during this first quarter**.** These two activities represent the major work to be accomplished by **NBNCBC** in this first year.

Chart 2.1 FY Year 1 Performance Measures: Outcome Metrics

DELIVERABLES	Projected Completion Date	1st Qtr % Achieved	2Qtr % Achieved	3Qtr % Achieved	4Qth % Achieved
Deliverable #1. Status and Progress Report on *Activity 1.1 and 1.2 and Activity 2.1, 2.2 and 2.3*	**6-30-15**	65%			
Deliverable #2. Status and Progress Report on *Activity 3.1, 3.2 and 3.4 and Activity 4.1.*	**6-30-15**	0%			
Deliverable #3. Report on the Availability of and needs for adoption programs *Activity 5.1*	**3-31-15**	0%			

It should be noted that Marin County has taken the **NBNCBC Year 1 Work Plan and Deliverables** as a guide and developed its own specific county- based Year 1 Work Plan to reflect its needs and priorities, but remain consistent with the overall **NBNCBC Year 1 Work Plan**. The other three counties are following the **NBNCBC Year 1 Work Plan.**

The following provides details on the tasks and outcomes achieved by NBNCBC, as a whole, and by each county this first quarter.

1. **Activity #1: ENSURE COMMUNITY INVOLVEMENT---Deliverable #1**
    1.1. Engage Community Leadership
        1.1.1. Meet, engage and seek input from County Supervisors;
        1.1.2. Meet engage and seek input from the leaders of cities, towns, census designated

places, and tribal communities;
1.1.3. Meet, engage and seek input from school, library, health care, public safety and government agency leaders;
1.1.4. Meet, engage and seek input from countywide advisory groups;
1.1.5. Meet, engage and seek input community and business groups; and,
1.1.6. Meet and inform community media (newspaper, radio, TV etc).

NBNCBC Consortium. As part of their participation in NBNCBC each of the four County Boards of Supervisors approved a Memorandum of Understanding (MOU) to have Sonoma County act as the financial agent to administer the CASF Rural and Urban Regional Broadband Consortia grant of $250,000 over two years. Each Board also appointed a County Supervisor to serve on the NBNCBC Oversight Committee. The members of the Oversight Committee are Steve Kinsey, Marin County; Dan Hamburg, Mendocino County; Diane Dillon, Napa County; and, Efren Carrillo, Sonoma County. Tom West, the Consortia Manager, serves as the non-voting chair. Through the members of the Oversight Committee the interests of all the constituents of each county are represented.

Day to day operations of NBNCBC are carried out by a Management Team that includes the Consortium Manager and a County Manager and Deputies for each county. The members of the Management Team are Peter Pratt, Barbara Layton and Barbara Thornton, Marin; Jim Moorehead, Mendocino; Anthony Halstead, Napa; Mike Nicholls and Steve Sharpe, Sonoma; and, West and Trish Steel for NBNCBC.

Most of the work of NBNCBC is carried out at the county level. Each county has an advisory group or a task force driving the work.

The Oversight Committee will meet officially on a quarterly basis, or as needed. Each county manager is keeping his Oversight Committee member informed on an ongoing basis; often meeting on specific topics.

The NBNCBC Management team meets at least once a month and often has special conference calls between meetings. Email exchanges occur daily keeping team members aware of ongoing activities in each of the four counties.

A press release was issued by NBNCBC in July announcing its formation and the CASF grant and published in local media.

Marin County. The Marin Broadband Task Force (MBTF) is comprised of senior representatives of the leading governmental agencies in Marin County with administrative, legislative, operational, and regulatory oversight of telecommunications matters within the County and its municipalities.

MBTF, organized by Supervisor Steve Kinsey (District 4), is comprised of representatives from three (3) agencies of Marin County government (County Administrator's Office, Information Services and Technology Department, and

Department of Public Works), and the Marin Telecommunications Agency (MTA), a joint powers agency comprised of the County and 10 of its 11 cities and towns. Supervisor Kinsey's office provides support internally to County stakeholders, and externally to the other counties within NBNCBC.

