

Quarterly Report and Payment Request Transmittal Letter and Declaration

California Advanced Services Consortia Program

**Quarterly Report and Payment Request
Transmittal Letter and Declaration**

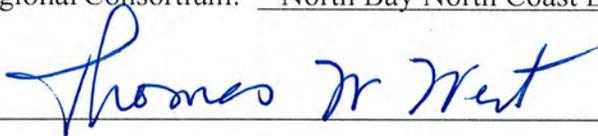
To: CASF Consortia Grant Administrator

Attached are the Quarterly Report and/or Payment Request for:

Work Plan Year: 2017 Quarter: 2nd

I declare under penalty of perjury under the laws of the State of California that, to the best of my knowledge, all of the statements and representations made in this Quarterly Report are true and correct.

Regional Consortium: North Bay North Coast Broadband Consortium

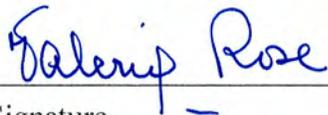


Signature

Thomas West, Project Manager

Print Name and Title

Date: 7/14/2017



Signature

Valeria Rose, Fiscal Agent

Print Name and Title

Date: 7/14/17

**MARIN County 2nd Quarter Report for
CASF Funded Activities
April 1, 2017-June 30, 2017**

THE FOLLOWING ARE THE CASF FUNDED ACTIVITIES EXTRACTED FROM THE COMPLETE MARIN COUNTY WORK PLAN WITH NARRATIVE. IT IS AVAILABLE UPON REQUEST.

MARIN COUNTY WORK PLAN-GRANT YEAR 1-- 2nd Quarter April 1, 2017-June 30, 2017					
CASF Funded Activities/Tasks	Start Date	Completion Date	% thru Q2	Outcomes or Deliverable	CASF Grant Fund Payment
Activity #4. - Network Development & Financing Models	1-Jan-17	31-Dec-18	45%	Deliverable--- Issue a quarterly progress report on Activities 4.1 and 4.2	
				Consultant: Commnexis, Inc.:	\$ 2,227.50
4.1 Support Nicasio & Additional Community Private Funding, under SCOR Offering				Produce a Report on Public/Private Financing Models (4.1 and 4.2 combined).	
4.1.1 Provide support, on demand, for Nicasio SCOR offering.	1-Jan-17	30-Jun-17	100%	Inyo required by CPUC to complete by 07/14/2017 (Resolution T-17523)	
4.1.2 Work with Inyo Networks and community groups to roll-out SCOR offering for additional West Marin network build projects.	1-Jan-17	31-Dec-17	70%	MBTF, as described in our narrative, below, is engaged with the Bolinas Community Public Utility District (BCPUD) in this regard.	
4.2 Public, Private Partnership Network Development Financing Models	1-Jan-17	31-Dec-17		Produce a Report on Public/Private Financing Models (4.1 and 4.2 combined).	
4.2.1 Integrate SCOR offering into available public funding streams to design P3 funding models.	1-Jan-17	31-Dec-17	25%	Deploy P3 funding model to support construction launch of Nicasio Broadband Network.	
4.2.2 Support new financing models, based on work in this Activity.	1-Jan-17	31-Dec-17	30%	Deliver model to other communities.	
<p>Quarterly progress Report Thanks to the work of the Nicasio Landowners Association (NOLA), and CASF grant awardee Inyo Networks, Inc. (U-7159, Inyo hereunder), we are very pleased to report that we have reached full completion on Marin County's Task 4.1. Support Nicasio & Additional Community Private Funding. Under the NOLA - Inyo negotiated process, 100% of the CPUC-mandated 'local match' requirement of raising \$994,000 has been secured successfully.</p> <p>This fundraising requirement is a mandated material part of the award to Inyo under Resolution T-17523 (Ppg. 8-9; 15) of the Commission, dated July 14, 2016.</p> <p>With this important milestone reached, the Nicasio Broadband Network Project (NBN) deployment has moved from the final funding stage, and now fully into the permitting, network design, and pre-construction operational stages. Completion of the fundraising cycle was completed during June, and Inyo immediately ramped-up its activities focused on these operational tasks. In order to support Inyo and the Nicasio community to continue to move the Project along, the Marin Broadband Task Force (MBTF) will defer until at least Q3 our final report on the Public/Private financing model developed with the completion of Task 4.1.</p> <p>Reporting by MBTF is not intended to substitute for the separate reporting that Inyo, as the CPUC-CASF Program awardee engages in with CPUC staff. We do note at this time that the specific nature of the financial instrument developed jointly by NOLA and Inyo is distinct from the "SCOR Offering" in MBTF's Work Plan tasking. That distinction, between the SCOR (Small Company Offering Registration) instrument and the subscriber pre-payment vehicle used was defined by significant legal work and bilateral negotiations by NOLA and Inyo.</p> <p>We believe our final report will assist other communities to set-up frameworks and models of how private funds may best be raised, to match CASF-Infrastructure Account awards, for rural broadband networks in California.</p>					

**MARIN County 2nd Quarter Report for
CASF Funded Activities
April 1, 2017-June 30, 2017**

CASF Funded Activities/Tasks	Start Date	Completion Date	% thru Q2	Outcomes or Deliverable	CASF Grant Fund Payment
Activity #6. Funding Program Application Support	1-Jan-17	31-Dec-17		Deliverable ---Produce a quarterly report on Activities 6.1, 6.2 and 6.3	
				Consultant, Commnexus, Inc.:	\$ 5,197.50
6.1 Support Funding Applications in West Marin Proposed Funded Service Areas	1-Jan-17	31-Dec-17		Produce Quarterly and Year End Progress Report on PFSA's	
6.1.1 Plan for project phasing for remaining communities, clusters, and PAs in West Marin for which funding applications have not been filed, and assign proposed funded service area (PFSA) priorities.	1-Jan-17	31-Dec-17	50%	Major progress has been made in Q1 in this task. This is true, as the P3 model being developed in Nicasio supports new efforts, especially Bolinas.	
6.1.2 Evaluate and plan for optimal mix of state, federal, and private funding based on the above applicable tasks.	1-Jan-17	31-Dec-17	50%	Produce end of year report on the optimal mix of funding used.	
6.2 Facilitate development of applicable infrastructure grant applications					
6.2.1 Support a grant application, as applicable, for a selected West Marin proposed funded service area (PFSA 1), based on 6.1 review	1-Jan-17	31-Dec-17	15%	This task is dependent on 6.1, above.	
6.2.2 Support a grant application, as applicable, for a selected West Marin proposed funded service area (PFSA 2), based on 6.1 review.	1-Jan-17	31-Dec-17	15%	This task is dependent on 6.1, above.	
6.2.3 Support a grant application, as applicable, for a selected West Marin proposed funded service area (PFSA 3), based on 6.1 review.	1-Jan-17	31-Dec-17	10%	This task is dependent on 6.1, above.	
6.3 Monitor Progress of applications and awarded projects	1-Jan-17	31-Dec-17	45%	Nicasio support work delivered, and continuing.	
6.4 Adjust project budget and estimated application phasing, as per Activity 6.3	1-Oct-17	31-Dec-17		Tasks 6.1 and 6.2 are both developing quickly, to inform this Q4 objective.	
<p>Quarterly Progress Report MBTF's report on Task #4 activities above documents how the Nicasio 'local match' funding process was successfully completed. As also noted above, we remain confident that this success will inform the models going forward as we work to seek partners for CASF grant applications for the remaining under- and un- served communities of West Marin. In this regard, most of MBTF's work in Q2 was conducted in Task 6.1 - Support Funding Applications in West Marin Proposed Funded Service Areas. In specific, we spent considerable time with community leaders, and an assigned appointed committee, in the community of Bolinas. While this work is attributable to Subtasks 6.1.1 and 6.1.2, it has as its goal the designation of Bolinas as the next Proposed Funded Service Area (PFSA 1), under Subtask 6.2.1. Following on immediately from the work reported in the Q1 Progress Report, at the request of Supervisor Rodoni, Marin County Counsel supported MBTF's work with the Bolinas Community Public Utility District (BCPUD) to determine: 1. If there exist one (1) of more carriers or providers interested in, and holding the capacity to, file a CASF application for the Bolinas community; and, 2. If BCPUD could legally and/or operationally take a role the development of a broadband network. The result of this work is that BCPUD has expressed the opinion that indeed indeed one (1) or more providers or carriers, and/or investors will come forward to seek state CASF funding for the Bolinas community. MBTF has as its primary goal the designation of PFSA 1 during Q3. A series of meetings of both the BCPUD elected Board of Directors, and the Directors' appointed Subcommittee on Internet Access were held during Q2. Importantly the County and MBTF personnel advised BCPUD on the structuring of a possible Request for Proposals (RFP) for a network development partner / operator. Lastly, a BCPUD Director, BCPUD staff, and MBTF prepared a brief for review by County Counsel as to the options for the Public Utility District to proceed to partner in, own, or operate the network. As part of this work in these specific Subtasks as well, Marin County Supervisor Dennis Rodoni and MBTF also responded to the Staff Draft proposals of CPUC-Communications Division (CD) with filed Comments and in-person authorized statements. The Staff Draft carried forward with the identification of Bolinas as a potential fast track community for a CASF award, if the rules were to allow for same.</p>					

**Mendocino County 2nd Quarter Report for
CASF Funded Activities
April 1, 2017-June 30, 2017**

THE FOLLOWING ARE THE CASF FUNDED ACTIVITIES EXTRACTED FROM THE COMPLETE MENDOCINO COUNTY WORK PLAN WITH NARRATIVE. IT IS AVAILABLE UPON REQUEST.

MENDOCINO COUNTY WORK PLAN-GRANT YEAR 1--2nd Quarter April 1, 2017-June 30, 2017					
CASF Funded Activities/Tasks	Start Date	Completion Date	% in Q2	Outcomes or Deliverable	CASF Grant Funds
Activity #1. Ensure Community Involvement	1-Jan-17	31-Dec-18		Steel & Personnel	\$ 1,530.00
1.1 Maintain Community Commitment	1-Jan-17	31-Mar-17		Deliverable ---Issue a quarterly report on Activity 1.1	
1.1.1 Appoint and activate the Broadband Planning Working Group	1-Jan-17	31-Mar-17	0%		
1.1.2 Inform county Supervisors, County CEO, staff from elected officials, and local government (including public safety) of Grant Years 1 and 2 Work Plans and the appointment of the Mendocino Broadband Working Group (MBWG)	1-Jan-17	31-Mar-17	0%		
1.1.3 Collaborate with the countywide advisory group-Broadband Alliance of Mendocino County (BAMC)	1-Jan-17	31-Dec-17	25%		
1.1.4 Involve community organizations and business groups with outreach, via in-person meetings and media(radio, newspapers, social media, website and extensive email list.	1-Jan-17	31-Dec-17	25%		
1.1.5 Issue special reports, news releases etc, as appropriate	1-Jan-17	31-Dec-17	25%		
1.1.6 Coordinate outreach/public participation in broadband legislative issues	1-Jan-17	31-Dec-17	25%		
1.2 Engage Community Leadership	1-Jan-17	31-Dec-18		Deliverable ---Issue a quarterly report on Activity 1.2	
1.2.1 Keep county CEO and Supervisors briefed	1-Jan-17	31-Dec-17	25%		
1.2.2 The MBWG meets at least quarterly to develop goals and strategies for the Broadband Plan (Activity 3)	1-Jan-17	31-Dec-17	25%		
1.2.3 Hold open "special topic" meetings, as needed	1-Jan-17	31-Dec-17	25%		
1.2.4 Training and consulting of staff on website maintenance	1-Jan-17	31-Dec-17	25%		
Quarterly Progress Report Community involvement continues to be a focus of our work.					
1.1.1 and 1.1.2 The Broadband Working Group (BWG) was previously activated and continued work on the County Broadband Goals during this quarter, which included presentations and meetings held around the county. These presentations are detailed under the Activity 3 Report.					
1.1.3 and 1.1.4 The NBNBCB collaborates with the Broadband Alliance of Mendocino County (BAMC) regularly on various issues and topics, including public education and outreach. The BAMC held their bi-monthly public outreach meeting on May 5th at the Community Foundation in Ukiah. Importantly, the BAMC hosts the NBNBCB on a portion of their website for posting consortium information. In addition, the BAMC website and social media account share information on new reports, consumer education, outreach and legislative efforts (1.1.6). The website features a page on "current broadband legislation" with links to legiscan, articles, and other resources so that the public can more easily stay informed on legislative issues.					
1.1.5 There were no special reports issued during this quarter by the BAMC or NBNBCB; however, reports by other groups were were shared and posted on the BAMC website (such as the CASF 2016 Annual Report and the CASF staff white paper with comments among many others).					
1.2.1 Mendocino County CEO Angelo was provided with a written weekly broadband update 8 times, usually at least a full page long; the BAMC Executive Committee and full Board of Supervisors was provided with 3 end-of-month written reports which were also posted on our website and made available to the public (with some redacted info).					
1.2.2 The BWG met this quarter on May 12th; more details on this meeting are provided under Activity 3.					
1.2.3 No "special topic" meetings were needed this quarter.					
1.2.4 Training on website maintenance was done on-line as needed.					

**Mendocino County 2nd Quarter Report for
CASF Funded Activities
April 1, 2017-June 30, 2017**

CASF Funded Activities/Tasks	Start Date	Completion Date	% in Q2	Outcomes or Deliverable	CASF Grant Funds
Activity #2. Develop Last Mile community plans/projects	1-Jan-17	31-Dec-18		Deliverable ---Issue a quarterly progress report on Activities 2.1 and 2.2	
				Steel & Personnel	\$ 1,530.00
2.1 Identify and Work with Grant Year 1 Target Communities	1-Jan-17	31-Dec-17	0%		
2.1.1 Albion	1-Jan-17	31-Dec-17	25%		
2.1.2 Westport	1-Jan-17	31-Dec-17	25%		
2.1.3 Road 409	1-Jan-17	31-Dec-17	25%		
2.1.4 Fort Bragg-exploration off PPP fiber network	1-Jan-17	31-Dec-17	25%		
2.1.5 Ukiah-exploration off PPP fiber network	1-Jan-17	31-Dec-17	25%		
Quarterly Progress Report					
<p>2.1.1, 2.1.2, and 2.1.3 Efforts continue to work with target communities to develop last mile plans, but it's very challenging for many reasons and there have been setbacks in 2 of the target communities. There has been setback for the Road 409 community in that the radio tower on which we were working with a provider to get a lease agreement for their equipment was determined by an engineer to be in need of repair and therefore no new equipment can be added without extensive repair work. However, work continues by exploring possible avenues for pole access (which included a call on May 28th with 3 CPUC staff members to better understand pole access issues). A similar setback has occurred in the Albion community, as our collaborative partner the non-profit Mendocino Coast Broadband Alliance (MCBA) has decided to terminate their organization due to lack of progress. MCBA was created over a decade ago for the express purpose of bringing broadband to their area, but the president has sold her house and will be moving in August to another county and there are not enough members willing to keep it going. Again, we will continue our efforts with a provider who is interested, and efforts also focus on access to PGE poles to reach into the community, possibly in collaboration with Road 409 as they are somewhat close geographically. At least a half dozen attempts have been made to schedule meetings with local PGE officials without much success, which is why the PUC meeting was scheduled. Last mile plans for the community of Westport can report success, and there is currently an active fixed wireless provider but adoption rates are low. An outreach campaign has been initiated with a presentation to their local government agency (a municipal advisory council) scheduled for July for collaboration to increase awareness of broadband value and options.</p> <p>2.1.4 The Fort Bragg exploration of a PPP is moving forward slowly. A meeting was arranged between Fort Bragg city officials and a provider during Q2, and the Broadband Goals presentation made to the city council on May 8th discussed the importance of city leadership on "alternative models" (Goal 3, Strategy 1). There has been an ongoing dialog with the Public Works Director (around 10 emails in May), including the sharing of information about P3s, upcoming Broadband USA webinar information, links to resources, and information about providers. When the city of Fort Bragg is ready to commit to such a project the consortium is ready to jump in with support, and in the meantime we will continue to encourage the dialog and to share information.</p> <p>2.1.5 The Ukiah exploration of a P3 has also been initiated, and during the Ukiah City council presentation on broadband goals (May 3rd) this idea of "alternative models" and need for city leadership was discussed (Goal 3, Strategy 1), but the Ukiah City Council has not yet expressed much interest in it (some are brand new members). There are also politics involved that complicates the issue. Another setback for this project is that the Executive Director of the Economic Development and Financing Corporation, a strong advocate for such a project, has left his position and the EDFC has not yet hired his replacement. The Ukiah Municipal Utility is open to ideas (and we have met with them previously) but what is lacking is project leadership from Ukiah city government. I will continue to work to interest city council members and provide information to those open to the idea.</p>					

