Please refer to the CCI Grant Guidelines for instructions on completing this form.

Applicant Profile		
Applicant Name	CVIN	
Title	The Central Valley Next Generation Broadband Infrastructure Project	
Easygrants ID	6451	
Headquarters	Fresno, CA	
Size (2009 Data) of Applicant	Current Year Revenues: \$762,467	
Entity	Employees: 0	
Technology Type	Buried Fiber (MM) & WiMax LM	
Key Partners	CVIN / CENIC	

Project Economics				
Budget Information		Project Financials		
Project Budget	\$66,599,668	Project Revenues (Yr 8)	\$11,927,997	
Federal Contribution (%)	70%	Net Income and Margin (Yr 8)	\$1,626,059 (14%)	
Cash Match Amount (%)	30%	EBITDA and Margin (Yr 8)	\$5,383,404 (45%)	
In Kind Match Amount (%)		Rate of Return (w/o BTOP Funds)	-1.03%	
Middle Mile/Last Mile Budget Allocation		Rate of Return (w/ BTOP Funds) 15.69%		
Middle Mile Percentage (%)	95%	Cost Efficiency		
Last Mile Percentage (%)	5%	Cost per Mile (MM)	\$87,660	
Rural Last Mile Percentage		Cost per Household (LM)	\$166.60	

Market Territory			
Geographic Area(s)	CVIN/CENIC will build a 1371 mile fiber-optics infrastructure through 18 California counties: Amador, Calaveras, Colusa, El Dorado, Fresno, Kings, Kern, Mariposa, Merced, Madera, Nevada, Placer, San Joaquin, Stanislaus, Sutter, Tuolumne, Tulare & Yuba providing direct fiber connectivity to 60 anchor institutions & access by another 50 anchor sites & hundreds of thousands of businesses & residences		
Middle Mile Network Composi	tion		
Total Proposed Network	Total Miles: 1370.95		
Miles (MM only)	Backbone Miles: 1368.95		
	Lateral Miles: 2 (Amador County COE)		
New Construction Network Miles (MM only)	Backbone Miles: 720		

Existing Applicant Network Miles Utilized (MM only)	<ul> <li>Total Miles: 486.95 (existing dark fiber, CENIC/WilTel and Volcano) (Southern Ring)</li> <li>Backbone Miles: 486.95</li> <li>Lateral Miles: 0</li> </ul>
Leased Network Miles Utilized (MM only)	<ul> <li>Total Miles: 164 (leased conduit Ducor/Sebastian/Ponderosa/Calaveras and the Volcano dark fiber)</li> <li>Backbone Miles: 164</li> <li>Lateral Miles: 0</li> </ul>
Underserved/Unserved	<ul> <li>Percentage of Backbone Miles in Underserved/Unserved Areas: 17.2%</li> <li>Percentage of Lateral Miles in Underserved/Unserved Areas: The Amador COE in Jackson is the only true lateral or "folded ring" topology in this network. Everything else is "rings on rings" or true "backbone" middle mile.</li> </ul>
Existing Customer Base	
Existing Residential/Individual Customers within PFSA	0
Existing Business Customers within PFSA	0
Existing Community Anchor Institution Customers within PFSA	<ul> <li>Total CAI's: 0</li> <li>Community Colleges:0</li> <li>Public Safety Entities:0</li> </ul>
Existing Third Party Service Provider Customers within PFSA	0
Potential Customer Base	
Market Potential Households (within PFSA)	<ul> <li>Total HH's Last Mile: 150,000</li> <li>Total HH's Middle Mile: 1,549,008</li> <li>Last Mile Located in Underserved/Unserved Areas: 9%</li> <li>Middle Mile Located in Underserved/Unserved Areas:</li> </ul>
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Funded Network Coverage	
Households Connected to Network (via BTOP Funds by end of Year 3)	<ul> <li>Total Households Connected: 1,882</li> <li>Located in Underserved/Unserved Areas: 100%</li> </ul>