These inter-agency resources, together with a retained consultant specialized in federal – state broadband subsidies and optical fiber network development, give MBTF the ability to continue to reach out to Marin's underserved communities, regional providers, and multiple agencies to ensure the community involvement and leadership necessary to address the access and adoption challenges in Marin.

Mendocino County. The Broadband Alliance of Mendocino County (BAMC), the county's lead advisory group in NBNCBC, has been working closely with County Supervisors; Supervisor Hamburg, the county's representative on the NBNCBC Oversight committee attended the BAMC meetings in June and August; County Executive Office staff attended in July and August; Mike Nicholls represents Access Sonoma Broadband; and, County supervisor candidates have made contact and have requested information about BAMC and NBNCBC efforts.

A County Office of Education representative attended meeting in June, July, and August and a candidate for county superintendent attended meeting in August; Public Safety Communications Committee/Alliance liaison attended meetings in June and August; Business leaders from EDFC, West Co, and NorBAR attended meetings in June, July and August; Field representatives for Congressman Huffman attended August meeting; Outreach to Cahto, Manchester Pomo, Pinoleville, and Hopland tribes with press release and meeting request for assessing broadband needs; outreach to interim library director regarding library e-rate contracts and for meeting and discussion of library needs; facilitated contact between Long Valley Health Clinic and ATT engineer for fiber connection to clinic.

Media sent NBNCBC press release on 7/3/14 to 40 media contacts (newspapers, radio, community bulletin boards).

Napa County. After approval of grant funding, Napa put together an internal working group consisting of a point person, Anthony Halstead, Napa County Library, ITS Head, Jon Gjestvang, a Board of Supervisor representative and one other member of the ITS Dept.

Our county approved the MOU appointing Sonoma County as the financial agent to administer the CASF Rural and Urban Regional Broadband Consortia grant on September 23. Additionally, our county changed its Supervisor representative to the Oversight Committee from Brad Wagenknecht to Diane Dillon. This change was made, in part, due to the fact that the area she represents has a greater need for additional broadband deployment.

Sonoma County. Access Broadband Sonoma (ASB) is the lead broadband advisory group in Sonoma County. The Oversight Committee Supervisor member regularly meets with the ASB co-chairs and attends ASB meetings; all Supervisors are aware of project and county commitment; and, recent Board of Supervisors agenda items have included the broadband program updates.

ASB has secured input from The Sea Ranch, Joy Road, Cazadero, Mayors of Santa Rosa, Healdsburg and Cloverdale, Kashia Band of Pomo Indians, other rural residential communities and have notified rural residents regarding funding programs and opportunities for deployment.

ASB has met with Sonoma County Office Education Board, the Library, RRARA (Health Care), West County Health Services, Cazadero CSD and VFD. Sonoma County Fire Districts Association, Sonoma County departments – County Administrator, Fire and Emergency Services, Transportation and Public Works, Sheriff, Sonoma County Water Agency, Health Services, Community Development Commission, Permit and Resources Management Department, and the Mendocino County Planning Department.

ASB has engaged and sought input from the Economic Development Board, the Economic Development Board Foundation, Sonoma County Planning Agency, NorBAR, and Russian River Rotary.

There have been several news articles about the broadband efforts in the *Santa Rosa Press Democrat, Russian River Gazette, West Sonoma County Times, Marin Independent Journal, and County Association Magazine*.

1.2. Maintain Community Commitment throughout the Life of the Project
1.2.1. Conduct annual briefings of the county supervisors;
1.2.2. Hold quarterly meetings of the Oversight Committee;
1.2.3. Meet regularly with countywide advisory groups;
1.2.4. Meet "in-person and hold "open" conference calls with interested groups in each of the counties to discuss and seek input on specific issues and opportunities;
1.2.5. Maintain a web site;
1.2.6. Publish an electronic newsletter quarterly;
1.2.7. Issue special reports, as appropriate;
1.2.8. Issue proactive news releases, as appropriate; and,
1.2.9. Form ad hoc task forces, as needed.