**Mendocino County 2nd Quarter Report for
CASF Funded Activities
April 1, 2017-June 30, 2017**

CASF Funded Activities/Tasks	Start Date	Completion Date	% in Q2	Outcomes or Deliverable	CASF Grant Funds
Activity #2. Develop Last Mile community plans/projects	1-Jan-17	31-Dec-18		Deliverable ---Issue a quarterly progress report on Activities 2.1 and 2.2	
2.2 Work with Local "last mile" Providers to determine willingness to work with the communities	1-Jan-17	31-Dec-17		Deliverable Produce a report that documents the outcome of the efforts to match provides with the communities	
2.2.1 SeaKay	1-Jan-17	31-Dec-17	25%		
2.2.2 Mendocino Community Network	1-Jan-17	31-Dec-17	25%		
2.2.3 Central Valley Cable	1-Jan-17	31-Dec-17	25%		
2.2.4 Further Reach	1-Jan-17	31-Dec-17	25%		
2.2.5 AT&T	1-Jan-17	31-Dec-17	25%		
2.2.6 Frontier	1-Jan-17	31-Dec-17	25%		
2.2.7 Comcast	1-Jan-17	31-Dec-17	25%		
2.2.8 Sonic and Others	1-Jan-17	31-Dec-17	25%		
Quarterly Progress Report					
<p>2.2 We have found SeaKay and Further Reach both to be providers interested in collaborative working relationships to try to figure out how to develop last miles plans for underserved communities. Unfortunately they are both smaller non-CLECs with very limited capacity (personnel and financial), and the CASF grant program is not geared towards them. I do not have any CLECs or ILECS in the county who want to work with me on infrastructure projects. (see Activity 6 for adoption programs however). It has been my experience that it is not in their business model to work with groups outside their company for planning, preferring to keep plans secret until they are ready to deploy. Nor are the larger ILECs influenced by community needs in where or how they deploy, as spreadsheets with Business and Anchor Institution needs have been provided to them in the past with absolutely no response back. AT&T has shared their CAF plans for the county, but their deployment plans have not been a collaborative process. Frontier has only shared that they have no CAF plans for Mendocino in 2017, but will not say if they have future plans.</p>					

**Mendocino County 2nd Quarter Report for
CASF Funded Activities
April 1, 2017-June 30, 2017**

CASF Funded Activities/Tasks	Start Date	Completion Date	% in Q2	Outcomes or Deliverable	CASF Grant Funds
Activity #3. Develop the Goals and Strategies for the Broadband Plan	1-Jan-17	31-Dec-18		Steel & Personnel	\$ 1,530.00
3.1 Develop County Broadband Goals and Strategies	1-Jan-17	31-Dec-17		Deliverable ---Produce a Draft of the goals and strategies; Vet the draft; Finalize goals and strategies	
3.1.1 The County Working Group develops first draft of goals and strategies	1-Jan-17	30-Jun-17	50%		
3.1.2 Vet draft goals and strategies with county agencies, organizations, communities and broadband providers and obtain endorsements	1-Apr-17	1-Aug-17	60%		
3.1.3 Finalize Goals and Strategies	1-Sep-17	31-Oct-17			
3.1.4 Present final Goals and Strategies to Board of Supervisors for adoption	1-May-17	30-Jun-17			
3.2 County develops Broadband Infrastructure/Design					
3.2.1 The Working Group develops draft design of needed infrastructure	1-Apr-17	31-Jul-17			
3.2.2 Revisions to the design are made based on input from communities and providers	1-Jun-17	30-Sep-17	25%		
3.2.3 Complete Final version of needed infrastructure design	1-Oct-17	31-Oct-17		Deliverable ---Produce an Infrastructure Design	
3.2.4 Existing infrastructure is inventoried and overlaid on map	1-Nov-17	30-Nov-17			
3.2.5 Gaps between what is needed and what exists are identified	1-Nov-17	30-Nov-17			
3.2.6 Potential Projects are developed from identified gaps and prioritization	1-Dec-17	31-Dec-17		Deliverable ---Produce a report on priority project plans	

Quarterly Progress Report

3.1.1, 3.1.2, and 3.1.3 The draft Goals document was finalized in Q1 by the Broadband Working Group, shared and revised to create a final draft, and posted on our website. In Q2 this final draft document was presented to all four of Mendocino's City Councils, and to 4 of the 5 Municipal Advisory Councils. Three of the four city councils passed actual resolutions in support, as did the Sheriff and Mendocino County Department of Education. A complete list of endorsements is posted online. I also made presentations or met with the Fire Chief's Association and the south coast Chamber of Commerce directors. Other outreach included personal meetings (Sheriff, CalFire Chief, Dept of Agriculture Director, Farm Bureau) phone calls and emails (non-profits, etc). The purpose of this outreach was to update the agency/groups on our work, present the goals document, talk about the importance of Broadband to their agency, and ask for an endorsement. I felt like I received a very positive response from all of my outreach, even if it didn't result in an actual endorsement in hand.

3.1.4 The goals are scheduled to be presented to the Mendocino County Board of Supervisors at their July 11th meeting (Q3).

3.2 Infrastructure Design - The Broadband Working Group met on May 12th to discuss a conceptual Infrastructure Design for the county, and update the design that was developed in 2012. This meeting lasted almost 3 hours, and provoked good discussion. It was agreed that the design needed to be updated, but it was easier said than done. The reason for this was because the various technologies that might be used to provide last mile service require different infrastructure. Fixed Wireless requires line of sight to relay stations, and each provider has different locations for such structures. The final consensus was that because of fiber cost constraints and extensive microwave backhaul potential, the extent of the fiber infrastructure needed was less than the 2012 design. The design was updated to include both fiber and wireless links, but because most of these assets are privately held (nor publicly discussed) and technologies dictate needed infrastructure from which to provide last mile connectivity, a needed infrastructure design is challenging. Mendocino County GIS department helped in our effort by providing current maps of all wireless facilities for our discussion.

**Mendocino County 2nd Quarter Report for
CASF Funded Activities
April 1, 2017-June 30, 2017**

CASF Funded Activities/Tasks	Start Date	Completion Date	% in Q2	Outcomes or Deliverable	CASF Grant Funds
Activity #4. Involve and work with Telecommunications Providers	1-Jan-17	31-Dec-18		Deliverable ---Produce a semi-annual report on ongoing work with telecommunications providers	
				Steel & Personnel	\$ 1,530.00
4.1 Work with providers to have them share with the County their fiber routes and transparency in network resiliency	1-Jan-17	31-Dec-17	25%		
4.2 Work with providers to increase redundancy and diversity in their networks	1-Jan-17	31-Dec-17	25%		
4.3 Work with providers for improved communication procedures between them and the County	1-Jan-17	31-Dec-17	25%		
4.4 Have providers inform the County of changes to their offerings and plans to deploy broadband in the county	1-Jan-17	31-Dec-17	25%		
4.5 Document any outages to assess scope and impact on residents	1-Jan-17	31-Dec-17	25%		

Quarterly Progress Report

4.1, 4.2, 4.3 SeaKay in particular has been transparent in their plans, network design and communications. Frontier, Comcast and AT&T are not able to share any deployment and upgrade plans at this point other than what they have already shared publicly.

4.4 All providers are routinely encouraged to share with the Alliance any expansion of services, and that we would help let the community know of these changes via our website (where all providers and locations are listed) and social media. Local providers were also contacted and encouraged to submit responses to the CASF staff "white paper" on CASF program reform, as this program could impact their ability to expand services. ILECS were already aware of this white paper and therefore did not need to be informed about it.

4.5 There were no major outages during Q2.

CASF Funded Activities/Tasks	Start Date	Completion Date	% in Q2	Outcomes or Deliverable	CASF Grant Funds
Activity #5---Participate and work on Consortium-wide activities	1-Jan-17	31-Dec-18		Steel & Personnel	\$ 300.00
5.1 Participate in development of NBNCBC Regional Infrastructure Plan	1-Jan-17	31-Dec-17	25%		
5.2 Participate in quarterly meetings of Oversight Committee	1-Jan-17	31-Dec-17	25%		
5.3 Share information of regional importance and contribute to semi-annual newsletter	1-Jan-17	31-Dec-17	25%		

Quarterly Progress Report

5.1 There was no further activity on this during Q2

5.2 Mendocino participated in the April 27th Q2 Oversight Committee meeting, and also acted as secretary, took notes, distributed those notes and posted notes on the website.

5.3 Information was shared within the consortium that was of regional importance to the consortium via email, including information on the Open Internet, CASF legislation and other broadband legislation, PUC Rural Call Completion proceeding, Frontier deployment plans, AT&T's deployment of fiber, PG&E CPCN application, and micro-trenching policy in San Francisco.

**Mendocino County 2nd Quarter Report for
CASF Funded Activities
April 1, 2017-June 30, 2017**

CASF Funded Activities/Tasks	Start Date	Completion Date	% in Q2	Outcomes or Deliverable	CASF Grant Funds
Activity #6. Foster the implementation of adoption and training plans and programs	1-Jan-17	31-Dec-18		Deliverable ---Produce a brief quarterly report on ongoing work in adoption and training	
				Steel & Personnel	\$ 455.00
6.1 Update Data on Existing Adoption and Training Programs	1-Jan-17	31-Dec-17	25%		
6.2 Collaborate with interested providers on adoption programs and outreach	1-Jan-17	31-Dec-17	25%		
6.3 Collaborate with youth-based entities to assess needs, existing resources, and potential funding	1-Jan-17	31-Dec-17	25%		
Quarterly Progress Report					
<p>6.1, 6.2, 6.3 Currently in Mendocino, only Comcast and AT&T have low-cost internet programs. Updated flyers and information has been posted on our website and promoted, along with senior center iPad trainings by AT&T. Our advertisement of the training also resulted in getting volunteers to help AT&T in their training. A meeting with Comcast was held where I received over 500 flyers on their Internet Essentials low-cost program, which I hand-delivered to the Mendocino County Office of Education (MCOE) and various libraries. The meeting with MCOE also discussed efforts to target families in school districts who could benefit from the program and continued collaboration. Boxes of flyers were also ordered online from AT&T (not yet arrived) and they will also be delivered around the county in the same manner. I also participated in AT&T's "It can wait" program for safely using digital devices, and brought awareness of this national program to county Family Resource Centers and various high schools, and encouraged them to schedule presentations through providing introductions to the AT&T outreach person. When the AT&T person was not able to reach Fort Bragg school personnel because of summer vacations, I was able to use my contacts to reach the principal so that he was able to secure a fall date for the program that needed to be scheduled that day.</p>					

**Napa County 2nd Quarter Report for
CASF Funded Activities
April 1, 2017-June 30, 2017**

THE FOLLOWING ARE THE CASF FUNDED ACTIVITIES EXTRACTED FROM THE COMPLETE NAPA COUNTY WORK PLAN WITH NARRATIVE. IT IS AVAILABLE UPON REQUEST.

NAPA COUNTY WORK PLAN-GRANT YEAR 1--2nd Quarter April 1, 2017-June 30, 2017					
CASF Funded Activities/Tasks	Start Date	Completion Date	% in Q2	Outcomes or Deliverable	CASF Grant Funds
Activity #1. Conduct Ground Truth Testing-Fixed Wireless and Wireline	1-Jan-17	31-Dec-17			
1.1 Conduct Ground Truth Testing in the Priority Communities	1-Mar-17	31-Dec-17	50%		
1.1.2 Employ the Calspeed Wireline and Fixed Wireless applications	1-Mar-17	30-Jun-17	100%	CSU Chico	\$ -
1.1.3 Produce the results of the ground truth testing	1-Jul-17	30-Aug-17	0%	Deliverable--- Issue a report of the ground truth testing results (Chico)	\$ -
1.1.4 Hold a meeting with each specific communities to report results and agree on follow-up actions	1-Aug-17	30-Nov-17	0%	Consultant	\$ -
				Deliverable--- Produce a report on community meeting results (Consultant)	
1.1.4.1 Calistoga	1-Aug-17	30-Nov-17	0%		
1.1.4.2 Pope Valley	1-Aug-17	30-Nov-17	0%		
1.1.4.3 St. Helena	1-Aug-17	30-Nov-17	0%		
1.1.4.4 Oakville	1-Aug-17	30-Nov-17	0%		
1.1.4.5 Monteicello	1-Aug-17	30-Nov-17	0%		
1.1.4.6 Rim Rock	1-Aug-17	30-Nov-17	0%		
1.1.4.7 Wild Horse Valley Road	1-Aug-17	30-Nov-17	0%		
1.1.4.8 Browns Valley	1-Aug-17	30-Nov-17	0%		
1.1.4.9 American Canyon	1-Aug-17	30-Nov-17	0%		
Quarterly Progress Report					
<p>- Finalized Professional Service Agreement with CSU Chico to conduct Ground Truth Testing and report (April 2017).</p> <p>-Finalized Outreach plan to inform constituents in Napa County, with an emphasis in our priority areas, about the ground truth testing and encourage them to fill out survey and download software. The plan included: sending 20,000 emails to Napa County Library contacts, mailed 700? hard copy letters to priority areas in Angwin, Pope Valley, and Lake Berryessa, use of social media, 1,150 emails to specific neighbors in priority areas, Public Service Announcement, use of press releases and letters to the editor.</p> <p>-The original timeframe of the testing was late May through June 30th. However, after a limited amount of public participation and no software downloads in priority areas of Angwin and Pope Valley, staff suggested to extend the test period through July 31.</p> <p>-As of July 5, we have had 410 survey responses and 520 total CalSPEED tests from 96 unique address locations.</p> <p>-Due to the extension of the testing period, Napa County will be changing the report to be produced during the month of August and community meetings in the fall.</p>					

**Napa County 2nd Quarter Report for
CASF Funded Activities
April 1, 2017-June 30, 2017**

CASF Funded Activities/Tasks	Start Date	Completion Date	% in Q2	Outcomes or Deliverable	CASF Grant Funds
Activity #2. Work with Local "last mile" Providers to verify ground truth testing results and determine willingness to work with the communities	1/1/2017	12/31/2017		Deliverable--- Issue a report on results of working with Providers (Consultant)	\$ -
2.1 Work with providers to verify results					
2.1.1 AT&T	1/1/2017	12/31/2017	30%		
2.1.2 Comcast	1/1/2017	12/31/2017	30%		
2.1.3 Sonic	1/1/2017	12/31/2017	30%		
2.1.4 Global Capacity LLC	1/1/2017	12/31/2017	30%		
2.1.5 Valley Internet and Others	1/1/2017	12/31/2017	30%		
2.2 Work with providers to share their fiber routes	1/1/2017	12/31/2017	30%		
2.3 Work on Redundancy and diversity	1/1/2017	12/31/2017	30%		
2.4 Learn of their changes in offerings/plans	1/1/2017	12/31/2017	10%		
2.5 Work on communications procedures between Providers and County	1/1/2017	12/31/2017	30%		
2.5 Learn of their changes in offerings/plans	1/1/2017	12/31/2017	10%		
Quarterly Progress Report					
-No update. Because we got a late start on this projec this will be done after the ground truth testing report scheduled to be finalized in late August.					

**NBNCBC 2nd Quarter Report
for CASF Funded Activities
April 1, 2017-June 30, 2017**

THE FOLLOWING ARE THE CASF FUNDED ACTIVITIES EXTRACTED FROM THE COMPLETE NBNCBC WORK PLAN WITH NARRATIVE. IT IS AVAILABLE UPON REQUEST.