Businesses Connected to			
Network (via BTOP Funds by	<ul> <li>Located in Underserved/Unserved Areas: 100%</li> </ul>		
end of Year 3)			
Community Anchor	<ul> <li>Total Directly Connected CAI's: 54</li> </ul>		
Institutions Directly	<ul> <li>Located in Underserved/Unserved Areas: 1</li> </ul>		
Connected (via BTOP Funds	Community Colleges:11		
by end of Year 3)	Public Safety Entities:7		
	Directly Served by Applicant		
	Community Anchor Institutions: 60		
	Households: 2,712		
Drainstad Subscribers by Veer	Businesses: 512		
Projected Subscribers by Year	<ul> <li>Third Party Service Providers: 102 * includes cellular towers</li> </ul>		
Five	Served by Proposed Network Via Third Party Service Provider		
	Community Anchor Institutions: 740		
	Households: 88,763		
	• Businesses: 7,070		

Other	
Proposed MM Network Capacity	<ul> <li>Backbone: The network DWDM equipment is capable of 40 10GE lambdas as designed. The network will be provisioned with at least 8 lambdas at turn-up.</li> <li>Laterals: 10 GigE</li> </ul>
Proposed LM Network Speed	<ul><li>Highest offered speed tier:10 GigE</li><li>Estimated Average speed for highest speed tier: 10 GigE</li></ul>
Total Points of Interconnection	<ul> <li>Total Pol's: 67</li> <li>Pol's in Underserved/Unserved Areas: 12</li> <li>Environmentally-controlled, non-passive Pols:67</li> </ul>
Jobs Created	<ul> <li>Direct Job-years: 283</li> <li>Indirect Job-years: 180</li> <li>Induced Job-years: 260</li> </ul>
Required Time for Project Completion (Number of Required Quarters to Fully Build-out and Test Network and Make Ready for Commercial Service)	12 quarters for final completion. However, the network will be completed in sections allowing us to begin to add subscribers as portions are completed (see subscriber projections). The business plan and subscriber projections begin at the beginning of the 5 <sup>th</sup> quarter following award.



# Comprehensive Community Infrastructure Budget Narrative Template

# **Applicant Name:** The Central Valley Next Generation Broadband Infrastructure Project

**EasyGrants Number: 6451** 

**Organization Type: For Profit Corporation** 

**Proposed Period of Performance: 3 Years** 

Total Project Costs: \$66,567,668

Total Federal Grant Request: \$46,619,767

Total Matching Funds (Cash): \$19,979,900

**Total Matching Funds (In-Kind): \$0** 

Total Matching Funds (Cash + In-Kind): \$19,979,900

**Total Matching Funds (Cash + In-Kind) as Percentage of Total Project Costs: 30%** 

#### 1. Administrative and legal expenses - \$227,000

\$227,000 for application costs.

- Provide a breakout of position(s), time commitment(s) such as hours or level-ofeffort, and salary information/rates with a detailed explanation, and additional information as needed.

Туре	Organization retained	Hours	Years	Rate	Total
Consultants					
Tom West	CENIC	1200	1	\$ 50.00	\$ 60,000.00
Carol Whiteside	CENIC	440	1	\$ 50.00	\$ 22,000.00
Tim Owens	CVIN	100	1	\$ 80.00	\$ 8,000.00
Deborah Hunt	CENIC	375	1	\$ 80.00	\$ 30,000.00
Employees					
Jim Dolgonas	CENIC	480	1	\$ 60.00	\$ 28,800.00
David Douglas	CVIN	440	1	\$ 60.00	\$ 26,400.00
Mike Stewart	CVIN	440	1	\$ 45.00	\$ 19,800.00
Alan Shearer	CVIN	400	1	\$ 80.00	\$ 32,000.00
Total	-				\$227,000.00

Tom West and Carol Whiteside worked to promote the project and inform the numerous Anchor institutions and general public of the purpose and benefit of the project. Tom Owens (President of Kronin Communications) reviewed the business plan and provided assistance with data required for the application. Deborah Hunt was the primary grant writer and coordinator. Jim Dolgonas (CEO of CENIC) and David Douglas (President of CVIN) worked to coordinate staff and were the primary architects of the overall project. Mike Stewart worked to created the business plan and financial attachements. Consultants rates are based on the actual negotiated rates for services. Alan Shearer worked on technical design, mapping, optimal routes, etc.

#### - Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source.

All categories assume 70% Federal funding and 30% Matching funds

## 2. Land, structure, rights-of-way, appraisals, etc. - \$0

We have not included any costs for this area. If there are any costs associated with this category will expenses over the normal course of business and we do not intend on seeking federal reimbursement.

## 3. Relocation expenses and payment - \$0

We have not included any costs for this area. If there are any costs associated with this category will expenses over the normal course of business and we do not intend on seeking federal reimbursement.