NBNCBC Consortium. There have been a few memoranda from the Management Team that have been copied to the Oversight Committee during this first quarter. Mostly these memos to the Oversight Committee members deal with specific issues. At the same time each county manager makes personal contact with the Supervisor to answer any questions.

The first official Oversight Committee meeting is scheduled for October 3, 2014.

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Future meetings are planned for December, March and June.

NBNCBC does not maintain an independent web site. It relies on the BAMC web site to host its official information. The other counties also may post NBNCBC Information.

The first quarterly electronic newsletter will be issued by the end of October.

Marin County. Media reporting on the Commission's approval of NBNCBC and Marin County's role in organizing the new Consortium generated a favorable editorial in the local newspaper of record, *The Marin Independent Journal*, on August 18.

With the title *It's About Time to Connect the Entire County*, the paper's editors wrote, "According to the California Public Utilities Commission assessment of broadband access, 3.2 percent of our county in unserved or unserved." The editorial concluded, "Without the regional consortium's leadership, communities that are unserved or underserved will be left stranded on the side of the road of the (information) superhighway."

The editorial followed by a day a news article on the CPUC's approval and funding of the NBNCBC group itself. Running under the headline *Marin Joins Four-County Effort to Expand Broadband Access*, the article was co-written with a reporter from Sonoma's *Press Democrat* newspaper which routinely covers the activities of the Access Sonoma Broadband.

The MBTF will continue to conduct outreach to Marin's broadband stakeholders and the media.

Mendocino County. County Supervisors are frequently briefed and participate in and/or are made aware of current BAMC and NBNCBC events; BAMC meetings are held the first Friday of every month; BAMC has a well-established website that now also hosts NBNCBC 's official information; Media also well briefed on BAMC and NBNCBC activities; and, BAMC is working with communities in regards to organizing for broadband and current needs (underserved and unserved areas), and has incorporated this information into county priority areas.

BAMC and Access Sonoma Broadband also network with other rural broadband advocacy groups, and recently submitted comments at the national level to the FCC on issues related to state restrictions on broadband networks and net neutrality rules.

Napa County. Anthony Halstead, the NBNCBC County Manager for Napa, has met with the Napa Working Group on a regular basis during the quarter. He has also briefed Supervisor Wagenknecht on activities of the NBNCBC Management Team. Recently he has provided updates for the newly appointed Oversight Committee Member, Supervisor Diane Dillon.

Sonoma County. Regular updates are provided to the Board of Supervisors along with action items and with Economic Development ad hoc Committee briefings. The next briefing will be scheduled following the end of the second quarter – January 2015.

ASB meets monthly. The co-chairs of ASB regularly attend community events such as festivals, political rallies and community association meetings to discuss the broadband needs throughout the county. ASB maintains an up to date website under auspices of County of Sonoma Economic Development Board.

ASB has developed relationships with key reporters at county newspapers – news is being reported on a timely basis.

An ad hoc task force, the Joy Road Connect Group, has been established to explore undertaking a community based fiber project. Sea Ranch is already developing a FTTH project, independently of ASB and NBNCBC. The Sea Ranch project will connect 2000 households with fiber. They have already selected a vendor.

2. **Activity #2: ASSESS, DOCUMENT AND MONITOR THE UNMET BROADBAND NEEDS THROUGHOUT EACH COUNTY**
   2.1. **Assess the Broadband Demands and Needs of all the Communities throughout each County--- Deliverable #1**
   2.1.1. *Initiate the Ground Truth Surveys, using the CPUC process, in Marin and Napa counties first focusing on the unserved and underserved communities, as reported by CPUC reports and continue working towards a complete county assessment of broadband needs;*
   2.1.2. *Extend the use of the CPUC Ground Truth Survey process already underway in Mendocino and Sonoma counties working towards a complete county assessment of broadband needs; and,*
   2.1.3. *Compile a progress report for each county of its finding as a result of the ground truth surveys.*

NBNBC Consortium. Appendix 4 in Resolution T-17443 lists 182 priority areas submitted by the regional consortia as being unserved or underserved priority areas. However, based on the California Broadband Availability Map, only 68 of these priority areas are considered unserved or underserved and currently eligible for CASF grants. Of course, some of these 68 areas may be removed from the list if existing facilities based providers commit by November 1, 2014 to upgrade their networks by next May 1, 2015.