NBNCBC WORK PLAN-GRANT YEAR 1--1st Quarter January 1, 2017-March 31, 2017					
CASF Funded Activities/Tasks	Start Date	Completion Date	% in Q1	Outcomes or Deliverable	CASF Grant Funds
Activity #4. Manage the Relationship with CASF Including Reporting and Financial Administration of the CASF Grant	1-Jan-17	31-Dec-17		Sonoma EDB	\$ 1,250.00
4.1 Respond to all CASF staff Project Program Inquiries	1-Jan-17	31-Dec-17			
4.2 Provide Quarterly Progress Reports	1-Jan-17	31-Dec-17	25%	Deliverable--- Provide a Project Progress Report on a quarterly basis	
4.3 Respond to all CASF staff financial Issues	1-Jan-17	31-Dec-17	25%		
4.3.1 Managing the Invoicing and the financial accounting	1-Jan-17	31-Dec-17	25%	Deliverable--- Submit an Invoice to CASF on a quarterly basis	
Quarterly Progress Report					
During the second quarter of 2017, Sonoma County staff responded to inquiries from Consortium members, processed payments for CSU Chico GIC and Mendocino and Marin counties, and prepared all documents and invoice required to submit to CPUC.					
CASF Funded Activities/Tasks	Start Date	Completion Date	% in Q1	Outcomes or Deliverable	CASF Grant Funds
Activity #5. Provide the county teams support in data collection, data creation, mapping and data analysis	1-Jan-17	31-Dec-17		Deliverables--- Produce data, analyses and mapping as requested	
				CSU Chico	\$ 2,500.00
5.1 Provide each County GIS Support and Analysis	1-Jan-17	31-Dec-17			
5.1.1. Infrastructure application support and analysis;	1-Jan-17	31-Dec-17	25%		
5.1.2. Annual data analysis updating;	1-Jan-17	31-Dec-17	25%		
5.1.3. Updates to alternatives based on county input and analysis	1-Jan-17	31-Dec-17	25%		
5.1.4. Special Analyses, as requested.	1-Jan-17	31-Dec-17	25%		
5.2. Mapping Updates	1-Jan-17	31-Dec-17			
5.2.1. Consortia Mapping	1-Jan-17	31-Dec-17	25%		
5.2.2. County Mapping.	1-Jan-17	31-Dec-17	25%		
Quarterly Progress Report The following tasks were completed by CSU Chico GIC for the Sonoma County Economic Development Board North Bay North Coast Broadband Consortium during the months of April - June 2017.					
<ul style="list-style-type: none"> - Produced service maps and complimentary data tables using data as of December 31st, 2015. Included maps and spreadsheets for wireline served status at the CASF standard (6 Mbps download / 1.5 Mbps Upload) and FCC standard (25 Mbps download / 3 Mbps Upload). Output products were produced for: <ul style="list-style-type: none"> o California's 2nd Congressional District - Compared the 98% gap analysis spreadsheet from CPUC with households served analysis. Sent explanation of differences to Tom West. - Generated new 98% gap analysis figures using the FCC served standard of 25 Mbps download and 3 Mbps upload. - Created served status maps and household numbers for Humboldt County at the CASF served standard. - Research to locate the Foothills HOA and produced a parcel map with census block overlay. - Conference calls with project group as needed. 					

**SONOMA County 2nd Quarter Report for
CASF Funded Activities
April 1, 2017-June 30, 2017**

THE FOLLOWING ARE THE CASF FUNDED ACTIVITIES EXTRACTED FROM THE COMPLETE SONOMA COUNTY WORK PLAN WITH NARRATIVE. IT IS AVAILABLE UPON REQUEST.

SONOMA COUNTY WORK PLAN-GRANT YEAR 1--2nd Quarter April 1, 2017-June 30, 2017					
CASF Funded Activities/Tasks	Start Date	Completion Date	% in Q2	Outcomes or Deliverable	CASF Grant Funds
Activity #2. Develop Sonoma Countywide Strategic Plan					
2.1 Engage Communities, Businesses and CAIs	1-May-17	31-Dec-17		Deliverable #1. Produce a report of the results of the workshops and surveys	
			10%	Consultant	\$ 3,437.50
2.1.1 Conduct 3-4 community workshops	1-May-17	30-Jun-17	0%		
2.1.2 Administer data collection and surveys	1-May-17	30-Jun-17	10%		
2.1.3 Gather data from businesses and CAIs	1-May-17	30-Jun-17	0%		
2.1.4 Publish summary report of results	1-Jul-17	31-Aug-17	0%		
2.2 Develop County Broadband Goals and Strategies				Deliverable #2. Produce a Draft of the goals and strategies; Vet the draft	
2.2.1 Using data gathered in 2.1 develop draft of goals and strategies	1-Sep-17	30-Sep-17	0%	Consultant	\$ -
2.2.2 Vet draft goals and strategies with broadband providers	1-Oct-17	15-Dec-17	0%	Consultant	\$ -
2.2.3 Vet draft with community at BSAC meeting	1-Oct-17	15-Dec-17	0%	Consultant	\$ -
Quarterly Progress Report: In the second quarter, after an RFP process we contracted with Magellan Advisors to prepare the Sonoma County Broadband Strategic Plan. The proposal is attached to the quarterly report. The County/Magellan project team is doing data gathering in preparation for surveys and focus group meetings scheduled for August 2017. We meet with Magellan's project team biweekly. Magellan has prepared a list of data needs including GIS data, agency/anchor contacts, budget and capital projects documents. Magellan has also prepared draft outreach and survey documents.					



Broadband Strategic Plan

Prepared For: Steven Sharpe, Analyst
Sonoma County Economic Development
141 Stony Circle, Suite 110
Santa Rosa, CA 95401

Prepared By: Magellan Advisors

John Honker
O: 786.208.8952
E: jhonker@magellan-advisors.com
www.magellan-advisors.com
999 18th Street, Suite 3000. Denver, CO 80202

Cover Letter

February 6, 2016

Steven Sharpe, Analyst
Sonoma County Economic Development
141 Stony Circle, Suite 110
Santa Rosa, CA 95401

Dear Mr. Sharpe,

Magellan Advisors applauds Sonoma County for taking this important step to support the technological and economic future of your community. High-speed, affordable and accessible broadband infrastructure is a critical component to equip our communities for the digital economy, especially those communities outside of major metropolitan areas, such as Sonoma County. This project will lay the foundation for long-term benefits to the greater Sonoma County area, supporting Sonoma's communities' needs for high-speed Internet services at affordable prices. In addition, this project will develop the groundwork for community and economic development programs that benefit from advanced broadband, supporting job growth, tax base growth and the overall quality of life of its residents.

Magellan believes that Broadband Strategic Plans are only successful when they are developed using a grass-roots, community-based approach that assesses the unique needs of the community. We have significant expertise in community outreach and engaging community stakeholders and elected officials for gaining political support for developing broadband-friendly public policy, making financial commitments and adopting public/private partnerships. We believe that educating the diverse community groups on the benefits of high-speed broadband is crucial to building this grass-roots support. We also believe that public organizations play a key role in increasing broadband availability through crafting broadband-friendly public policy, leveraging key public infrastructure, securing broadband grants and loans and making wise investments in broadband infrastructure.

Magellan Advisors is excited for the opportunity to work with Sonoma County on this critical project for economic sustainability and quality of life for the region. We are the premier community broadband planning firm with deep expertise in western, rural and mountainous communities throughout the country. Magellan works extensively with California cities and counties on broadband projects developing broadband strategic plans and similar projects for over 15 California local governments, including:

- Yolo County & the Cities of Davis, West Sacramento, Winters and Woodland
- City of Vallejo
- City of Riverside and Riverside Public Utilities
- City of Carlsbad
- Rancho Santa Fe
- City of Fountain Valley
- City of Rancho Cucamonga
- South Bay Coalition of 15 Local Governments
- City of Huntington Beach
- City of Concord
- City of West Hollywood
- City of Mission Viejo

We maintain local staff in both Northern and Southern California, have deep experience in California's telecommunications market and are well versed in California PUC regulations and policy concerning deployment of broadband services and grant programs, for which some of Sonoma's communities may qualify.

In 2015, we developed the Broadband Strategic Plan for neighboring Yolo County, which crafted strategies for Yolo's four cities and unincorporated rural communities within Yolo. Our plan gave the County actionable strategies individually tailored to each community to help them expand access to broadband services. We provided Yolo with revised estimates for broadband availability and speeds across its communities, which challenged many of the data that was posted by the CPUC in the State broadband maps. This analysis provided Yolo with a true sense of how their communities were served and revealed that many of Yolo's rural communities were much worse off than was reported by the CPUC. This data supported Yolo in designating many of its rural communities as eligible for CPUC grant funding. Our Strategic Plan also focused on enabling collaboration and infrastructure development between the County, its cities and local providers to support expansion of broadband across the County.

We have developed other broadband strategic plans for many similar communities, including:

- City of Missoula Broadband Strategic Plan – Missoula, Montana
- Seminole County Broadband Strategic Plan – Seminole County, Florida
- City of Ketchum Strategic Broadband Plan – Ketchum & Sun Valley, Idaho
- City of Fort Morgan Broadband Feasibility Assessment - Fort Morgan, Colorado
- Southwest Florida Broadband Strategic Plan – Charlotte, Collier and Lee Counties, FL

We assist local governments and economic development organizations to develop strategic broadband plans to enhance their communities with advanced fiber-optic, wireless and related broadband and smart city technologies. We maintain a strong economic development focus within our projects, identifying strategies to promote retention of existing business, recruitment of new business, industry cluster development and area redevelopment, all through strategic broadband planning and implementation. Our broad expertise in not only planning, but also implementing and operating broadband networks will ensure that the strategies developed for Sonoma are effective and real-world tested. Magellan's strong telecommunications industry experience in the technical, policy, legal and business areas will provide critical insight into this Broadband Strategic Plan.

We at Magellan Advisors look forward to serving the needs of the Sonoma County community in this important project. If you have any questions, please feel free to contact me directly using the information below.

Thank you for the opportunity and we look forward to assisting you in making Sonoma County the most competitive place to live, work, play and learn in the country – while maintaining its unique character and sense of place.

John Honker



President, Magellan Advisors - O: 786.208.8952 E: jhonker@magellan-advisors.com

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I. Organizational Information

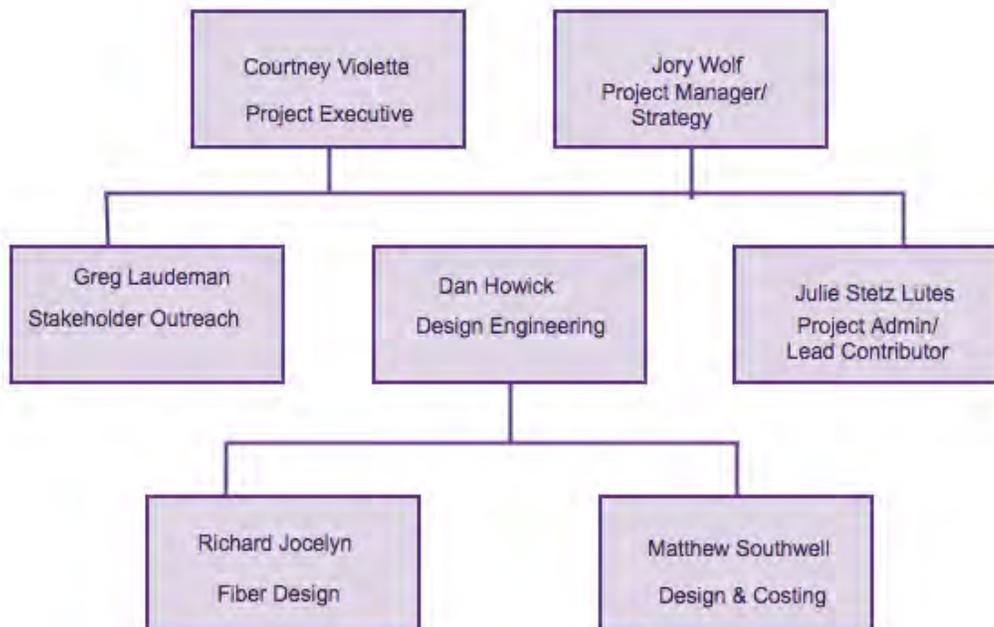
A. Company Overview

Magellan Advisors, LLC is a Colorado-based firm with local offices in Denver, Los Angeles, Miami, Orlando, Topeka and Knoxville. Magellan’s primary address is 999 18th Street, Suite 3000 Denver, CO 80202. Magellan Advisors, LLC was founded in January of 2004 and has been in operation as a Florida Limited Liability Company since inception. Magellan’s office number is 888.960.5299.

The City’s primary point of contact for this engagement is John Honker, President of Magellan Advisors, telephone: 786-208-8952, fax: 888-963-3520. Magellan Advisors’ FEIN is 65-1218484. The majority of work to be completed in conjunction with this RFP will be managed with our local LA resources. The project team proposed by Magellan meets the essential requirements of experienced personnel devoted to the successful accomplishment of the project. Magellan is able to commence productive and substantive work immediately upon award of the contract. Additional staff and resources shall be assigned to the project based on the specific needs as required by Sonoma County.

Organization Chart

Below is Magellan’s team that will be dedicated to the Sonoma County project and their respective roles/subject matter expertise for the project. Staff Resumes are attached as Appendix A.



Key Principals



John Honker – President & CEO

John is a seasoned broadband and telecom executive with 20 years' experience across public and private sectors. His first 10 years were spent with Columbus Networks planning and managing broadband networks across 20 countries in the Americas region. Under his leadership, Columbus' Internet Services grew from \$0 to \$100 million in annual revenue over 7 years. As a key founder of Magellan, John has managed over 100 public and private broadband projects across the US and abroad. Other engagements included the development of the City of Riverside, CA's fiber business model, the City of Baltimore's citywide fiber strategies and Missoula's next-generation fiber plan. John holds an MBA in Finance and Management from the University of Miami and a BA in Philosophy from Stetson University.



Kyle Hollifield – SVP of Sales & Marketing

Kyle Hollifield is a 25-year veteran of the telecommunications industry and most recently has held the position of Vice President of Business Development and Marketing at Bristol Virginia Utilities Authority (BVU), while managing the FOCUS division providing consulting services to other communities wishing to build or improve high speed broadband networks. Kyle has served on the Board of Directors of The North American Fiber to the Home Council, most recently as Chairman of the Board of Directors. Hollifield also serves as Vice-Chair of Broadband Communities Magazine and has made many presentations on broadband policy and opportunities to the FCC, RUS, NTIA, NATOA, APPA, National League of Cities, Rural Telecom Cooperative, FTTH, Broadband Communities and NCTC.



Courtney Violette – SVP of Operations

Courtney has led dozens of municipal broadband planning and implementation projects across the country. He is a Certified Fiber-To-The-Home Professional and holds a number of technical certifications in broadband, information technology and information security. Prior to joining Magellan, he spent 6 years as the CIO for the City of Palm Coast. During this time, he planned and built the first true City-owned open-access network in the Southeast. Through his leadership, the network grew to serve government, business, education and healthcare needs across the City, saving these organizations millions of dollars and providing gigabit connectivity to meet the community's needs. Courtney holds a MA in Information Technology Management and a BS in Computer Science from Webster University.



Jory Wolf – VP of Digital Innovation

Jory joined Magellan after 22 years as CIO of the City of Santa Monica, CA where he launched Santa Monica City Wi-Fi, which provides free internet services to the public through a network of 32 hot zones and wireless coverage in most major commercial and transit corridors throughout the city. He created Santa Monica City Net, a 100 gigabit broadband program to support an environment for local businesses to compete in the global economy with cutting edge network solutions and for (FTTH) and Digital Inclusion for residents. Jory has over 35 years of experience in Information Technology, including broadband, FTTH and Smart City initiatives. Jory and his teams have received over 50 awards for information technology projects during his career and in 2012 he received the CIO Lifetime Achievement Award from the Los Angeles Business Journal.

Project Staff



Dan Howick - FTTP Engineer

Dan Howick has over 15 years of experience working in the planning, layout and design of telecommunications networks, specializing in fiber optics. He works hand-in hand with some of the nation's largest service providers who rely on his reputation and industry knowledge to help design and install advanced fiber-optic systems throughout the Country. Dan's expertise in the telecommunications industry focuses on fiber-optic networks in both the inside and outside plant environments. His responsibilities have included the layout, and design of outside plant networks for carriers, the United States Government, local municipalities, and private networks. Dan excels in the areas of route planning and optimization, as-built recording and development, plant verification and documentation, AutoCAD layout for both plan & profile views for construction. Dan also has extensive experience in best practices, methods and procedures for design/installation in fiber optics including terminations, splicing and testing.



Dr. Greg Laudeman – Senior Broadband Consultant

Greg Laudeman is a leader in innovative, talent and technology-based economic development strategy, research, and implementation. He is the Executive & Founder of Eduity, LLC, which provides talent- and technology-based economic development services, and is applying social media to transform workforce planning & development. Greg's diverse experience as an analyst, communicator, facilitator, and organizer has always focused on how technology can make communities and organizations more competitive, innovative, and productive. For over a decade Greg led community technology outreach efforts for the Georgia Tech Enterprise Innovation Institute. Greg has a doctorate in Learning and Leadership at the University of Tennessee at Chattanooga, has master degrees in Public Policy from Georgia Tech and Telecommunications from Michigan State, and a bachelor degree in Mass Communication from UTC.