# 4. Architectural and engineering fees - \$1,212,173

# - Provide description of estimated fees, rates, explanation of proposed services, and additional informaition as needed.

This project will require three engineers at a rate of \$60 per hour for the duration of the 2 year 9 month project. This is a loaded rate and includes benefit burden. Project engineers perform engineering, oversight, and project management functions. The Project Manager will provide coordination, cost control, and reporting duties during the busiest part of the project.

Туре	Hours	Years	Rate /hr	Total	
Project Engineer	5719	2.75	\$ 60.00	\$	343,140.00
Project Engineer	5719	2.75	\$ 60.00	\$	343,140.00
Project Engineer	5719	2.75	\$ 60.00	\$	343,140.00
Project Manager	3046	1.46	\$ 60.00	\$	182,760.00
Total				\$	1,212,180.00

#### - Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source.

All categories assume 70% Federal funding and 30% Matching funds

#### - Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source.

# 5. Other architectural and engineering fees - \$0

We have not included any costs for this area. If there are any costs associated with this category will expenses over the normal course of business and we do not intend on seeking federal reimbursement.

## 6. Project inspection fees - \$730,319

# - Provide description of estimated fees, rates, explanation of proposed services, and additional informaiton as needed.

Inspectors will validate construction technique, interface as agent of CVIN with the contractor, government agencies and various other parties to ensure project is built according to plans. They will also complete the As-built documents. We have projected the hours neccesary for the project at a rate of \$60 per hour. An additional amount of \$27,119 was included to pay for incedental expenses associated with inspections.

Туре	Hours	Years	Rate /hr	Total	
Inspector	4160	2.00	\$ 60.00	\$	249,600.00
Inspector	4160	2.00	\$ 60.00	\$	249,600.00
Inspector	3400	1.63	\$ 60.00	\$	204,000.00
Total	11720			\$	703,200.00



#### - Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source.

All categories assume 70% Federal funding and 30% Matching funds

# - Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source.

# 7. Site work - \$0

We have not included any costs for this area. If there are any costs associated with this category will expenses over the normal course of business and we do not intend on seeking federal reimbursement.

#### 8. Demolition and removal - \$0

We have not included any costs for this area. If there are any costs associated with this category will expenses over the normal course of business and we do not intend on seeking federal reimbursement.

## 9. Construction - \$64,430,176

# - Provide description of estimated fees, rates, explanation of proposed services, state whether the work is being completed by the applicant or an outside contractor, and additional information as needed.

Outside Plant construction will be performed by licensed contractor crews under a standard RUS 515 unit contract format. CVIN member company construction crews may bid certain parts of the OSP work. Unit bidding is typical of this type of work for Independent Telcos. Unit cost estimates have been solicited from telco approved OSP contractors, resulting in the following estimated installation labor costs:

UD2X1X1 @ 48" depth with locate wire and warning tape: \$11,088.00 per mile

UD1X3X10/12mm Microduct blown into 1.25" conduit: \$3,696.00 per mile

UD1X1X1" conduit for building access: \$11880.00 per mile

BM61 Directional Bore: \$13.00 per foot

UM36X60X48 handholes: \$250.00 each

UO(72) blowing 72 strand micro fiber cable in 10/12mm microduct: \$2640.00 per mile

UO(6) blowing 6 strand microfiber in 1" conduit: \$2640.00 per mile

HO-1 fusion splicing fiber (per strand): \$33.00 each

HUO(72) installing fiber splice cases: \$200.00 each

OSP Material pricing has been solicited from various vendors and manufacturers, resulting in the following estimated material prices:

SDR-11 conduit, 1.25" ID: \$1763.52 per mile

SDR-11 conduit, 1.00" ID: \$1135.20 per mile

10MM ID, 12MM OD Microduct: \$561.26 per mile



Cabinet sites and equipment installation will be constructed by licensed contractor crews. CVIN member company crews and personnel may bid the construction and installation. Components of the construction include grading and pouring a 10'X14' slab; installing telco and power conduits at the site; installing a ground grid rated at 25 ohms or less; installing an envrionmentally controlled cabinet; installing a power panel on the cabinet; installing a fuel cell as an emergency back-up power supply; installing a power inverter and fuse panels in the cabinet; installing DWDM equipment in the cabinet; installing monitoring equipment in the cabinet; installing fiber termination devices in the cabinet.