Using its mapping data CPUC designated 114 of the 182 priority areas as being "served" based on:
• 10 priority areas using only wireline;

• Seven (7) priority areas using fixed wireless and mobile wireless;
• Three (3) priority areas using all three technologies;
• 34 priority areas using wireline and mobile wireless; and,
• **60 priority areas use only mobile wireless.**

NBNCBC had submitted 30 priority areas to the CPUC and designated them as either unserved or underserved. Based on the California Broadband Availability Map, 22 of these priority areas are designated as "served", including 13 priority areas that are only reached by mobile wireless service.

As noted, over 50 percent of the NBNCBC priority areas, as well as all of the submissions of the other regionals, are designated as "served" based on only having mobile wireless service. We believe this skews the reality of broadband infrastructure deployment throughout California. We expressed our concern in a July 16 letter to Zenaida Tapawan-Conway that standalone mobile wireless does not qualify as a replacement for fiber-based broadband infrastructure to serve households, but only as a complement.

As stated in our letter the significant designation differences between what NBNCBC submitted as unserved and underserved priority areas and the providers reported to the CPUC as being served raised questions including *"What rationale was used by the CPUC to justify having standalone mobile wireless technology qualify a geographic area to be designated as "served'?* The CPUC responded by stating that the Commission had made that decision and it was not going to change. They suggested the best recourse for NBNCBC was to prove that the provider advertised speeds in the California Broadband Availability Map for specific priority areas were not correct through ground truth testing evidence.

Thus, NBNCBC has launched an extensive Ground Truth Testing project. The project is being conducted in three phases. The Ground Truth Testing project is being conducted by CSU Chico GIC using the CPUC's standing protocol.

In Phase 1 tests were conduct tests in the 13 of 30 priority areas in Marin, Sonoma and Mendocino which are only serviced by mobile wireless and have been designated as "SERVED" in the California Broadband Availability Map. As part of this testing mobile wireless in Dry Creek, Sonoma County was undertaken. The following are the areas that were tested in Phase 1.
   Ocean Meadow Drive – 2
   Muir Beach CDP – 3
   Dillon Beach CDP – 8
   Point Reyes CDP – 8
   Stinson Beach CDP – 8
   Bolinas CDP – 10
   Cazadero CDP – 10
   Inverness CDP – 10
   Joy Rd Area – 10
   Nicasio Area – 10

Sherwood Rd/Willowbrook – 10
Sea Ranch CDP – 11
A – Point Reyes – Stinson Beach Area – 3
Dry Creek

Chico GIC analyzed the data and developed a report. Once the NBNCBC Oversight Committee reviews the report it will be submitted to the CPUC, if the Oversight Committee and individual counties determine the tests are valid.

Phase 2 will involve testing the remaining eight (8) priority areas in Mendocino plus some additional areas that are shown to be "Underserved" on the California Broadband Availability Map. The existing areas include: Branscomb, Gualala, Albion, Pacific Reefs, Fort Bragg, Road 409, Road 408, and Laytonville. Others areas may be added for testing as determined by BAMC in October.

Phase 3 will involve developing priority areas for Napa in September and October and then testing those areas which are serviced by mobile wireless in Mid-November.

Marin County. The inclusion of mobile wireless data in the published Priority Areas of Commission Resolution T-17443 'converts' all 4 underserved and unserved communities of West Marin to "served" designation. Marin is the only county in NBNCBC to experience such a 100% conversion rate. For this reason, Marin has been in the forefront of demonstrating to CPUC staff the sampling flaws in its field testing to date, and in stating that the Commission made a material and substantive error in its inclusion of mobile wireless data in its working definition of broadband availability, under a previous Resolution.