Julie Stetz Lutes - Sr. Research Associate

Julie has over 20 years' experience advising public, private and non-profit agencies in the area of IT strategic planning, procurement, and oversight of information technology projects. Clients have included the County of San Diego, the City of San Diego, County of Los Angeles Department of Public Social Services, City of Sedona, Maricopa County and others. Most recently, Julie served as an internal communications consultant for a Fortune 100 company during the implementation of an Enterprise Collaboration Strategy. Specializing in economic and social development and strategic alliances, Julie holds a dual-degree, MPIA/MBA, from the University of Pittsburgh.



Richard Jocelyn – Telecommunications Analyst

Richard Jocelyn Has over 26 years in the telecommunications field. He has completed multiple projects both nationally and internationally for the USAF in a project manager's role converting all bases to VOIP. His broad range of experience includes structured cabling, DATA center build-outs, IDAS and ODAS deployments, full cell site builds and management. He has recently been involved in FTTH deployments across the country for a national carrier and was involved in the first deployment of FTTH for Verizon. Some of his projects include IMF WorldBank, Derkson Senate Building, Department of commerce and multiple stadiums to include Bryant Denny Stadium and FedEx field.

II. Qualifications and Experience

Recently Completed Projects

City of West Hollywood, CA – Fiber Strategic Plan

Magellan was retained by City of West Hollywood, CA to develop a Fiber-Optic Strategic Plan for the City. Magellan developed a strategic plan and investment roadmap for the City's consideration to connect city facilities, parks, traffic, public safety and other key city assets. West Hollywood has an opportunity to drive broadband investments to positively affect its businesses, residents and anchors, while generating revenues from the planned excess fiber capacity. Magellan presented the Fiber Strategic Plan to City Council in October 2016 and they adopted \$3M to develop a fiber broadband infrastructure.

Riverside Public Utilities; Riverside, CA – Fiber Business Model

Magellan was retained by Riverside Public Utilities (RPU) to conduct a Fiber Business Model. The RPU Fiber Business Model assessed options for expansion of RPU's current Fiber infrastructure throughout the City of Riverside. Magellan performed a thorough analysis of RPU's extensive fiber optic network, along with a thorough needs assessment for the City of Riverside, which analyzed the current level of services throughout the City by incumbent providers, as well as a gap analysis. Magellan's plan analyzed the business models that can be used for future expansion of the RPU network as a tool to spur economic development in the City of Riverside. The Plan also developed long-term municipal strategies to leverage RPU's fiber network to implement public works, public safety, utility and smart city projects to improve municipal operations and reduce cost.

City of El Segundo, CA – Fiber-Optic Feasibility Study

Magellan was retained by the City of El Segundo, CA to develop a Broadband Feasibility Study for the City. Magellan worked with the City of El Segundo and local stakeholders to assess the needs of businesses throughout the City. Magellan worked with the City to analyze the City's current fiber infrastructure and developed a conceptual design for a future City owned broadband utility to serve local businesses, government, and schools. The City will leverage its current assets in fiber infrastructure and possible investments in new fiber to meet the needs of its extensive business community. Magellan's plan is being used as a key resource to support the City's grant funding targeting economic and community development.

Other Projects in California

South Bay Cities Council of Governments, CA – Fiber Master Plan

Magellan Advisors was retained by the South Bay Cities Council of Governments to complete a Fiber Master Plan for 15 cities in the South Bay Region. The Fiber Master Plan Study is funded by the Workforce Investment Board through a workforce development grant. The study assesses the current state of workforce development and jobs retention in the region through focus group discussions with cities, businesses and anchor institutions. The Fiber Master Plan will lay the foundation of the development of a fiber broadband infrastructure that will serve the cities in the region for economic development, workforce development and job retention. The study will determine how the implementation of a regional network will prime the pump for the cities in the region to expand broadband into their communities for workforce related goals and objectives.

City of Huntington Beach, CA – Broadband & Wireless Strategic Plan

Magellan Advisors was retained by the City of Huntington Beach, CA to assist in implementing its Fiber Master Plan and to develop a Wireless Strategic Plan. Magellan is providing guidance in organizational development for implementing broadband fiber and wireless infrastructures, policy and partnership development, managing goals and objectives for fiber master planning, negotiating fiber and wireless agreements and developing strategies for leveraging newly acquired SCE light poles for leasing and implementation of a dark fiber infrastructure. Magellan is assisting in the development of right of way management and wireless ordinance. Request for Proposals are being developed and contracts will be negotiated for leasing vertical pole assets and dark fiber for deployment of LTE 5G wireless technologies.

City of Concord, CA – Fiber Master Plan

Magellan Advisors was recently engaged by the City of Concord, CA to develop a Fiber Master Plan for the City. Magellan is leading the efforts to develop a plan that will outline how the city will create flexible fiber infrastructure to expand municipal capabilities across key departments and offer broadband to businesses and anchor institutions. The plan will leverage the City's current fiber infrastructure and strategic new investments to support Concord's redevelopment of the Naval Weapons Station and other strategic investments in the community. The City will also leverage their network and vertical assets to create innovation through smart city initiatives, and support public health, education and safety. Magellan Advisors' study is assessing the current needs of both internal city departments, and key community anchors and businesses in the City of Concord. Magellan's study will delve deep to assist the City in making key decisions around the technical aspects of the proposed network, business models, and public policy initiatives that will incentivize new broadband deployment throughout the community.

City of Vallejo, CA – Fiber Master Planning

The City of Vallejo, CA has engaged Magellan Advisors to implement broadband strategies for the City in its effort to leverage its current infrastructure for the greatest benefits for the City and its citizenry. Magellan is assisting the City in managing their current Broadband Master Plan, negotiating an evolving regulatory environment, and providing the City with actionable strategies and options for improved broadband speeds and services. The effort will include business model recommendations for expansion and operating broadband networks. Magellan is assisting the City in developing Requests for Proposals, selecting providers and business partners, and negotiating agreements for expansion of their fiber assets for economic development, smart city initiatives and government innovation.

City of West Hollywood, CA – Strategic Wireless Plan

Magellan Advisors recently completed a Strategic Fiber Plan for the City of West Hollywood, CA. The City has retained Magellan Advisors again to develop a sustainable strategic plan and related implementation roadmap to guide wireless network infrastructure deployment and service offerings. Magellan is identifying the wireless-related business/operational requirements for the City and the public, and will provide recommendations regarding effective use and integration of City fiber and wireless assets. The Plan will recommend a viable operating, business and financial model for the build out and use of the City's wireless network and identify resource requirements for capital investment and staffing levels. Magellan and the City will develop an implementation roadmap for the wireless network build-out and services plan based on the recommendations.

City of El Segundo, CA – Fiber Optic Feasibility Study

Magellan was retained by the City of El Segundo, CA to develop a Broadband Feasibility Study for the City. Magellan worked with the City of El Segundo and local stakeholders to assess the needs of businesses throughout the City. Magellan worked with the City to analyze the City's current fiber infrastructure and developed a conceptual design for a future City owned broadband utility to serve local businesses, government, and schools. The City will leverage its current assets in fiber infrastructure and possible investments in new fiber to meet the needs of its extensive business community.

References

City of West Hollywood, CA – Fiber-Optic Strategic Plan

Contact: Eugene Tsipis
Title: IT Manager
Phone: 323.848.6399
Email: etsipis@weho.org

Riverside Public Utilities, CA – Fiber Business Model

Contact: Kevin Milligan
Title: Utilities Deputy General Manager
Phone: 951.826.5791
Email: Kmilligan@riversideca.gov

City of El Segundo, CA – Fiber Business Model

Contact: Larry Klingaman
Title: Information Systems Manager
Phone: 310.524.2392
Email: lklingaman@elsegundo.orgki

Firm Description

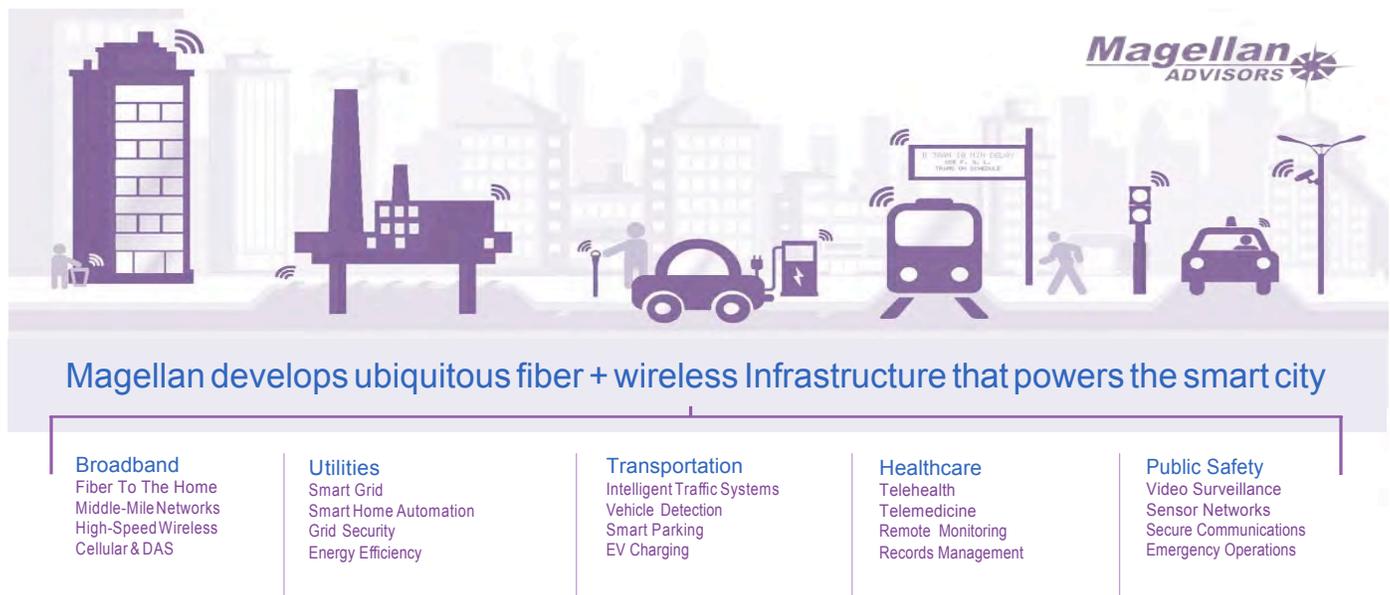
Magellan provides leading broadband, smart city, information technology and security consulting services to public and private organizations. We are a full spectrum planning and implementation firm that brings together technology, communications and utility consulting to create smart gigabit cities of tomorrow.

Magellan Advisors has been in active service to state, local, and other public institutions since its founding in January of 2004. Magellan provides a decade of experience with regard to performing services specific to this RFP. We pride ourselves on delivering consistently high standards of service to our customers resulting in a long-standing track record of successful projects without a single failed project.

Our professionals bring years of experience from the broadband, telecom, information technology and government sectors. We are thought leaders and real-world implementers of broadband and smart city networks that keep communities competitive in the digital world.

Unlike most consulting firms, we partner with our clients every step of the way, whether they are deploying institutional fiber networks, developing broadband public-private partnerships or deploying smart city networks. We are a “hands-on” firm with strong project management abilities and implementation skills to see our client’s projects through from concept to completion.

We are only successful when our clients are successful. Our goal is to deliver practical broadband and technology solutions that our clients are capable of implementing in their communities. Through our services, over \$1 billion of new fiber investments have been made connecting more than 1,000 schools, hospitals, libraries and governments and passing nearly 1 million homes with fiber.

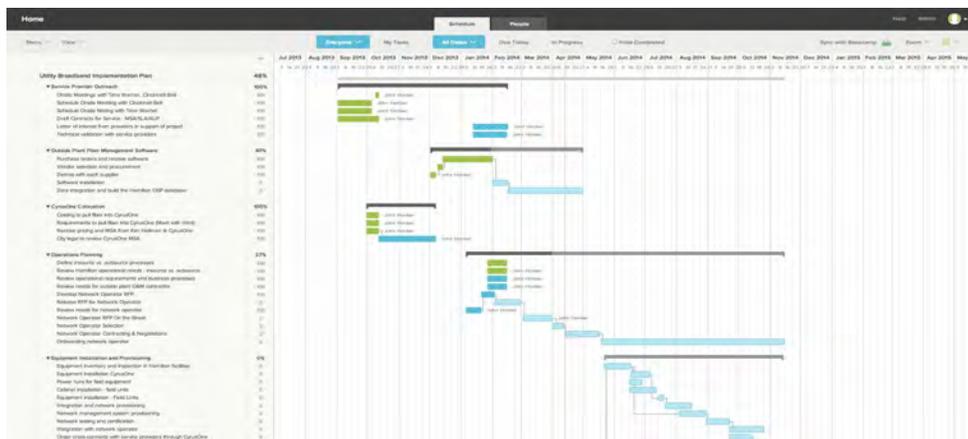


III. Project Approach & Work Schedule

Task 1: Refine Project Goals and Purpose and Conduct Opening Workshop

Magellan Advisors maintains formal project management methodologies for all broadband-planning engagements. Because these projects are often multi-faceted and involve many parallel tasks, we have tailored our processes to efficiently execute the projects for our clients. Our years of broadband planning with many public-sector clients has given us a deep understanding of how to manage these critical projects and ensure that milestones are met on time and on budget.

A testament to our project management abilities, Magellan has never missed a milestone or exceeded a project budget in over 10 years of broadband planning. We conduct strict QA/QC review of our projects by our independent project management staff to verify the best quality products for our clients. Our online project management system allows for tracking of key milestones, deliverables, critical path items, documents and works-in-progress. We will use this tool to periodically provide status updates and performance progress reports.



At the onset of the project, Magellan will work with the EDB/ASB project team to review the scope, set expectations and identify key milestones and timelines in a formal project kick-off meeting. We want to understand your priorities for completion of the project to determine how work should be carried out and in what sequence. We will build a work plan that lays out the timeline and milestones for the tasks of the project and any interim deliverables that the County would like to receive at the end of each phase. Since this is a significant, multi-phase project, we believe that interim deliverables will help ensure that Magellan and the County stay aligned throughout the project and that the work product meets the requirements of Sonoma County. We will work with the Sonoma County project team to incorporate any feedback and changes into the Plan.

Magellan will conduct an opening workshop with the EDB/ASB and other stakeholders that will be involved. Magellan will lead the workshop in conjunction with the EDB/ASB to (1) educate the stakeholder group about the broadband planning process and key broadband issues as it pertains to local government, understand the environment in the County and Cities (3) refine goals and objectives (4) lay out the initial project plan and timeline (5) review lines of communication and points of contact and (6) discuss other project related items. Magellan’s project staff will be onsite for the workshop. We will provide educational materials, agendas and other information to the stakeholder group in advance of the workshop.

Task 2: Community Engagement

Magellan will conduct community engagement with the 5 County Supervisorial Districts within the County, 9 cities, community agencies such as public safety, healthcare, Office of Education and other agencies the EDB/ASB would like to include. We will also meet with key business and industry representatives within the County to gain an understanding of their existing experiences and issues with local broadband. Further, Magellan will meet with key broadband providers that serve the County, which may include the local incumbents, cable companies, competitive providers and wireless providers.

We estimate that the outreach will comprise about 25 onsite meetings between Magellan project staff and stakeholders in the County, during which time we will explore specific broadband needs and issues and document the current environment reported by stakeholders. We will explore the broadband needs for public organizations to determine ways for the County's project to benefit schools, libraries, healthcare organizations, public safety and local government. The engagement will also solicit information from local business representatives to identify key broadband access and affordability issues in the business community and the potential impact to economic development. Further, our meetings with public stakeholders should indicate potential residential broadband issues among the communities as we meet with each type of stakeholder.

Task 3: Profiles of the 5 County Supervisorial Districts to Include the 9 Cities and Remaining Unincorporated Areas

Based on the information collected in the community engagement and market research conducted in each of the communities, Magellan will develop individual community profiles for each of the 5 County Supervisorial Districts containing the 9 cities and unincorporated areas. Profiles will be tailored to the specific areas covered, as each District differs in terms of urban, suburban and rural communities. This process will help ensure representation of all stakeholders across the County by covering each Supervisorial District and the communities contained within.