The CVIN member companies have extensive experience in the design, material specification and construction of this type of cabinet installation. Pricing has been solicited from their experience as well as from OSP contractors. Vendors and manufacturers have been solicited to provide budgetary pricing for the cabinets and equipment. The DWDM equipment specified in this project will be provided under a national agreement between CENIC and the manufacturer.

DWDM equipment will be installed in existing racks in the CENIC backbone fiber locations by CVIN member company personnel or by licensed contractors. The DWDM equipment specified in this project will be provided under a national agreement between CENIC and the manudfacturer.

Routing equipment will be installed at Anchor Institution sites by CENIC employees. The equipment will be supplied under a national agreement between CENIC and the manufacturer.

#### - Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source.

All categories assume 70% Federal funding and 30% Matching funds

#### - Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source.

## 10. Equipment - \$0

We have not included any costs for this area. If there are any costs associated with this category will expenses over the normal course of business and we do not intend on seeking federal reimbursement.

#### 11. Miscellaneous - \$0

#### - Provide additional information as needed.

#### - Provide detailed description, calculation, and basis of evaluation for each Cash Matching Funds source.

- Provide detailed description, calculation, and basis of evaluation for each In-Kind Matching Funds source.

#### 13. Contingencies - \$0

- Contingencies are an unallowable expenditures under BTOP.



# 15. Project (program) income - \$0

- The value for this line-item on the SF-424C is \$0. Please do not provide an estimated Project (program income) on the SF-424C.

Please refer to the CCI Grant Guidelines for instructions on completing this form.

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Applicant Name	CVIN	
Title	The Central Valley Next Generation Broadband Infrastructure Project	
Easygrants ID	6451	
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Businesses Connected to	Total Businesses Connected: 341							
Network (via BTOP Funds by	<ul> <li>Located in Underserved/Unserved Areas: 100%</li> </ul>							
end of Year 3)								
Community Anchor	<ul> <li>Total Directly Connected CAI's: 54</li> </ul>							
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	Directly Served by Applicant							
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Drainstad Subscribers by Veer	Businesses: 512							
Projected Subscribers by Year	<ul> <li>Third Party Service Providers: 102 * includes cellular towers</li> </ul>							
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	Households: 88,763							
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Other	
Proposed MM Network Capacity	<ul> <li>Backbone: The network DWDM equipment is capable of 40 10GE lambdas as designed. The network will be provisioned with at least 8 lambdas at turn-up.</li> <li>Laterals: 10 GigE</li> </ul>
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March 26, 2010

CHAIRPERSON Michael R. Peevey President California Public Utilities Commission

SECRETARY Dr. Barbara O'Connor Professor California State University, Sacramento

TREASURER Rich Motta Consultant & Retired Vice President AT&T

Jeff Campbell Director, Technology & Trade Policy Global Policy & Government Affairs Cisco Systems, Inc.

The Honorable Martha M. Escutia Former California State Senator Partner The Senators' Law Firm

Jaquelline Fuller Advocacy Director Google.org and Clean Energy Google Inc.

Barbara Johnston Executive Director Medical Board of California

Jim Kirkland General Counsel Trimble Navigation Limited

The Honorable Lloyd Levine Former Assemblymember State of California

Sam Overton President City of Los Angeles Commission on Disability

Carol Whiteside Founder and CEO Emeritus Great Valley Center

PRESIDENT & CEO Sunne Wright McPeak California Emerging Technology Fund

CALIFORNIA EMERGING TECHNOLOGY FUND www.cetfund.org

The Hearst Building 5 Third Street, Suite 520 San Francisco, CA 94103 415-744-CETF (2383)

1000 N. Alameda Street, Suite 240 Los Angeles, CA 90012 213-346-3222 Assistant Secretary National Telecommunications and Information Administration U.S. Department of Commerce Washington, DC 20230

Re: California ARRA Application for the Corporation for Education Network Initiatives in California

Dear Sir or Madam:

The California Emerging Technology Fund (CETF) enthusiastically endorses the *Central Valley Next Generation Broadband Infrastructure Plan* application submitted by the Corporation for Education Network Initiatives in California (CENIC) that is seeking federal investment under the American Recovery and Reinvestment Act of 2009 (ARRA). The mission of CETF is to close the Digital Divide in California and the middle-mile solution proposed by CENIC will greatly support the major strategies adopted by CETF to drive both broadband deployment and adoption within the California Central Valley.