The Marin Broadband Task Force will make recommendations to County government how to proceed to ensure that the Commission corrects this error in broadband funding policy. It is policy which is at variance with funding criteria of the Federal Communications Commission (FCC), and of most other states that provide capital subsidies for broadband infrastructure.

Mendocino County. BAMC conducted a survey on internet, landline and cellular service disruption during recent two-day outage with over 700 responses and personal follow-up calls with 150 more people; a preliminary Incident report was prepared and distributed to public media; a BAMC representative attended local farmers markets in July to generate participation in the CPUC broadband survey (issues with addresses not locating); and, attended CalFire meetings to determine level of service disruption during recent outage.

Supervisor Dan Hamburg and BAMC Chair, Jim Moorehead, attended a meeting in Ukiah with Congressman Jared Huffman on July 18th regarding the AT&T fiber cut. Attendees included representatives from Comcast, AT&T, Sheriff Tom Allman, Randy MacDonald of the County Fire Chief's association comm. committee, Sage Statham MCN manager and a few staffers.

Napa County. The Napa Working Group reviewed the broadband maps provided by the CPUC and identified areas that were unserved or underserved that would benefit from ground-truth testing based on their population density and/or planned development, both residential and industrial. We anticipate that these locations will be tested later this year by Chico State staff and have scheduled in-person meeting on October 8 to review.

Sonoma County. Ground truth testing on all Sonoma County priority area has been completed and was performed in tandem with independently contracted , third party, Chico GIC personnel. The co-chair of ASB has also performed additional independent testing utilizing CALSpeed. These data will augment the official NBNCBC report.

2.2. Consult and Involve Major Service Entities in each County— Deliverable #1

2.2.1. Engage with the County Office of Education (COE) to understand the broadband needs and long range plans for providing the school districts and schools access to broadband connections back to the COE;

2.2.2. Work with the County Library (LIBRARY) to understand its broadband needs and long range plans for providing the branch libraries access to broadband connections back to the County Library and through the Library to other libraries in the region and statewide;

2.2.3. Work with the major County Public Safety Answering Point (PSAP), under California's Statewide Interoperability plan, to understand the broadband needs and long range plans for providing all the PSAPs in the county access to broadband connections back to the County PSAP and through this backbone to all other County PSAPs statewide;

2.2.4. Work with all the health care facilities in the county to understand the broadband needs and long range plans;

2.2.5. Work with the County and municipal government IT organizations to determine their broadband needs and plans;

2.2.6. Work with incorporated city councils, community services districts and other government entities to ensure their broadband needs are incorporated; and,

2.2.7. Produce a written document that reports the progress and status of implementing the broadband plans of these special services entities.

NBNCBC Consortium. This activity and the sub-activities are carried out at the county level.

Marin County. Particularly through the representatives of Marin County's Department of Public of Works and Information Services Department on the Broadband Task Force, the broadband planning body is examining strategies for the eventual deployment of a 'dark fiber' optical middle mile / access network serving the major community anchor institutions (CAIs) of Marin's public sector agencies.

If this planning successfully 'proves in' the financial viability of such a network in

the high demand core of CAIs, the Task Force will further determine if the same strategy can be used to support middle mile / backhaul network deployments to assist providers working to bring broadband services to West Marin's underserved Priority Areas.

Mendocino County. See 1.1 above; There has been a BAMC outreach to the MCOE, Library, Public Safety, Health facilities, county and city governments with strong participation from most of these groups. Major service entities have also been engaged (see 2.3 below).

Napa County. There were no contacts made during this quarter. The plan is to engage these groups once the ground truth testing is completed in the county.

Sonoma County. Sonoma County Office of Education (SCOE) attended an ASB meeting and reviewed the status of school connectivity. Two schools in county still lack high-speed broadband connectivity back to SCOE (Ft. Ross and Kashia). ASB co chair attended and presented at a SCOE Board meeting. Additional outreach will be conducted in the second quarter.