We will provide an analysis of the broadband environment in each District as well as direct and anecdotal information from the stakeholders that were included in the community engagement phase. We will identify key gaps and issues that the individual communities face and the source of key broadband issues that each community faces. We will also look for common issues, needs and opportunities across the communities that may be implemented through Countywide strategies. We believe that the communities should have individualized plans that work in concert with broader Countywide plans.

Task 4: Identify Key Issues and Policy Needs for Broadband Expansion

Based on the current broadband inventory and supply and demand issues, we will produce a thorough analysis of the current limiting factors in broadband development throughout the five Districts, identifying key issues and the root causes behind such issues. Some of the key issues we will investigate include:

- Supply and demand issues, resulting from demographic and topographical factors that contribute to overall cost of building broadband infrastructure;
- Rural-specific issues that limit investment by broadband providers;
- Limitations on last-mile infrastructure outside of metropolitan centers, which utilize cable or DSL based copper transmission lines;
- Limitations on middle-mile infrastructure connecting communities to major telecom points of presence in the area, including San Jose and San Francisco;
- Return on investment issues for service providers deploying new broadband infrastructure, due to low population density and fluctuating demand in rural areas;
- Topographical issues resulting in higher than average costs for broadband deployments in the local

environment; and

- Local and State regulatory issues governing the construction of broadband infrastructure.

We will analyze how these and other issues may be improved through policy development in the County, paying special attention to specific policy tools that the County and/or cities may either implement or change to (1) incentivize providers to deploy more, high-speed broadband infrastructure (2) accelerate the deployment of this infrastructure (3) reduce local regulatory/permitting costs (4) create collaborative opportunities with the County and other policy tools specific to the County. We will determine the jurisdictions where policy development should occur, both County and City and how these organizations may collaborate to develop cohesive policies with one another that impact the greater County area.

Task 5: Outline and Prioritize Strategies for County and Each Supervisorial District

Magellan will lay out the core strategies for each Supervisorial District to improve the local broadband environment and prioritize those strategies based on what was learned through the community engagement. We will look for short, mid and long term policy programs that can be implemented and provide a roadmap and options that the County can use to determine the best method for implementing such policies. The Plan will craft the most effective strategies for Sonoma County's communities to adopt to improve and enhance the availability of broadband services, leveraging public and private resources, grants, smart public policies and key partnerships among public and private organizations. We will work with each community to identify the highest priorities and identify solutions that are achievable.

We will review opportunities for each District and their local jurisdictions to integrate essential broadband infrastructure standards into their land development code to enable this infrastructure to be built with any relevant capital projects, such as road widenings/construction, water/sewer, street lighting, right of way and other projects. It will allow these organizations to install basic infrastructure at very low cost, "piggybacking" on existing projects that require trenching/boring in City/County right of way.

We will also review policy opportunities that define standards for development in any greenfield or brownfield redevelopment. In many cases, we have developed policies that specify installation of basic conduit, pull boxes and other outside plant infrastructure when developers are building residential and commercial parcels. We find that developers generally understand the value this brings to their developments, enabling them to market these new communities as "broadband ready."

Based on community need across all stakeholders, Magellan will identify the community strategies that have the most impact for broadband development. We will help Sonoma assess these based on the needs of the individual communities, opportunities at hand, financial consequences and total impact on long-term broadband development. We may find that potential partnerships with existing service providers can provide significant benefits to the community and that these projects can be fast-tracked to provide near-term benefit to stakeholders in the community. We will also evaluate collaborative opportunities between public agencies to fast-track broadband development, particularly for community anchors in the area.

Based on the analysis of public and private broadband infrastructure that is available, plus any planned broadband infrastructure improvements, this area will identify the gaps that must be filled with new investments to ensure Sonoma County has the necessary infrastructure to serve its communities. It will identify fiber-optic and related infrastructure that will be required of businesses, residents and community anchors. Magellan will develop network designs where needed to document the broadband infrastructure that is required to support stakeholder needs.

Magellan will work with the client team to identify “Middle Mile and Last Mile” connectivity solutions that will meet the requirement to deliver advanced broadband speeds to the various organizations that require access. While these last mile options may all be suitable for delivery of broadband services, it will be important to ensure the goal of high-speed, synchronous connectivity to the premises.

Task 6: Action Plan and Resources

Magellan will provide a broadband development roadmap to Sonoma County that lays out the key steps the County should take over the short, mid and long-term. We will identify the next steps that the County should take immediately following the conclusion of the planning project to begin implementing short-term strategies, allowing the Supervisorial Districts and County to rapidly begin moving forward to achieve near-term goals. Magellan recommends a phased approach to broadband development, utilizing small steps at first to demonstrate competence and success and building toward larger broadband goals. In this analysis, we will analyze the policy needs and opportunities that provide the greatest impact for the community at the least cost. We will evaluate the probability of receiving funding from federal/state grant and loan programs. We will also identify potential public/private and infrastructure sharing partnerships between entities, enabling private providers to efficiently utilize public sector infrastructure for a mutually beneficial outcome. We will utilize the 3, 7 and 10 year milestones to define the projects that should be undertaken to meet the community’s broadband demands by these dates. This will help keep the momentum of the broadband project strong and Sonoma County focused on achieving key milestones over the 10-year period.

Task 7: Produce Broadband Strategic Plan

Magellan will provide a final Strategic Plan to the County at the conclusion of this engagement that should be used as the guiding document for the County to adopt at the end of the project. It will contain all information contained from Tasks 1-6 and provide key policy recommendations and steps that the County may follow to implement the strategies detailed in the Plan. All supporting information such as individual task analysis, raw data, mapping (ESRI) shapefiles, technical analysis, pre-engineering designs, financial plans and related documents will be included with the Plan. Magellan’s project team will be readily available for in-person meetings with County leadership, the ASB and ESB, and other project representatives. We routinely present at council meetings and will do so if desired by Sonoma County.

Project Schedule

We estimate that over the 10-month duration of the project, approximately 10 days onsite will be required for successful completion of the project. During this time, Magellan will meet with ASB/ESB staff, hold meetings with stakeholders, review plans, visit regional sites and make presentations to the County’s project teams as well as other activities to be determined between Sonoma County and Magellan. Schedules will be determined cooperatively between Sonoma County and Magellan. Magellan will require some resources of the County staff to gather relevant regional data, work with local stakeholder to schedule outreach meetings, conduct interviews of Sonoma County staff with Magellan, participate on status calls and onsite meetings and participate in final presentations.

Task	Description	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10
1	Refine Project Goals and Purpose, Conduct Opening Workshop										
2	Community Engagement										
3	Profiles of the 5 County Supervisorial Districts to include 9 Cities and remaining unincorporated areas										
4	Identify Key Issues and Policy Needs for Broadband Expansion										
5	Outline and prioritize community strategies for County and each Supervisorial										
6	Action Plan and Resources										
7	Produce Broadband Strategic Plan										

IV. Cost Proposal

The total cost to Sonoma County as outlined in the chart below is \$90,000 and includes all work to be completed by Magellan for Sonoma County and expenses incurred by Magellan as stated in this Proposal. Our hourly rate for the proposal is \$165 per hour exclusive of overhead and travel, which is to be billed separately and is budgeted below.

Task	Description	Hours	Hourly Rate	Total
1	Refine Project Goals and Purpose, Conduct Opening Workshop	30	\$165	\$4,950
2	Community Engagement	100	\$165	\$16,500
3	Profiles of the 5 County Supervisorial Districts to include 9 Cities and remaining unincorporated areas	90	\$165	\$14,850
4	Identify Key Issues and Policy Needs for Broadband Expansion	50	\$165	\$8,250
5	Outline and prioritize community strategies for County and each Supervisorial District	90	\$165	\$14,850
6	Action Plan and Resources	70	\$165	\$11,550
7	Produce Broadband Strategic Plan	70	\$165	\$11,550
	Travel and Incidentals (Not-to-Exceed)			\$7,500
	Total Pricing (Not-to-Exceed)	500		\$90,000

Appendix A. Resumes

Courtney Violette, CISSP – SVP Operations

Education:

*Masters in Information
Technology Management
Webster University – St. Louis,
MO*

*Bachelor of Science in Computer
Science
Webster University – St. Louis,
MO*

Strengths:

- *Strategic Planning*
- *Broadband Deployment*
- *Market Planning*
- *Funding Strategies & Procurement*
- *Financial Planning*
- *Performance Management*
- *Contract Negotiations*
- *Operations Planning*
- *Technical Planning*
- *Technical Design*
- *Technical Implementations*
- *Operations Management*

Certifications:

- CISSP – Certified Information Systems Security Professional*
- *ITIL v3 Foundation*
- CCIO – Certified Chief Information Officer*
- CCNA – Cisco Certified Network Associate*
- MCSE – Microsoft Certified Systems*

Courtney has nearly fifteen years of executive management in telecommunications, consulting and government sectors. Experience in managing government telecommunication projects, strategic planning, technical architecture, implementation and operations.

Magellan Advisors LLC – Orlando, FL

Managing Partner/Senior Consultant - *Magellan Advisors is a full service consulting and technology services firm, specializing in telecommunications planning, deployment and management for public and private sector organizations.*

Senior Consultant focused on Technology, Broadband Deployment and Government Services. Performs technical consultations in the specific areas of network implementation and management, telecommunications services and information security. Assists organizations in the development of strategic management/technical plans focusing on alignment of technology initiatives with that of the business units. Coordinate and manage Data/voice/video projects for clients to include the negotiation and provisioning of carrier services from major telecommunications and upstream providers.

City of Palm Coast – Palm Coast, FL

CIO - *The City of Palm Coast located in North Florida serves a population of nearly 80,000. This full service city is a leader in Florida with investments in technology initiatives in commercialized broadband infrastructure geared toward providing business class services to regional anchor institutions and the Palm Coast business community.*

As Director of Technology and Communications/CIO, managed full services department of IT professionals in areas of Network/Telecommunications, Application Development, Geographic Information Systems and Video Broadcasting. Managed the implementation of Palm Coast FiberNET, Florida's first municipal owned "carrier-class" open-access network. Created departmental goals and objectives that directly aligned with the organization's vision, values and strategic plans. Responsible for risk management, information security audits, physical security and all federal regulations related to organizational data and infrastructure.

Valencia College – Orlando, FL

Associate Professor - *Valencia College ranks among the nation's top two year colleges and is considered a premier learning college that provides opportunities for academic, technical and life-long learning in a collaborative culture dedicated to inquiry, results and excellence.*

Full-Time Professor of the Computer Engineering Technology Department specializing in instruction in areas of Telecommunications, Network Services and Information Security.

Jory Wolf – VP of Digital Innovation

Education:

*University of California, Los Angeles, Los Angeles, CA
Management Information Systems*

*California State University Northridge, Los Angeles, CA
Bachelors of Science in Psychology and Biology*

PROFESSIONAL AFFILIATIONS

- *Member, Public Technology Institute*
- *Member, International City/County Manager Association*
- *Board Member, Government Technology Conference*
- *Board Member, Government and Business Technology*
- *Presenter at over 30 conferences, symposia, and invited keynotes*

PROFESSIONAL AWARDS

- *Los Angeles Business Journal, 2012 CIO Lifetime Achievement Award*
- *Public Technology Institute Award, Management Strategies*
- *Public Technology Institute Award, Telecommunications Strategies*
- *Helen Putnam Award, Innovative Government Services*
- *Public Technology Institute Award, Interactive On-line Services*
- *Los Angeles Consortium of Governments Award, Best Practices in Technology*

Technology executive with 35 years of public sector technology experience. Chief Information Officer for the City of Santa Monica, CA for 22 years as well as 17 years of experience in planning, building, and operating broadband fiber optic and wireless networks. Built two highly successful systems, CityNet, and CityWiFi.

Developed cost effective approaches to implementing municipal broadband that offers net neutrality, local control, stimulates development of tech and entertainment sectors, offers digital inclusion and fiber to the home, and energizes the local economy.

City of Santa Monica, CA.

Chief Information Officer - *Implemented broadband systems that support innovation in government services, and enables public service and community stakeholder institutions to improve community health, education, safety and wellbeing.*

Planned and managed the implementation of a new \$9.5 million P25 compliant trunked public safety radio system for first and second responders as part of the ICI regional interoperable system.

Planned and managed the City's centralized automated systems and related services, including personnel and equipment and provided strategic development and use of information technologies; overseeing design and implementation of new systems; coordinating citywide acquisition of software and hardware, including development and implementation of a long-range funding plan for maintenance and replacement of hardware; and managed operations and customer support functions for software applications, telecommunications systems and network systems and related technology services.

Established goals and policies in accordance with mission and service level objectives; prioritized and supervised the implementation of goals and objectives.

Managed the preparation and administration of operating and capital improvement budgets and recommended and approved technology budgets and expenditures for all departments.

Developed and implemented citywide long-range information systems strategies, which involved facilitating discussions with City management regarding current and anticipated information services requirements, applications development, enhancement requests and alternative approaches.

Managed design, development and implementation of telecommunications programs and systems, including municipal fiber optic networks, Wi-Fi hot zones, voice over internet protocol (VOIP), traffic signal networks, traffic camera networks, new 911 dispatch systems for Police and Fire, public security video networks, public safety in-vehicle camera and computer systems, jail video systems, radio networks supporting advanced fleet management for bus operations, and in-building networks for the new Public Safety Facility and Main Library.

Managed design, development, implementation, training and customer support for client server software applications; geographic information systems (GIS); electronic document management systems (EDM); world wide web (WWW) Internet/Intranet/Extranet; telecommunication systems including telephone switches, key systems, call accounting systems, voicemail systems, interactive voice response systems,

cabling systems and automated call distribution systems; and network systems and services including servers, desktop computers, printers, data switches, routers, hubs, gateways, and firewalls.

Greg Laudeman, Ed.D. – Senior Broadband Consultant

Education:

Doctorate of Learning & Leadership,
University of Tennessee at
Chattanooga

Master of Science, Public Policy,
Georgia Institute of Technology

Master of Arts, Telecommunication,
Michigan State University

Bachelor of Arts, Mass
Communication, University of
Tennessee at Chattanooga

Strengths:

- Community & Economic Development
- Entrepreneurship
- Group Processes
- Project & Program Management
- Qualitative & Quantitative Research
- Stakeholder Engagement
- Strategic Planning
- Systems Design
- Talent & Technology Strategies

Greg has over 30 years of experience working at the intersection of community and technology. He has diverse experience in academia, major corporations, and startups. He has worked with leaders from small businesses and communities to major enterprises and metros to mobilize stakeholders for growth and innovation.

Eduity, LLC – Chattanooga, TN

Executive & Founder – Eduity provide talent and technology based economic development services, including consulting and software-as-a-service, to mobilizes entire communities to make sure people and employers have the capabilities they need to succeed—the right skills and the right tools in the right place at the right time.

Provide insight, strategy, and vision for Eduity and its customers, including business models, financial plans, marketing strategies, and system designs. Develop and lead development teams. Conduct customer discovery, cultivate market opportunities, and engage stakeholders to ensure success. Develop and promote a vision for transforming community, economic, and workforce planning & development as a truly collaborative, participatory process. Developed and lead the Northwest Georgia Regional Commission’s Digital Region 1 initiative to foster top-line growth via software, skills, and services.

Senior Consultant to Magellan Advisors, is a full service consulting and technology services firm, specializing in telecommunications planning, deployment and management for public and private sector organizations

Senior Consultant focused on Broadband Strategy. Performs market and technical assessments for broadband services. Engage community stakeholders and lead associates to gain buy-in and generate assessment information. Assists organizations in the development of strategic management/technical plans focusing on alignment of technology initiatives with that of the business units. Coordinate and manage broadband projects for clients to ensure economic impact and viability.

Georgia Tech Enterprise Innovation Institute – Atlanta, GA

Program & Project Manager - The Enterprise Innovation Institute (EI2) is the outreach, public service, and technical assistance arm of the Georgia Institute of Technology. EI2 is the nation’s largest and most comprehensive university-based program of business and industry assistance, technology commercialization, and economic development.

Developed and lead innovative programs for community- and technology-based economic development, including an innovation district plan for Midtown Atlanta and university-based inter-firm network for small- to medium-sized technology companies in the Atlanta area. Worked throughout rural Georgia and in mid-sized cities to increase the availability and use of broadband. Conducted research, developed program proposals, lead planning processes, and prepared and delivered workshops, seminars, presentations, and other programs for diverse groups of stakeholders.