The CENIC application seeks to build, operate, and maintain over 1,000 miles of fiber optic systems throughout 18 counties in the California Central Valley. The service area is greater than 39,500 square miles and encompasses a population exceeding 4 million individuals within 1,973 communities. Anchor institutions interconnected with the new fiber network will gain access to the existing statewide CENIC network, and include 18 county offices of education, 9 community colleges, 3 universities, and 18 county libraries.

Furthermore, this proposal will expand the Central Valley Independent Network (CVIN), a partnership of 8 rural telephone companies serving the region, fiber-based infrastructure and wireless capabilities to bring higher capacity connectivity to new and existing residential, commercial, educational, and governmental customers.

The ARRA grant for broadband infrastructure in the Central Valley will allow CENIC to connect underserved and unserved communities that lack commercial and economic support and is an investment opportunity for the federal government that will result in a high return on the ARRA funding. CETF wholeheartedly encourages funding for CENIC.

Sincerely,

t+ mgeal

Sunne Wright McPeak President and CEO

RECEIVED MAR 1 1 2010

STATE CAPITOL P.O. BOX 942849 SACRAMENTO, CA 94249-0010 (916) 319-2010 FAX (916) 319-2110

> DISTRICT OFFICE 218 W. PINE STREET LODI, CA 95240-2020 PHONE: (209) 333-5330 FAX: (209) 333-5333

WEBSITE www.assembly.ca.gov/huber

March 5, 2010

Assembly California Legislature ALYSON L. HUBER ASSEMBLYMEMBER, TENTH DISTRICT

COMMITTEES

CHAIR, JOINT LEGISLATIVE AUDIT ACCOUNTABILITY AND ADMINISTRATIVE REVIEW HIGHER EDUCATION JOBS, ECONOMIC DEVELOPMENT, AND THE ECONOMY VETERANS AFFAIRS

SELECT COMMITTEES

CHAIR, LOWERING CA'S HIGH SCHOOL DROPOUT RATES PRESERVATION OF CALIFORNIA'S ENTERTAINMENT INDUSTRY REGIONAL APPROACHES TO ADDRESSING THE STATE'S WATER CRISIS SELECT COMMITTEE ON WINE

STIMULUS, ECONOMIC RECOVERY, AND JOBS TASK FORCE

Jim Dolgonas, President and CEO Corporation for Education Network Initiatives in California 16700 Valley View Avenue, Suite 400 La Mirada, CA 90638

Dear Mr. Dolgonas:

I am writing in support of the Corporation for Education Network Initiatives in California's (CENIC) Central Valley Next Generation Broadband Infrastructure Plan to expand and improve broadband options in fourteen Central Valley counties, including Amador County, which I represent.

There is no question this is a critical issue for Amador County and many efforts have been made over the last year to bring broadband to the region. Amador County community leaders in government, healthcare and public education have met with Dean Stephen Shortell and other representatives of the University of California, Berkeley, School of Public Health to discuss ways to facilitate the development of digital network capabilities for distance health education and training. I met with the Deputy Secretary of Commerce while on a legislative trip in Washington D.C. and believe that the federal government truly recognizes the need to expand broadband access in rural areas. Additionally, I have discussed the issue with technology experts at the University of California, Berkeley and believe there is great opportunity for collaboration.

The ability to connect directly into the CENIC network would be invaluable for healthcare practitioners, workers and students in rural counties. The results could provide a real economic boost to Amador County, by encouraging students to remain in the county and providing jobs to people in this area of extremely high unemployment.

Because the CENIC plan would help build and support a fiber-optic broadband network in underserved areas like Amador County, I am pleased to give it my support. If you have questions, feel free to call me at 916-319-2010.

Sincerely,

ALYSON L. HUBER Assemblymember, 10<sup>th</sup> District

ALH:ab

Cc: Amador County Supervisor John Plasse



DENNIS A. CARDOZA 18th District, California

COMMITTEE ON RULES

COMMITTEE ON AGRICULTURE

CHAIRMAN, SUBCOMMITTEE ON HORTICULTURE AND ORGANIC AGRICULTURE

SUBCOMMITTEE ON LIVESTOCK, DAIRY AND POULTRY

SUBCOMMITTEE ON CONSERVATION, CREDIT, ENERGY AND RESEARCH Congress of the United States House of Representatives