A meeting with the County Library Director was held on 9/30. The plan is to invite Public Safety to present their plan to ASB in November. With regard to health services, the concentration of ASB efforts has been focused on West County and North County groups. ASB will be present at the upcoming Guerneville Health Dair.

ASB has been meeting with the Cazadero Community Service District, Sonoma County Regional Parks, Ft Ross State Park, and Armstrong Woods State Park.

2.3. Involve and Work with Telecommunications Providers--- Deliverable #1

2.3.1. Initiate meetings with current major and local telecommunications providers, wireless ISPs, and cellular providers in the county to learn of their current offerings and future plans to deploy broadband to the communities throughout each of the four counties;

2.3.2. Determine the interest of each company in cooperating in this project;

2.3.3. Assess whether or not their current assets and future plans can be utilized to help meet the broadband needs in the counties and communities they serve;

2.3.4. Confirm those providers that do have such assets and are willing to work with the consortium in designing and implementing infrastructure plans to meet the needs countywide and in the communities they serve; and,

2.3.5. Produce a report that documents the results of these interactions with the providers.

NBNCBC Consortium. As depicted in **Table 1.0,** NBNCBC has identified 30 priority areas across three counties, Marin, Mendocino and Sonoma that we have rated as unserved or underserved. We are still working on identifying the priority areas in Napa County. **Table 1.0** was extracted from the Appendix 4 spreadsheet that is

included in the CPUC's **Resolution T-17443 Implementation of New Timelines for California Advanced Services Fund.**

Fifteen (15) providers that service these areas are being invited to meet with us to ascertain what their plans are to implement infrastructure and offer services in any of these priority areas. Table 1.0 shows the status of this activity. As you can see AT&T and Verizon, the two major providers in this region, rejected our invitations to meet. T-Mobile, the third largest provider has not responded to our invitation and attempts to follow-up.

On the other hand, Comcast, Sonic, U.S.Cellular and WillitsOnline have met with us and have indicated a willingness to work with BAMC and NBNCBC.

We are still working on the remaining providers.

	Table 1.0
NAME OF THE COMPANY	**NBNCBC PRIORITY AREAS COVERED**
AT&T MOBILITY	**Irish Beach (M), Manchester (M), Point Arena (M), Dry Creek (M), Ocean Meadows (M), Nicascio(M), Dillon Beach(M)), Inverness (M), Point Reyes Station (M), Fort Bragg (M), Joy Road (M), Cazedero (M), Point Reyes-Stinson (M), Bolinas (M), Muir Beach (M), Stinson Beach (M), Laytonville (M)**
AT&T-PACIFIC BELL	**Dry Creek (W), Point Reyes Station (W), Fort Bragg (W), Mendocino 408 (W), Bolinas (W), Muir Beach (W), Stinson Beach (W)**
CENTRAL VALLEY CABLE TV	**Irish Beach (W), Manchester (W), Point Arena (W), Gualala (W)**
COMCAST COMMUNICATIONS	**Ocean Meadows (W), Albion (W), Pacific Reefs (W), Fort Bragg (W), Caspar & Prairie Way (W), Mendocino 408**
DIGITAL PATH	**Dry Creek (F)**
INTEGRA TELECOM (Electric Lightwave)	**Dry Creek (W)**
MEGAPATH CORP.	**Dry Creek (W), Muir Beach (W)**
METRO PCS AWC LLC.	**Cazadero (M)**
101 NETLINK	**Mendocino (F), Ocean Meadows (F), Laytonville (F)**
SPRINT NEXTEL CORP.	**Dry Creek (M)**
SONIC	**Dry Creek (W), Mendocino 408 (W)**