Dan Howick – Senior Fiber–Optic Engineer

Education:

*Outside Plant
Engineer Courses
Brevard Community
College – Melbourne,
FL*

Certifications:

- *ETA Certified
Fiber Optics
Installer*
- *Fiber Optic,
Design,
Installation, &
Maintenance
Course*
- *DC Power Unit
Class*
- *Certified in
O.S.P.
Construction
Management*
- *Certified in
OPEDS job
Management*
- *Certified in BST
CAD*
- *Certified General
Contractor*
- *Certified
Excavation and
Underground
Utilities
Contractor*

Dan Howick has extensive knowledge and experience in various fields in the telecommunications industry. His desire and proven expertise in the telecommunications industry is reflected in his work history credentials. Dan's background includes experience in managing various telecommunications projects specializing in network design and building infrastructure for several major telecommunications companies. His involvement with projects has included every aspect from hands on experience working with network equipment to managing multi-million dollar engineering & design projects and personnel.

Danella Construction Corp. - Melbourne, FL.

Business Development Manager- Dan began his career in the telecommunications industry at BellSouth in 1998, shortly after proudly serving as a Paratrooper in the United States Army. His dedication and commitment to advancing his career has lead him to hold a variety of positions in the telecommunications industry. Dan works hand-in hand with some of the nation's largest Telecommunications service providers, who relying on his reputation and industry knowledge to help design & install some of the worlds latest technologies.

Utility Consultants Inc. - Orlando, FL.

Building Industry Consultant- Responsible for all community, marketing and business development activities. Achieved penetration rates of over 68% of community customers both residential and businesses as an over-builder of incumbents. Achieved sustainability and growth for 10 consecutive years bring community broadband project to positive cash flow in 24 months and operational profits by year three. Manages and oversees the FOCUS division that provides consulting services for other community broadband projects. Won the National League of Cities Gold Award for the best sustainable community broadband network and the ICF 7 award for the best Community broadband network in America and top three in the world.

NorthStar Communications Group - Orlando, FL.

OSP Engineer – Responsibilities included engineering of multi-million-dollar high capacity fiber optic network for Level 3 Communications. Highly complex field engineering for 20-way conduit system, permitting for right of way use and construction in all applicable municipalities, reviewing and revising all engineering drawings received from drafting department, and generating weekly reports used for project scheduling and forecasting.

Fluor Daniel Telecom - Melbourne, FL.

Outside Plan Engineer Technician - Job duties included, engineering of Bics, FITL, Safety, Distribution, Service Orders, Rehab, Pole Replacements, and Customer Complaint jobs for BellSouth. Submitted, maintained, and followed up on permits for jobs engineered. Input and updated job information into computer network based software applications. Used computer knowledge and teamwork in assisting other engineers with their computer complications to help achieve goals and deadlines.

Richard Jocelyn – Telecommunications Analyst

Strengths:

- *OSP Design for USAF*
- *IDAS/ODAS deployments and 4G, AWS rollouts*
- *Structured Cabling*
- *Data Center builds*
- *CCTV Design and engineering*

Richard has over 26 years of telecommunications experience which includes decades of outside plant (OSP) underground and aerial copper, coaxial, and fiber-optic installation and management in public, private and military settings.

Betchel – Nashville, TN

Senior OSP Design Engineer – Engineer on google fiber project 3 GUS mapping. Performed field engineering for customer to address any make ready issues with fiber routing. Also responsible for OSP fiber provisioning, fiber matrix design and OTDR fiber testing and tracking.

Comcast Cable Communications Inc. –, Winchester, VA

Construction Coordinator – Acted as the liaison between contractors and customers for SDU/MDU builds. Identified areas for white line proposed pathways for locates. Responsible for obtaining DOR and power permitting make ready as needed, pole lease agreements with local utilities for plant extensions, submittal of cost and time to enter into internal tracking management software, and review of all field design changes and red-line drawings. Performed QC checks all aerial and underground construction prior to sign off of project. FTTH fiber design and construction scopes for internal construction department.

All-Pro Wireless –Manhattan, NY

Wireless System Implementer- Responsible for the installation of Verizon small cell roof top builds, to include all transport fiber for MDU and SDU units. Responsible for overseeing all material logistics, site walks with customers and landlord to identify any issues with installs, scheduling allocation of fiber at Central Office for client sites, and performing testing on T-1 extensions using T-bird testing tools.

Bailey Systems– Fairfax, VA

Infrastructure Installation Manager – Acted as field engineer to solve construction drawing and field make ready discrepancies. Oversaw all in house installation crews of structured cabling systems including Ethernet CCTV and security systems. Responsible for performing fiber-optic quality assurance for workmanship and proper plumbing per customer requirements and construction drawings, as well as tracking and updating project tracking software to ensure project milestones are met.

Payment Request Cover Sheet

Name of Consortium	North Bay North Coast Broadband Consortium		
Approved Grant, Year 1	\$125,000		
Approved Grant, Year 2	\$125,000		
Period of Progress Payment Request (Y1Q1, Y1Q2, etc.):	Y1Q2		
Quarter Ending (MM/YY):	03/17		
	Amount Requested	Amount Approved	Amount Received
Start-Up Costs			
Y1Q1, Progress Payment	\$ 18,906.50	\$ 18,906.50	\$ 18,906.50
Y1Q2, Progress Payment	\$ 21,487.50		
Y1Q3, Progress Payment			
Y1Q4, Progress Payment			
Y2Q1, Progress Payment			
Y2Q2, Progress Payment			
Y2Q3, Progress Payment			
Y2Q4, Progress Payment			
Total	\$ 21,487.50	\$ 18,906.50	\$ 18,906.50

INVOICE



Date: July 13, 2017
 Invoice # 102 Fiscal Year 2016-2017 - 2nd Quarter
 Period Invoiced: 04/01/17 - 06/30/17

Marin Broadband Task Force

County of Marin TO Steve Sharpe
 371 Bel Marin Keys Blvd Sonoma County Economic Development Board
 STE 100
 Novato, CA 94949
 Phone 415-473-7060
 blayton@marincounty.org

CONTACT	PAYMENT TERMS	DUE DATE
	Due on receipt	

QTY	DESCRIPTION	UNIT PRICE	LINE TOTAL
	Activity #4 Network Development & Financing Models	\$2,227.50	\$2,227.50
	Activity #6 Funding Program Application Support	\$5,197.50	\$5,197.50
	Note: See attached detailed workseet for billed hours, by Work Plan Activity, and by month. All billed hours are invoiced at the rate of \$110 per hour.		
SUBTOTAL			\$7,425.00
SALES TAX			
TOTAL			\$7,425.00

Make all checks payable to: County of Marin

Timesheet Details by Team

Commnexis, Inc.

Between April 01, 2017 and April 30, 2017

	Client	Project	Task	Notes	Hours	Billed
Pratt, Peter						
04/04/17	Marin County - IST	MBTF-Activ. 4 - Access Network Models	Access Network Model Development	Nicasio Broadband Network Conference call.	1.00	yes
04/09/17	Marin County - IST	MBTF-Activ. 4 - Access Network Models	Access Network Model Development	Review and mark-up of 2 documents (NLOA Board Request & NLOA - Inyo Executive Summary of proposed transactions) relayed by the Broadband Subcommittee of Nicasio Landowners (NLOA). Bilateral negotiations and framing of fundraising instruments by NLOA and Inyo appear complete. The 2 documents support the NLOA Board vote proposed for this week, and required to implement the main agreement. Request of NLOA for quick review as to industry terms and practices.	1.50	yes
04/10/17	Marin County - IST	MBTF-Activ. 4 - Access Network Models	Access Network Model Development	Conf. call: w /NLOA Broadband Steering Com. reviewing plan for final legal Agreements necessary for launch of Subscriber Prepayment mailings, for Nicasio Broadband Network (NBN) 'local Match' funding round.	0.75	yes
04/10/17	Marin County - IST	MBTF-Activ. 4 - Access Network Models	Access Network Model Development	Review of Master Service Agreement (MSA) and Exhibit to MSA, for NLOA-Inyo final negotiations. Forwarded to NLOA, and P. Pratt by Inyo, following mark-up by Inyo counsel. Review in preparation of conf. call of 04/11.	0.50	yes
04/11/17	Marin County - IST	MBTF-Activ. 4 - Access Network Models	Access Network Model Development	Conference call: NLOA - Inyo. Final item review, and scheduling: Agreements, back office support processes, final legal reviews, and NLOA Board meeting. All processes and schedule have goal to issue PrePayment Subscriber documents by Tuesday, 04/18.	1.00	yes
04/11/17	Marin County - IST	MBTF-Activ. 4 - Access Network Models	Access Network Model Development	Call to, following request: B. Fuller of Greenfield Communications, an attendee at CPUC-CD White Paper Workshop of 02/28/17. Mr. Fuller expressed interest in applying for CASF funding to serve Bolinas. E-mail follow-on stating BCPUD Board has to direct responses to inquiries, given vote of Board to issue RFP.	0.50	yes
04/17/17	Marin County - IST	MBTF-Activ. 4 - Access Network Models	Consultation & Research - Network Design	Communications with Bolinas Fire IT contractor, Ian Johnson, on specific PG&E ROW routes for possible middle mile access to Bolinas area. Review of previous KMZ files supplied. Reference to PG&E filing with CPUC for CPCN status.	2.50	yes

	Client	Project	Task	Notes	Hours	Billed
04/19/17	Marin County - IST	MBTF-Activ. 4 - Access Network Models	Access Network Model Development	Conference call: On Bolinas PUD legal issues, in re requirements for issuance of RFP, for developmental partner selection purposes. On call: Director L. Comstock, BCPUD; GM J. Blackman, BCPUD; Assist. County Counsel B. Case. Call requested by Dir. Comstock, based on initial request to Sup. Rodoni to Counsel.	1.50	yes
04/20/17	Marin County - IST	MBTF-Activ. 4 - Access Network Models	Access Network Model Development	Plan & action item drafting for BCPUD broadband developmental RFP. Survey of best current models of CA-based public-private ventures.	1.50	yes
04/21/17	Marin County - IST	MBTF-Activ. 4 - Access Network Models	Consultation & Research - Funding	Call from BCPUD Director L. Comstock. Discussion about scheduling for, and substantive issues of, the planned RFP for a broadband developmental partnership with the Bolinas Community PUD (BCPUD).	0.90	yes
Total					11.65	
ALL TOTAL					11.65	

Timesheet Details by Team

Commnexis, Inc.

Between April 01, 2017 and April 30, 2017

	Client	Project	Task	Notes	Hours	Billed
Pratt, Peter						
04/08/17	Marin County - IST	MBTF-Activ. 6 - State Funding	Access Network Funding Support - State	Over the period 4/5 - 4/7: Multiple calls, e-mails, and reviews of documents and statements: In re final negotiating points between Inyo Networks and NLOA. Calls set for early in week of 4/10. Support of both parties to move ahead to launch 'local match' funding instruments.	6.50	yes
04/13/17	Marin County - IST	MBTF-Activ. 6 - State Funding	Consultation & Research - Funding	Call from R. Volker of Inyo Networks. Discussion of final requirements and status of Inyo - NOLA financial instruments. Resolution: Inyo determination to complete documents immediately.	0.75	yes
04/14/17	Marin County - IST	MBTF-Activ. 6 - State Funding	Consultation & Research - Funding	Multiple communications on Nicasio Landowners' pending Board vote to ratify final legal instruments negotiated with Inyo. Review of final draft documents. Determination that both parties are prepared to agree to send out Prepayment documents. Communication of Confirmation as to status with Inyo Networks. Communication from NLOA following successful Board vote. E-mail documentation sent to Sup. D. Rodoni, L. Cordova, T. Flanagan, PM hrs.	4.50	yes
04/17/17	Marin County - IST	MBTF-Activ. 6 - State Funding	Consultation & Research - Funding	Scheduled outbound call to BCPUD Director, L. Comstock on possible RFP strategies for Bolinas community participation in network development project.	1.50	yes
04/18/17	Marin County - IST	MBTF-Activ. 6 - State Funding	Access Network Funding Support - State	Conf. call with: NOLA broadband comm. members, E. Blantz & P. McDonnell, Inyo Networks R. Volker. Extensive discussion about details of moving prepayment agreements out to residents / possible subscribers that have expressed interest. Inyo description of ramping-up its operating capabilities focused on Nicasio.	1.00	yes
04/18/17	Marin County - IST	MBTF-Activ. 6 - State Funding	Access Network Funding Support - State	Call w/ BCPUD Director Comstock: Options for RFP structure.	1.00	yes
04/19/17	Marin County - IST	MBTF-Activ. 6 - State Funding	Access Network Funding Support - State	Attendance at, and participation in discussion of, BCPUD Bd. of Directors meeting. Discussion, about plan to draft RFP and work with BCPUD staff and County Counsel on the document.	1.50	yes
04/19/17	Marin County - IST	MBTF-Activ. 6 - State Funding	Access Network Model Development	Review of Nicasio three (3) options possible for 'local match' fundraising. Priority is on subscriber prepayments, but two (2) back-up funding mechanisms are planned if required. Documentation of 3 options for County personnel, and continuing review with Nicasio partners.	2.00	yes

	Client	Project	Task	Notes	Hours	Billed
04/25/17	Marin County - IST	MBTF-Activ. 6 - State Funding	Access Network Funding Support - State	Attendance at, and Q & A directed discussion / participation in, Internet Subcommittee of Bolinas Internet Access Subcommittee of BCPD. Report on going forward strategy on issuance of RFP by BCPUD.	3.50	yes
04/26/17	Marin County - IST	MBTF-Activ. 6 - State Funding	Access Network Funding Support - State	Review of options, suggestions & strategies discussed at Bolinas Internet Access subcommittee meeting of 4/25. Documentation and review w/ T. Flanagan of County IST of suggested focus and refinements needed in approach.	2.50	yes
04/29/17	Marin County - IST	MBTF-Activ. 6 - State Funding	Access Network Funding Support - State	For the period: 4/20 - 4/29 (following BCPUD meeting of 04/19) - Collection and review of current / recent public sector RFPs for broadband network development, and/or public-private-partnerships. Peer communications w/ F. Pilot on current developments and optimal models. Assignment from BCPUD is submittal of draft outline by 05/11 for staff and counsel review.	7.50	yes
Total					32.25	
ALL TOTAL					32.25	

Timesheet Details by Team

Commnexis, Inc.

Between May 01, 2017 and May 31, 2017

	Client	Project	Task	Notes	Hours	Billed
Pratt, Peter						
05/03/17	Marin County - IST	MBTF-Activ. 4 - Access Network Models	Consultation & Research - Funding	Conference call on drafting of BCPUD RFP for broadband development, with: Director L. Comstock	2.15	yes
05/10/17	Marin County - IST	MBTF-Activ. 4 - Access Network Models	Access Network Model Development	Review telephone call, w/ BCPUD Director L. Comstock. Detailed discussion on this firm's findings and recommendations for review of points by counsel.	1.50	yes
05/16/17	Marin County - IST	MBTF-Activ. 4 - Access Network Models	Consultation & Research - Funding	Final drafting and submittal to BCPUD of Memo of questions recommended to be asked of legal counsel to the Public Utility District.	4.00	yes
05/22/17	Marin County - IST	MBTF-Activ. 4 - Access Network Models	Access Network Model Development	Support of Nicasio Landowners' requests for fundraising assistance: Plan B, Private Placement Memo; Plan C., tax deductible prepayments, via 501(c)(3) entities. Multiple calls and e-mails w/ Landowners & Inyo Networks. Verbal confirmation of fundraising total, at \$703k.	3.00	yes
Total					10.65	
ALL TOTAL					10.65	

Timesheet Details by Team

Commnexis, Inc.