Washington, DC 20515-0518

March 22, 2010

WASHINGTON OFFICE: 1224 LONGWORTH HOUSE OFFICE BUILDING

1224 LONGWORTH HOUSE OFFICE BUILDING WASHINGTON, DC 20515 (202) 225–6131

DISTRICT OFFICES:

2222 M Street, Suite 305 Merced, CA 95340 (209) 383-4455

1010 10тн Street, Suite 5800 Модеято, СА 95354 (209) 527–1914

137 East Weber Avenue Stockton, CA 95202 (209) 946–0361

Mr. Jim Dolgonas President and CEO Corporation for Education Network Initiatives in California (CENIC) 16700 Valley View Avenue, Suite 400 La Mirada, CA 90638

Dear Mr. Dolgonas:

I am writing to express my support for CENIC's Central Valley Next Generation Broadband Infrastructure Plan to expand and improve broadband options in 18 counties within the California Central Valley area. In spite of California's reputation, parts of the 18<sup>th</sup> district currently have in excess of 18% unemployment and a per capita income that is in the lowest 5% of the nation. Making the region more competitive, educationally, and economically is one of my highest priorities.

Spanning from Southern Stockton to Northern Fresno, California's 18th District that I represent includes all of Merced County and parts of San Joaquin, Stanislaus, Madera and Fresno counties. This proposal will provide greater high speed internet capacity to both underserved and un-served areas of the county, will provide improved speed and capacity at a more competitive price to key anchor institutions in each of the counties, and will facilitate economic development in some of the poorest regions of this State and the nation.

The Central Valley Next Generation Broadband Infrastructure plan will allow communities and businesses to take advantage of the wide range of broadband applications that are available online to assist with sustainability and growth. Additionally, it will provide access to education and training for a highly qualified workforce and success in the future.

This infrastructure will ensure that communities will be able to provide the best educational opportunities to their residents, to respond effectively in disasters and provide adequate telemedicine care to residents. The Central Valley Next Generation Broadband Infrastructure Plan is a pivotal part of what is required for the communities in the 18<sup>th</sup> District to move beyond the challenges they now face.

I am very pleased to support CENIC in their effort to provide increased, more competitive broadband access to rural areas and underserved communities in the 18<sup>th</sup> Congressional District. If you should need further information, please feel free to contact Teresa Kinney of my Modesto staff by e-mail at teresa.kinney@mail.house.gov or by phone at 209-527-1914.

Sincerely,

Dennis Cardoza Member of Congress



DO

#### ASSEMBLYWOMAN CONNIE CONWAY,

#### 34<sup>TH</sup> DISTRICT

STATE CAPITOL, ROOM 6027

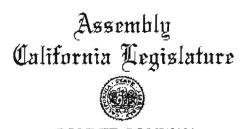
SACRAMENTO, CALIFORNIA 95814

(916) 319-2034

(916) 319-2134 FAX

#### FAX COVER SHEET

TO: BRIC WOLFS	FROM: THE OFFICE OF ASSEMBLYWOMAN CONNIE CONWAY								
COMPANY DUCOR TELEPHONE COMPANY	DATT. 1/22/10								
Рах NUMBER (661) 834-7773	TOTAL NO OF PAGES INCLUDING	F COVER.							
PHONE NUMBER-									
RF: LETTER OF SUPPORT									
URGENT OF FOR REVIEW OF PLEA	SE COMMENT DE PLEASE REPLY	D PLEASE RECYCLE							



COMMITTEES VICE CHAIR, APPROPRIATIONS AGRICULTURE BUSINESS AND PROFESSIONS HEALTH

CHAIR. RURAL CAUCUS

CONNIE CONWAY ASSEMBLYMEMBER, THIRTY-FOURTH DISTRICT

March 26, 2010

Mr. Jim Dolgonas President and CEO Corporation for Education Network Initiatives in California (CENIC) 16700 Valley View Avenue, Suite 400 La Mirada, CA 90638

Dear Mr. Dolgonas:

I am writing to express my support for CENIC's Central Valley Next Generation Broadband Infrastructure Plan to expand and improve broadband options in 18 counties within the California Central Valley area.

The 34<sup>th</sup> District has not been immune to the poor economy, with Tulare County alone having an excess of 18% unemployment. Job creation, a competitive business market, and educational attainment are necessities for our region to regain its footing and work toward long-term economic success.