T-MOBILE USA INC.	**Dry Creek (M), Ocean Meadows (M), Inverness (M), Fort Bragg (M), Caspar & Prairie Way(M), Joy Road (M), Point Reyes-Stinson (M, Bolinas (M), Muir Beach (M), Stinson Beach (M),**	
U.S CELLULAR CORP.	**Irish Beach (M), Rancho Navarro (M), Elk (M), Manchester (M), Laytonville (M)**	
VERIZON CALIFORNIA INC.	**Jenner (W)**	
VERIZON WIRELESS (CellCo Partnership)	**Dry Creek (M), Branscomb (M), Ocean Meadows (M), Gualala (M), Nicasio (M), Dillon Beach (M), Inverness (M), Point Reyes Station (M), Pacific Reefs (M), Fort Bragg (M), Caspar & Prairie Way (M), Mendocino 408 (M), Sherwood Road/Willowbrook (M), Joy Road (M), Cazedero (M), Point Reyes-Stinson (M), Bolinas (M), Muir Beach (M), Stinson Beach (M), Sea Ranch (M), Laytonville (M)**	
VISTA BROADBAND NETWORKS INC.	**Dry Creek (F)**	
WILLITS ONLINE		
Invitation to meet rejected by provider	M-Mobile	
Met provider and provider willing to participate	F-Fixed Wireless	
Contacted awaiting response	W-Wireline	
Yet to be Contacted		

Marin County. MBTF members have conducted ascertainment and liaison activities with 3 of the 4 broadband / telecommunications facilities-based service providers that are owned and operated as local in-county firms. The Task Force has also worked with a community-based organization planning a fiber-to-the-premises (FTTP) network.

All of these firms and the community group are located in rural West Marin, the low density area of the County holding all 4 Priority Areas (PAs) reported to CASF staff as Marin's underserved / unserved priorities for infrastructure investment.

The firms and the organization the Task Force has engaged with are:

Horizon Cable, Inc. is the franchised CATV Operator serving the communities of Bolinas, Inverness, Pt. Reyes, and Stinson Beach.

Muir Beach LAN and Tomales Bay LAN are separately branded and commonly operated investor-owned wireless Internet Service Providers (WISPs) serving the two Community Service Districts (CSDs) in the southerly and northerly reaches of coastal West Marin.

The Nicasio Landowners Association is a long term community organization of ranch and residential property owners in and around the unincorporated hamlet of Nicasio.

MBTF has reviewed the funding opportunities and regulations of the CASF Program with each entity, while also describing the Broadband Availability characteristics of their communities. As this report is filed, we will be reviewing with each the results of the recent field testing in our 4 Priority Areas.

MBTF members will conduct our first ascertainment with our fourth in-county facilities-based provider, Web Perception of Novato. The WISP provides services to locations in unserved West Main communities, and is a vendor to the County's Information Services and Technology Department (IST).

Additionally, with the support of the CPUC's Communications Division staff, the Task Force has examined the potential funding sources within the CASF public housing broadband program for Marin's public housing facilities in both our urbanized and rural areas. In the latter category, the Task Force is researching the availability of program and project funding from the U. S. Department of Agriculture (USDA) for broadband infrastructure in rural agricultural worker housing.

Mendocino County. Owners/founders of the following local WISPs and ISPs have attended meetings in July-Sept of 2014: Ukiah Wireless, Ring Nebula, WillitsOnline. In person meeting planned for fall between NBNCBC and Willits Online and Mendocino Community Network. Distribution of information re: planning commission meeting and revision of wireless guidelines for Mendocino County, inviting participation and input in the process, sent to 17 local providers on 8/25/14.

Napa County. A Napa representative participated in the meetings with Comcast and Sonic Net. Both providers do business in Napa County. Once the ground truth testing is done in the county these providers and others will be engaged to determine their interest in providing infrastructure and services to the priority areas that are identified ad unserved or underserved.

Sonoma County. Verizon, AT&T, Comcast, Sonic, and Vibranz have attended ASB meetings. Sonic was the only provider to share future plans. Verizon expressed no interest in participating in any discussion. AT&T indicated slight interest in sending personnel to meetings, however, would not disclose future plans, other than a broad statement their future is based on mobile wireless.

Sonic engaged thoroughly with ASB, as did Vibranz. Only Sonic and Vibranz have confirmed they will work with the consortium in design and implementation.