Between May 01, 2017 and May 31, 2017

	Client	Project	Task	Notes	Hours	Billed
Pratt, Peter						
05/03/17	Marin County - IST	MBTF-Activ. 6 - State Funding	Legislative Analysis - State	Review of new version of AB 1665, dated 05/02/17. Brief report to Sup. D. Rodoni, and to Consortium Manager, responsive to on-point question of Manager, T. West.	1.00	yes
05/06/17	Marin County - IST	MBTF-Activ. 6 - State Funding	Access Network Funding Support - State	Continued RFP legal framework points for review by counsel, for BCPUD possible partnership / sponsorship of network build for Bolinas community. For the period: 05/01 - 05/06	6.50	yes
05/12/17	Marin County - IST	MBTF-Activ. 6 - State Funding	Access Network Funding Support - State	E-mails in response to Sup. Rodoni's direction in re Nicasio Landowner's request to have County facility (Nicasio Corp. Yard) become a NBN 'prepayment subscriber'. MSA sample copy from Inyo, arrangements for County property survey. E-mails w/ NOLA, Inyo, County IST, County Public Works. For the period: 05/11 - 05/13.	4.50	yes
05/13/17	Marin County - IST	MBTF-Activ. 6 - State Funding	Access Network Funding Support - State	Continued RFP legal framework points for review by counsel, for BCPUD possible partnership / sponsorship of network build for Bolinas community. For the period: 05/01 - 05/06	9.00	yes
05/23/17	Marin County - IST	MBTF-Activ. 6 - State Funding	Consultation & Research - Funding	Conf. call on: Nicasio Broadband Network (NBN), with 3 reps. of Inyo Networks, 2 from Nicasio Landowners. Update / confirmation of local match funding collected to date. Request to MBTF for support of 2 final processes for funding: Investment memo, Non-Profit. Pratt assigned tasks for support of both.	1.50	yes
05/30/17	Marin County - IST	MBTF-Activ. 6 - State Funding	Access Network Funding Support - State	Conference call: Nicasio Broadband Network (NBN). Support needs, and final operations for 'local match' funding. On call: Nicasio Landowners: 2; Inyo Networks: 3.	1.25	yes
Total					23.75	
ALL TOTAL					23.75	

Mendocino County

INVOICE

To:	Sonoma County Economic Development Board					Q 2 Invoice-NBNCBC
	141 Stony Circle					2017 April-May-June
	Santa Rosa, CA 95401					
From:	County of Mendocino					
	Building and Planning Services					
	860 N. Bush Street					
	Ukiah, CA 95482					

Period Invoiced: April 1 - June 30, 2017

Activities for this invoice

	Activity 1	Activity 2	Activity 3	Activity 4	Activity 5	Activity 6	Totals
April	\$ 721.50	\$ 722.00	\$ 722.00	\$ 722.00	\$ 60.00	\$ -00	\$ 2,947.50
May	\$ 781.50	\$ 782.00	\$ 782.00	\$ 782.00	\$ 120.00	\$ 150.00	\$ 3,397.50
June	\$ 27.00	\$ 26.00	\$ 26.00	\$ 26.00	\$ 120.00	\$ 305.00	\$ 530.00
Totals	\$ 1,530.00	\$ 1,530.00	\$ 1,530.00	\$ 1,530.00	\$ 300.00	\$ 455.00	\$ 6,875.00

Invoice Summary

	Budgeted	Invoiced to Date	CURRENT Invoice:	Remaining Funds
Personnel:	\$27,500.00	\$ 6,874.50	\$ 6,875.00	\$ 13,750.50
Special Consultants:	\$ -00	\$ -00	\$ -00	\$ -00
Totals:	\$27,500.00	\$ 6,874.50	\$ 6,875.00	\$ 13,750.50
			Total Now Due:	\$ 6,875.00

Thank you,						
Trish Steel						
Mendocino County Manager for NBNCBC						
Mendocino County						
July 10, 2017						

CASF ACTIVITY DETAIL REPORT

Activity 1: Ensure Community Involvement		
APRIL	\$721.50	Outreach to: Road 409 community, County CEO, Cal-Fire, Fort Bragg and Ukiah city officials, Municipal Advisory Councils, Sheriff, media, Alliance email list, Mendocino County Supervisors, PUC commissioners, writing of content and posting of information on website (data, reports, consumer education, P3 info, legislative updates), Congressman Huffman's office, Senator McGuire End-of-month report for Executive Committee of Broadband Alliance, social media posting on events and relevant topics
MAY	\$781.50	Email and outreach to mailing list and social media on variety of topics including County Goals & Strategies, CASF white paper, digital divide, reports, Net neutrality, AB 1665, upcoming meetings, AT&T iPad trainings; 5/5 Public Outreach meeting - agenda prep, meeting notifications, meeting, follow-ups; outreach to city councils, fire chiefs, chamber of commerce; meeting at County Office of Education;
JUNE	\$27.00	Outreach to county and city officials and conference call with WEST company;
Activity 2: Develop Last Mile Community Plans/projects		
APRIL	\$722.00	Provider/PGE communication for pole access for potential project; research on pole access issues; communication with AV Grange on last mile needs/project; conference call with Round Valley on needs/possible project; follow-up with Fort Bragg city officials and provider on potential project; scheduling meeting of providers
MAY	\$782.00	Communication with providers/city officials re Fort Bragg fiber plan; review of PGE CPCN application for potential for projects; CLEC association outreach; participation in PUC workshop on CASF reform (call-in), review and draft of written summary of PUC staff white paper on CASF reform and outreach to local providers to encourage participation; review of comments; review of muni-fiber network report and counter ILSR report; research on Wil-Tel conduit in Mendocino for potential project; research into micro-trenching;
JUNE	\$26.00	Participation in Broadband USA webinar on "funding broadband networks"; scheduling and planning for Westport Community presentation/meeting on community needs
Activity 3: Develop County Goals and Strategies		
APRIL	\$722.00	Planning and scheduling of Broadband Working Group 2nd meeting; outreach for endorsements for County Goals & Strategies from variety of groups; scheduling and developing City Council presentations and Municipal Advisory Council presentation; Laytonville and Hopland MAC presentation; keeping website updated on Goals and Strategies endorsements/info
MAY	\$782.00	Presentation on Goals to the Ukiah City Council presentation, Willits City Council, Point Arena City Council and Fire Chiefs Association meeting; Broadband Working Group meeting May 12 and follow-up; scheduling and prep for Chamber of Commerce presentation; continued follow-up on endorsements;
JUNE	\$26.00	Preparation for Board of Supervisors presentation; outreach and dialog with County Transportation Department on Goals/Strategies;
Activity 4: Involve and Work with Telecommunications Providers		
APRIL	\$722.00	Participation in CalTrans Working Group to ensure collaboration with telecommunications providers for broadband conduit; calls with local provider on current community projects; work with ATT on their "It can Wait" campaign; outreach to Frontier; scheduling, prepping and participating in introductory meeting with 2 providers for collaborative partnership; participation with AT&T CWA workers on their research/report and media outreach call on same.
MAY	\$782.00	Planning calls with provider partners (SeaKay); review of Frontier CASF re-hearing requests and white paper comments; participation in PGE/fire chief meeting; continued outreach to providers on CASF program and white paper (Pacific Internet, MCN, Seakay, 101 net links, Central Valley Cable, Further Reach; Ukiah Wireless, SkyFiber); follow-up to outreach; outreach for updated provider info and updating website;
JUNE	\$26.00	Discussions with new provider in Laytonville area on potential projects; tour of his current project area; work with providers on draft comments to PUC white paper.
Activity 5: Participate and Wok on Consortium-wide activities		
APRIL	\$60.00	Call with consortium partners; updating website with NBNCBC info; Completion of Q1 report; Oversight Committee meeting agenda review and comments; Oversight Committee notes and distribution;
MAY	\$120.00	Consortium partner planning calls; communication within consortium for development of potential consortia comments to white paper;
JUNE	\$120.00	Review and edit of manager's proposed strategies for white paper; planning call with consortia partner;
Activity 6: Foster the implementation of Adoption and training programs		
APRIL	\$0.00	No activities charged to grant
MAY	\$150.00	Editing and posting of new "Digital Divide" articles on website under consumer education; promotion of AT&T and Comcast's low-cost adoption programs; delivering of program flyers to coast library and County Office of Education; planning meeting with MCOE for promotion of program within school districts;
JUNE	\$305.00	Promotion of AT&T's "It can Wait" campaign, and helping to get contacts within the Fort Bragg School District for AT&T's reps; article in local paper Westport Wave on upcoming outreach campaign in area; outreach to "computers for classrooms" for low-cost computers to coast senior center; phone call AT&T on Internet Access program; posting of "Crossing the Digital Divide" articles on website; outreach to realtors for discussion of ideas for promotion of internet to 2nd home-owners in area;

Invoice

	Date: May 4th 2017		Invoice No:	2017-4	
	To: Mendocino County		From:	Trish Steel	
	Planning and Building Services			PO Box 287	
	860 N. Bush Street			Laytonville, CA 95455	
	Ukiah, CA 95482			707-354-3224	
Invoice Summary for April 2017 Services					
Date	Description	Hours/ miles	per hour (or mile)	Amount	Amount Totals
4/1/17 to 4/29/17	Grant Activities Total	98.25	\$30.00		\$2,947.50
	Non-grant Activities Total				\$1,646.86
	Invoice Total				\$4,594.36
Non-grant re-imbursements					
4/1-4/29	Broadband hours (non-casf)	36.75	\$30.00	\$1,102.50	
April 4,5,6,21	Travel time	10.5	\$15.00	\$157.50	
April 4,5,6,21	Mileage	447	\$0.535	\$239.15	
4/4/17	Motel re-imbursement			\$104.53	
	Staples Ink			\$30.18	
	Sacramento parking for PUC meeting (3/28/17)			\$13.00	
			sub-total	\$1,646.86	
<i>Patricia Steel</i>					
Mendocino Broadband Consultancy, Business License #113857				Total Due	\$4,594.36

Table 1

Date	CASF Grant	Broadband (non-casf)	Total Daily Hours	Travel hours	Mileage	Details
4/4/17	2.5	2.5	5	3.5	180	CalTrans meeting in Sacramento; Q1 report
4/5/17	3.75	3.5	7.25	3.25	117	McGuire Legislative meeting; CBC meeting
4/6/17	5.5		5.5	2.75	70	CPUC meeting in Santa Rosa
4/7/17	6.25	2	8.25			McGuire outreach; SCP outreach; media outreach; review of scoping memo for RCC; outreach to PUC commissioners; supervisors; OEM report; posting of PUC round 12 data on website
4/8/17		2	2			Review of all Comments on Phase 2 scoping memo;
4/9/17	0.75	6.75	7.5			Draft of reply comments to scoping memo; editing of website
4/10/17	7.25	0.25	7.5			Oversight Comm agenda review and comment; Q1 reporting/invoicing; Edits of comments; outreach to Sheriff; Q1 invoice and report details; outreach to BoS; NBC correspondence re: new commissioners, File organization; BWG-2nd meeting description, email, agenda, doodle poll
4/11/17	5.5	1	6.5			Benton Review; provider meeting/pge meeting details; BWG 2nd mtg details; follow-up on Goals endorsements; scheduling of city council meetings for goals; Follow-up on goals endorsements;
4/13/17	6.5	1.5	8			NBNCBC email; District Hospital outreach; RRC survey results review; Frontier data review and distribution; BB goals outreach (So. Coast Chamber, etc)Outreach on 5 topics to email list; Writeup of 2017 BB legislation; posting on website; Review of outage websites; file maintenance; email with Lake co providers;
4/14/17	6	0.25	6.25			Review of LCBS concept plan; outreach on Rd 409; conversation with LCBS CEO; review of FCC auction results; Ukiah presentation to city council; filament strategy research;
4/17/17	6.25	0	6.25			Benton Review; Eldo Telecom review; Social media posting; email follow-up; Consumer Education Blog update; call with Provider re plans/meetings
4/18/17	8.25	2	10.25			Scheduling of meeting between 2 providers; review of AB1655 for TW; Regional BB Summit livestream and notes; review of CWA report on AT&T deployment statistics; Prep for Hopland MAC presentation; printing of materials.
4/19/17	1.75	1.5	3.25			ASB meeting in SR;Review of ME Broadband Plan; Q1 invoice review; SC RFP; Presentation at the Hopland MAC of BB Goals
4/20/17	4.25	2	6.25			Meetings in Ukiah w SK and LCBS; IFAN call; CWA Press release call;
4/21/17	3.25	2.5	5.75	1	80	Meetings in Ukiah; SK and LCBS; IFAN call; CWA Press release call;
4/22/17	4	0	4			Revision of CWA talking points and interview with Mickie;
4/24/17	5.25	2	7.25			Practice call with CWA on Press release on report;IFAN framework review/email/potential support; Ukiah city council presentation prep (staff summary, other documents, PP); Website updating; Ukiah presentation materials, emails; CalTrans conduit info to Indep. Coast Observer;follow-up on Ft. Bragg meeting with city officials/provider.
4/25/17	1.25	5.5	6.75			Willits City Council Agenda template; CWA press release call; Outreach to Sheriff on Goals; review of application for rehearing on Digital 299; email; ATT fiber plans outreach to SC; Outreach (fire chiefs, city officials, supervisors); meeting schedule for PGE/SK and BWG; website updating.
4/26/17	8.5	0	8.5			LMAC outreach re presentation; review of Access Sonoma Meeting notes; research/email/calls connecting potential funder with provider; Benton review; Work with clerks from Ukiah, Willits and Fort Bragg on documents for presentation; LMAC prep and presentation; BWG scheduling; email; phone calls
4/27/17	6.25	0	6.25			Follow-up with people re Goals presentations; Calls on support for BB goals; posting on website and social media; Prep for OS meeting; OS meeting;
4/28/17	5.25	1.5	6.75			Benton review; FCC 5/17 meeting agenda review and NPRM; outreach to Fire Chiefs Association on BB goals;
	98.25	36.75	135	10.5	447	

Invoice

	Date: June 5th 2017		Invoice No:	2017-5	
	To: Mendocino County		From:	Trish Steel	
	Planning and Building Services			PO Box 287	
	860 N. Bush Street			Laytonville, CA 95455	
	Ukiah, CA 95482			707-354-3224	

Invoice Summary for May 2017 Services

Date	Description	Hours/ miles	per hour (or mile)	Amount	Amount Totals
5/1 - 5/31	Grant Activities Total	113.25	\$30.00		\$3,397.50
	Non-grant Activities Total	32.75	\$30.00		\$1,694.89
	Invoice Total				\$5,092.39
Non-grant re-imbursements					
May	Broadband hours (non-casf)	32.75	\$30.00	\$982.50	
May	Travel time	15	\$15.00	\$225.00	
May	Mileage	670	\$0.535	\$358.45	
5/3/17	MCN billing			\$17.00	
5/12/17	BWG Lunch			\$46.94	
5/23/17	Overnight accommodations			\$65.00	
			sub-total	\$1,694.89	
<i>Patricia Steel</i>					
Mendocino Broadband Consultancy, Business License #113857				Total Due	\$5,092.39