There have been preliminary discussions with Vibranz on servicing Jenner coastal beaches, dependent upon open space covenant restrictions allowing a repeater antenna site. A meeting with Supervisor Carrillo was held September 30[t] to urge the County Agricultural Preservation and Open Space District to move positively.

3. **Activity #3: INCORPORATE THESE BROADBAND NEEDS INTO COUNTYWIDE AND COMMUNITY-BASED PLANS**

    3.1. Develop a Countywide Plan based on the Assessed Needs-- Deliverable #2
    THIS ACTIVITY IS TO BE STARTED IN JANUARY 2015.

    3.2. Assist Communities to Develop and Implement Access Plans—
    Deliverable #2
    THIS ACTIVITY IS TO BE STARTED IN JANUARY 2015.
    3.3. Develop Time-Action Plan for Implementation
    NO TASKS IN YEAR 1 WORK PLAN.

    3.4. Facilitate and Monitor the Overall implementation of these County and Community-based Broadband Plans
    THIS ACTIVITY WILL START IF AND WHEN SOME PROVIDER LAUNCHES A PROJECT.

4. **Activity #4: INTEGRATE THE COUNTY INFRASTRUCTURE NEEDS AND PLANS INTO A REGIONAL PLAN OF ACTION---Deliverable #2**

    4.1. Aggregate the Broadband Needs of the Counties into a Regional Needs Statement
    4.1.1. Collect, organize and analysis the county broadband needs to determine the interfaces at the county boundaries;
    4.1.2. Working with the confirmed providers start developing a regional conceptual design based on the broadband needs throughout the county;
    4.1.3. Working with providers create a preliminary conceptual design;
    4.1.4. Assess the gaps in the current infrastructure;
    4.1.5. Develop preliminary cost estimates to complete this conceptual design;
    4.1.6. Review the preliminary design and cost estimates with county leaders and participating telecommunications providers;
    4.1.7. Modify preliminary design and costs; and,
    4.1.8. Produce and share the conceptual design for the region.

    4.2. Develop Time-Action Plans for the Implementation of the Regional Plan
    NO TASKS IN YEAR 1 WORK PLAN.

    4.3. Facilitate and Monitor the Implementation of the Regional Plan
    NO TASKS IN YEAR WORK PLAN.

5. **Activity #5: DEVELOP AND IMPLEMENT ADOPTION AND TRAINING PLANS AND PROGRAMS--- Deliverable #3**

5.1. Update Data on Existing Adoption and Training Programs

THIS ACTIVITY IS TO BE LAUNCHED IN OCTOBER WITH REPORT DUE MARCH 31. 2015.

<u>**Marin County.**</u>   Support of broadband adoption programs is a specific charge to the Marin Broadband Task Force (MBTF) by both the County Board of Supervisors and the Marin Telecommunications Agency (MTA). For this reason, MBTF has launched adoption support in 2 of our 3 target communities. Appropriations of the County in the FY'15 budget and of MTA, derived from Multichannel Video Services Provider franchise fees, fund these activities.

The three (3) communities identified for adoption program work are: The Canal Area neighborhood in San Rafael, the Hamilton section of Novato, and Marin City in the unincorporated area of Southern Marin.

MTA Executive Officer Barbara Thornton has met with representatives of the Marin City community to review and update adoption programs. Included in this effort is MTA's review of recent changes to the Internet Essentials adoption program of Comcast, 1 of 3 franchised video providers in Marin.

Supervisor Kinsey's District Staff Aides and NBNCBC's Marin County Manager have conducted an initial round of ascertainment with the Associate Executive Director of The Canal Alliance, the well-regarded community organization dedicated to the needs of residents of the San Rafael's Canal Area. The Alliance has developed plans for a community based mesh network / WiFi network, and for a variety of adoption programs in its community.

5.2. Develop Implementation Plans for Adoption Programs

NO TASKS IN YEAR 1 WORK PLAN

6. **Activity #6: EVALUATE THE PERFORMANCE OF THE CONSORTIUM**

NO TASKS IN YEAR 1 WORK PLAN