Table 1

Date	CASF Grant	Broadband (non-casf)	Total Daily Hours	Travel hours	Mileage	Details
5/1/17	7.25	0.5	7.75			Review/input/call of NBNCBC one-pager for legislative delegation on AB1665; scheduling of BWG 2nd meeting; outreach on Adoption programs (MCOE, Comcast, ATT); call with consortia partner; Call with GIS mapping re: infrastructure design for Plan; PGE meeting scheduling; coordination with EO re OS memo to Assemblymembers; scanning of presentation materials;
5/2/17	7.75	0	7.75			OS Committee memo details; Call with PGE/SeaKay re meeting; LMAC goals outreach; CWA website review; HH data research; Outreach: PUC, Seakay, PGE, City of Fort Bragg, Supervisor Hamburg; ICO; updating website.
5/3/17	5.5	1	6.5	2	80	Email and outreach (AB 1665, Goals, AT&T iPad training promotion; review of CASF Frontier rehearing request; Frontier comments review; presentation prep; outreach to Assm. Stone; Ukiah city council presentation
5/4/17	3	2.75	5.75			Benton review; CWA report; email; FB Fiber plan; CPUC white paper conclusions outreach; end of month report; FB Fiber plan; CPUC white paper conclusions outreach; end of month report;
5/5/17	3.25		3.25	2	80	Public outreach meeting in Ukiah; email; GIS mapping review for BWG meeting
5/8/17	5.5	1	6.5	2	85	Follow up on public outreach; call with SK re FB; posting of ATT article on website; call re leveraging city assets; call to Jim Wood's office re AB1665; FB city council meeting details; Fort Bragg Goals presentation
5/9/17	6	0	6			BB goals Presentation details for Fire Chief and City council presentation; outreach on dig-once conduit specifications; BWG details for meeting; lunch, printing of maps, email, etc Email outreach to FB officials re dig once
5/10/17	11.5	0	11.5	2	80	Meeting with Fire Chief Association/PGE and presentation; Meeting at MCOE/ Theresa House re: CC and ATT low cost broadband program promotion; CLEC association outreach; beginning review of PGE CPCN application to PUC; Willits City council meeting/presentation;
5/11/17	5.5	1	6.5			Finish review of PGE CPCN application; goals outreach; team emails; Start of draft city council resolution re Goals; prep for BWG meeting for infrastructure design
5/12/17	6.5		6.5	2	80	Meeting of Broadband Working Group and follow-up
5/15/17	2.75	2.5	5.25			Benton review; review of CETF protest to PUC of L3 Century link acquisition; research on Tribune-Sinclair purchase; social media posting on media consolidation; email; outreach to residents re FCC 477 data; City council goals resolution word-smithing; outreach;
5/16/17	6.5	2	8.5			Outreach and follow-up with City councils; research on micro-trenching; review of FCC BDS order (298 pages); prep for Chamber of Commerce presentation on Econ Dev.
5/17/17	2	0	2	2	85	Presentation to Fort Bragg Chamber of Commerce; outreach to FB head librarian re low cost internet programs
5/18/17	6	1	7			Outreach re FCC BDS order and MC impacts; posting of AB1665 info on website; follow-up with Ukiah City Council and Coast Chamber of Commerce presentation; Call with provider; OS Mtg notes; research for potential digital training via MCOE, Providers, C4Classrooms, and Coast senior center; outreach to AV Chamber of C;
5/19/17	4.5	2.5	7			Review of DHS March 8 outage report, and distribution to Sheriff, OES, and EO; outreach re low cost internet programs; social media posting on NN and FCC decision yesterday; OS committee notes distribution and posting; County CEO update; review of articles on CommLawMonitor; review of FCC BDS; file organization.
5/22/17	3.25	4	7.25			Reading of full CFA report on BDS; editing of PA presentation; posting on social media; Review of links from PA City Council; review of federal legislation from past week; finalizing of PA presentation
5/23/17	2.75	2	4.75	3	90	Benton Review; updating of website on current federal legislation; outreach; presentation to Point Arena City Council on Broadband Goals and Strategies
5/24/17	0	0	0		90	Travel home from Point Arena
5/25/17	6	2	8			Benton; Review of CASF program change proposal (85 pages); CPUC workshop on CASF program changes; Valley Vision podcast on broadband planning/ events
5/26/17	4	3.75	7.75			Benton Review; start of summarizing of CASF workshop white paper; White paper review; FCC petition review; White paper summary; email to providers; phone call with colleague;
5/29/17	4.25	2	6.25			Review of PUC proceedings/PDs and file organization; Review of original PUC CASF resolution; Frontier comments; draft comments on PUC white paper strategies; email to providers; review of ILSR report on muni-networks and posting on website/social media
5/30/17	3	4.75	7.75			Benton review; NN info sharing; Crossing the Dig. Divide articles edit and posting; CASF Annual Report for 2016 review and posting to website; Review of the ILSR "fiber fallacies" report in response to the Taxpayer Protection Alliance claims and posting to website; other social media posting; Outreach to BAMC supporter re: Wil-Tel conduit after research in files;
5/31/17	6.5	0	6.5			Personal outreach to providers re CASF application reform white paper and encouragement of providing input (Pacific Internet, MCN, Seakay, 101 net links, CVC, Further Reach; Ukiah Wireless, SkyFiber; communication with NBNCBC manager for NBNCBC comments;
	113.25	32.75	146	15	670	

Invoice

Date:	July 5th 2017		Invoice No:	2017-6	
To:	Mendocino County		From:	Trish Steel	
	Planning and Building Services			PO Box 287	
	860 N. Bush Street			Laytonville, CA 95455	
	Ukiah, CA 95482			707-354-3224	
Invoice Summary for June 2017 Services					
Date	Description	Hours/ miles	per hour (or mile)	Amount	Amount Totals
6/1-6/30	Grant billable Total	17.6	\$30.00		\$530.00
	Non-grant billable Total				\$3,567.00
	Invoice Total				\$4,097.00
Non-grant re-imbursements					
6/1-6/30	Broadband hours (non-casf)	118.9	\$30.00	\$3,567.00	
6/1/17	Travel time	0	\$15.00	\$0.00	
6/1/17	Mileage	0	\$0.535	\$0.00	
			sub-total	\$3,567.00	
<i>Patricia Steel</i>					
Mendocino Broadband Consultancy, Business License #113857				Total Due	\$4,097.00

Table 1

Date	CASF Grant	Broadband (non-casf)	Total Daily Hours	Details
6/1/17	6.25	1	7.25	
6/2/17	5	1.25	6.25	CASF reform outreach and receiving input; drafting of comment letters; CEO update; email to DH; review of NBNCBC draft #3
6/5/17	5	2	7	Review of CalTrans draft project map as part of discussions for "dig once"; email; Benton review; social media posting; tour of project site; meeting to discuss community outreach ideas;
6/6/17	5	2.25	7.25	Review of FirstNet website/updates; follow-up with city councils on endorsement/support; May broadband report; CASF draft comments; email/followup to Sup. Hamburg, TW and CEO in regards to NBNCBC process
6/7/17	2	1.25	3.25	Phone call TW; Review of past Mendo CASF grants, calculating of Pop densities for CASF comments; call with consortium partner in Marin;
6/8/17	1.5	4	5.5	CASF Draft Comments from BAMC and joint comments; Benton review; details of BoS presentation to county
6/9/17	5.75	1	6.75	Email; phone calls with consortia partners re: PUC, White paper, joint comments; Outreach campaign research (realtors, WMAC, fire dept); Excel spreadsheet of HI areas from PUC; comments on 2 drafts of letter to PUC;
6/12/17	3.5	2	5.5	CASF comments cover letter edits; email; Reply to Phyl Spysen re: liaison, resources, and info; updating of website on legislation; Website on-line training; backing up of website; downloading of plug-ins, etc; updating of WordPress; updating of endorsement table to site;
6/13/17	5	1	6	Administrative details on CASF reform letter from Sup. Hamburg and Hopkins; finalizing of BAMC comments; work w provider regarding bb availability; Communication w FB officials re P3; Comcast comm. re IE; BAMC comments submitted to CPUC and posted online; action plan for Westport; provider conversation;
6/14/17	6	1	7	Team meeting call; outreach to Sup. Hamburg; outreach to FB; provider outreach; team management administrative details;BoS presentation on Goals; initial work on BB Plan (inquiries to mendo college, thoughts...) Call scheduling with McGuire staff
6/15/17	5	1	6	Phone call with ATT re Internet Access program; Review of 1665 analysis; outreach to Supervisors and NBNCBC team; research info Econ. Dev. Forum of 2015 follow-up docs; start of BoS presentation on Goals
6/16/17	5.75	1	6.75	Outreach to Sen. McGuire's office; calls with consort. colleagues; outreach on AT&T's "it can wait" campaign; Outreach on Broadband Goals; Broadband update to county CEO; BoS presentation research
6/19/17	4	2.75	6.75	Benton review; creation of new page on website and updating; scheduling of calls; email; Review of all submitted comments in CASF White paper (approx. 15 documents); Community outreach; BoS presentation on County Goals
6/20/17	6	2	8	Call with provider; email; Benton Review; West company comments on Goals discussion; Call with Butte co. representative; call with West co; outreach on goals (providers; Dept of Transportation); update on website; creating Internet Access account/ordering flyers for low-cost program;
6/21/17	5	1	6	Email; BB USA webinar; Outreach to Computers for Classrooms; Lake Co. BB solutions; Access Sonoma Broadband; Redwood Valley MAC (re Goals), MCDOT (re Dig once); consortia calls; website updating
6/22/17	6.5	1	7.5	Email; Preparation of supplemental materials to go with BoS presentation; Outreach to RV medical; pole attachment research; Outreach to PUC/meeting scheduled; start for Q2 report; updating website; Q2 report
6/23/17	5	1	6	Benton review; call with consortia partner re projects; website (fixing broken links); BoS presentation agenda previous actions, summary, and request; Collaboration call with Marin; CEO update; FirstNet state plans info; outreach to County Dept of Transportation re: dig-once policies;
6/26/17	3.75	2	5.75	Benton; Rural Broadband infrastructure updates; board materials prep and submission; Westport community outreach (MAC); website updating; goals presentation details; outreach to MCDOT re "dig-once" and goals/strategies
6/27/17	5.25	1.5	6.75	Review of new PUC OIRs; review of Frontier's reply comments in CASF grant decision (Phelan); Phone calls with 2 providers re: pole access issues and adoption programs; continued outreach to MCDOT; Help in ATT's outreach to FB High School in their campaign; outreach to media for article on bb; presentation;
6/28/17	6	2.5	8.5	Westport Wave article for community outreach; call with providers on plans; CETF conference call; NBCNC team calls (Marin, Sonoma); Call/outreach with Consortia colleague; AB 1665 discussions with colleagues; Call with PUC re Pole access issues (Michael Morris); work on upcoming Broadband presentation to BoS;
6/29/17			0	Took the day off to chaperone for the tribal field trip;
6/30/17	2	4.75	6.75	Benton review; outreach: NCC, county CEO re NBNCBC management team changes, Marin Co; sharing CTN telehealth grant info with 3 CTN sites; Sup. Hamburg call re 1665; outreach to sup. Brown; Updating website on DD and legislative updates;Draft of BoS letter in opposition to AB 1665
	99.25	37.25	136.5	
	17.6	118.9		Maximum hours left/available for billing to CASF this quarter is 17.6; the rest were billed under non-casf

North Bay North Coast Broadband Consortium

INVOICE

TO: Taylor Cheim
 CPUC
Taylor.Cheim@cpuc.ca.gov

Invoice No. 2017-2
 Invoice Amount: \$3,750.00

Period Invoiced: April 1, 2017 through June 30, 2017

Activity 4

	Budget:	Previously Billed:	CURRENT Invoice:	Invoiced To-Date:	Available Balance:
Overhead/Indirect Costs	\$5,000.00	\$1,250.00	\$1,250.00	\$2,500.00	\$2,500.00
Activity 2 Totals:	\$5,000.00	\$1,250.00	\$1,250.00	\$2,500.00	\$2,500.00

Activity 2

	Budget:	Previously Billed:	CURRENT Invoice:	Invoiced To-Date:	Available Balance:
Special Consultants:	\$11,500.00	\$4,000.00	\$2,500.00	\$6,500.00	\$5,000.00
Activity 2 Totals:	\$11,500.00	\$4,000.00	\$2,500.00	\$6,500.00	\$5,000.00

INVOICE SUMMARY

	Budget:	Previously Billed:	CURRENT Invoice:	Invoiced To-Date:	Available Balance:
Overhead/Indirect Costs	\$5,000.00	\$1,250.00	\$1,250.00	\$2,500.00	\$2,500.00
Special Consultants:	\$11,500.00	\$4,000.00	\$2,500.00	\$6,500.00	\$5,000.00
Totals:	\$16,500.00	\$5,250.00	\$3,750.00	\$9,000.00	\$7,500.00
Total NOW Due:			\$3,750.00		



**CSU, Chico
Research
Foundation**

FEIN# - 68-0386518

INVOICE

Remit Payment to:

The CSU, Chico Research Foundation
c/o Accounts Receivable
25 Main St., Suite 203
Chico, CA 95928-5388

To: ALBERT LERMA, DIR. BUSINESS DEVELOPMENT
SONOMA CO. ECONOMIC DEVELOPMENT BOARD
141 STONY CIRCLE, SUITE 110
SANTA ROSA, CA. 95401

Invoice #: RF036057
Invoice Date: 07/06/2017
Customer #: 008227
Terms: DUE UPON RECEIPT

Amount Due: \$ 2,500.00
Amount Paid: _____

(Please detach and return this portion with payment)

Invoice #: RF036057
Invoice Date: 07/06/2017

Description

Contract / PO#:

Geographical Information Services for the Sonoma
County Economic Development Board North Bay North
Coast Broadband Consortium for the period 4/1-6/30/17

Project Summary attached

Total Due: \$ 2,500.00

For questions regarding this invoice, Contact: 
(Research and Sponsored Programs) (530-898-5700) KHAN



For Research Foundation Use Only

Customer #: 008227

Project#	Object	Description	Amount
58008	6053	4/1/17-6/30/17	\$ 2,500.00

Sonoma County Economic Development Board North Bay North Coast Broadband Consortium

Summary
April – June 2017

The following tasks were completed for the Sonoma County Economic Development Board North Bay North Coast Broadband Consortium during the months of April - June 2017.

- Produced service maps and complimentary data tables using data as of December 31st, 2015. Included maps and spreadsheets for wireline served status at the CASF standard (6 Mbps download / 1.5 Mbps Upload) and FCC standard (25 Mbps download / 3 Mbps Upload). Output products were produced for:
 - o California's 2nd Congressional District
- Compared the 98% gap analysis spreadsheet from CPUC with households served analysis. Sent explanation of differences to Tom West.
- Generated new 98% gap analysis figures using the FCC served standard of 25 Mbps download and 3 Mbps upload.
- Create served status maps and household numbers for Humboldt County at the CASF served standard.
- Research to locate the Foothills HOA and produced a parcel map with census block overlay.
- Conference calls with project group as needed;

Please feel free to contact the GIC if there are any questions regarding the work completed.

Thank You,

Jason Schwenkler
Director
Geographical Information Center
California State University, Chico
jschwenkler@csuchico.edu
Phone: 530.898.4372
Fax: 530.898.6317



Sonoma County Economic Development Board

INVOICE

TO: Taylor Cheim
 CPUC
Taylor.Cheim@cpuc.ca.gov

Invoice No. 2018-001
 Invoice Amount: \$3,437.50

Period Invoiced: January 1, 2017 through March 31, 2017

Activity 2

	Budget:	Previously Billed:	CURRENT Invoice:	Invoiced To-Date:	Available Balance:
Special Consultants:	\$27,500.00	\$0.00	\$3,437.50	\$3,437.50	\$24,062.50
Activity 2 Totals:	\$27,500.00	\$0.00	\$3,437.50	\$3,437.50	\$24,062.50

INVOICE SUMMARY

	Budget:	Previously Billed:	CURRENT Invoice:	Invoiced To-Date:	Available Balance:
Special Consultants:	\$27,500.00	\$0.00	\$3,437.50	\$3,437.50	\$24,062.50
Totals:	\$27,500.00	\$0.00	\$3,437.50	\$3,437.50	\$24,062.50

Total NOW Due:	\$3,437.50
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Magellan Advisors, LLC
450 Alton Road #1402
Miami Beach, FL 33139 US
(888) 960-5299
insight@magellan-advisors.com



BILL TO

Sonoma County Economic
Development Board
141 Stony Circle, Suite 110
Santa Rosa, CA 95401
Project: Sonoma Broadband
Strategic Plan

INVOICE MA05311733

DATE 05/31/2017 **TERMS** Net 30

DUE DATE 06/30/2017

DATE	ACTIVITY	QTY	RATE	AMOUNT
05/24/2017	Create Project Kickoff Agenda Reviewed draft agenda.	0:30	165.00	82.50
05/24/2017	Create Client Data Request Form edited meeting agenda and placed word docs on tasks	0:30	165.00	82.50
05/24/2017	Create Project Kickoff Agenda created client data request and kick-off meeting agenda	0:30	165.00	82.50
05/25/2017	Create Client Data Request Form Worked on and reviewed client data request.	0:30	165.00	82.50
05/25/2017	Create Client Data Request Form reformatted and made John's requested change	0:30	165.00	82.50
05/31/2017	Admin Kickoff Call - 05/31/2017 prep for project kickoff call. Participated in project kickoff call.	1:15	165.00	206.25
05/31/2017	Admin Kickoff Call - 05/31/2017 took notes for meeting	1:00	165.00	165.00
05/31/2017	Admin Kickoff Call - 05/31/2017 Participate in project kickoff call.	1:00	165.00	165.00
05/31/2017	Create Basemap in GIS Cloud for Sonoma County, CA Created basemap in GIS Cloud.	0:15	165.00	41.25

TOTAL DUE

\$990.00

Magellan Advisors, LLC
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Miami Beach, FL 33139 US
(888) 960-5299
insight@magellan-advisors.com



BILL TO

Sonoma County Economic
Development Board
141 Stony Circle, Suite 110
Santa Rosa, CA 95401
Project: Sonoma Broadband
Strategic Plan

INVOICE MA06301706

DATE 06/30/2017 TERMS Net 30

DUE DATE 07/30/2017

DATE	ACTIVITY	QTY	RATE	AMOUNT
06/01/2017	Analysis of Sonoma County background data and reports	4.50	165.00	742.50
06/06/2017	Project status calls with client and Magellan Team.	3	165.00	495.00
06/08/2017	Internal team review, project plan development	4.50	165.00	742.50
06/15/2017	Build initial GIS geodatabase for Sonoma project	2.83331	165.00	467.50

TOTAL DUE

\$2,447.50