Much of the 34<sup>th</sup> District's economic base comes from agriculture and its supportive basinesses. This new technological infrastructure will service this vital industry by allowing businesses and communities to actively take advantage of broadband connections to help maintain, grow, and promote the strengths of local economies. These services will greatly aid in providing rural Californians with access to training to become the highly skilled workers our state needs for future success.

This infrastructure will also ensure that communities and businesses will be able to provide the best educational opportunities to their residents and employees, as well as respond effectively to disaster situations while providing adequate telemedicine care to residents. The *Central Valley* Next Generation Broadband Infrastructure Plan is a pivotal part of what is required for rural California communities to move beyond the challenges they now face.

It is my pleasure to give my support to CENIC and its partners to make this vision of competitive broadband access in rural and underserved communities a reality.

Sincerely,

Connie Conway Assemblywoman, 34<sup>th</sup> District

JERRY MCNERNEY 11TH DISTRICT, CALIFORNIA COMMITTEES: ENERGY and COMMERCE

**VETERANS' AFFAIRS** 



WASHINGTON D.C. OFFICE 312 CANNON HOUSE OFFICE BUILDING WASHINGTON, D.C. 20515 (202) 225–1947

STOCKTON DISTRICT OFFICE 2222 GRAND CANAL BOULEVARD, #7 STOCKTON, CA 95207 (209) 476–8552

PLEASANTON DISTRICT OFFICE 5776 STONERIDGE MALL ROAD, #175 PLEASANTON, CA 94588 (925) 737–0727

# Congress of the United States

House of Representatives

# Washington, OC 20515—0511

March 26, 2010

Mr. Lawrence E. Strickling Administrator National Telecommunications and Information Administration 1401 Constitution Ave., NW Washington, DC 20230

Re: Grant No. BTOP-CCI-6451

Dear Mr. Strickling:

I am writing to request full and timely consideration of the Corporation for Education Network Initiatives in California's (CENIC) grant application for funding through opportunities provided by the National Telecommunications and Information Administration (NTIA).

CENIC proposes utilizing federal assistance to extend its enhanced high-bandwidth network to improve broadband access in California's Central Valley, to the benefit of my constituents and the entire state. Unfortunately, the Central Valley has been hard hit by the economic downturn. For example, San Joaquin County, much of which I am honored to represent and which sits at the heart of the Valley, faces an unemployment rate in excess of 18 percent. San Joaquin County and other jurisdictions would benefit from CENIC's proposal. Expanding broadband access will make the region more economically and educationally competitive, helping to create and retain high quality jobs.

I recommend NTIA's favorable consideration of the Central Valley Next Generation Broadband Infrastructure Project, and I look forward to supporting your efforts to improve broadband access in America.

Sincerely. r of Congress

JIM COSTA

20th DISTRICT, CALIFORNIA

EMAIL: congressmanjimcosta@inail.house.gov WEB PAGE: www.house.gov/casta

COMMITTEE ON NATURAL RESOURCES

SUBCOMMITTEE ON Energy and Mingral Resources Chaiman Subcommittee on Water and Power Congress of the United States House of Representatives Mashington, D.C. 20515

#### March 24, 2010

The Honorable Lawrence E. Strickling Assistant Secretary for Communications and Information National Telecommunications and Information Administration Herbert C. Hoover Building (HCHB) U.S. Department of Commerce / NTIA 1401 Constitution Avenue, N.W. Washington, D.C. 20230

RE: Expressing Support for the Central Valley Next Generation Broadband Infrastructure Plan's request for federal funds through the American Recovery and Reinvestment Act (ARRA)

Dear Secretary Strickling:

This letter is in support of the Corporation for Education Network Initiatives in California's (CENIC) Central Valley Next Generation Broadband Infrastructure Plan to expand and improve broadband options for 18 counties within the Central Valley of California. Parts of the 20<sup>th</sup> congressional district, which I am proud to represent, include portions of Fresno, Kings and Kern counties, and are experiencing an excess of 30 percent unemployment. Making this region more competitive both educationally and economically is one of my highest priorities.

The American Recovery and Reinvestment Act (ARRA) provides an opportunity to restore America. As such, by providing access to broadband services, ARRA identifies stimulus dollars to increase broadband network access, particularly in rural and underserved and unserved areas. With your support, the Central Valley Next Generation Broadband Infrastructure Plan will assist 18 counties in California, including Fresno, Kings and Kern counties, where it is projected that over 50,000 businesses, more than 900 K-12 schools, including higher education institutions, and nearly 496,000 households will benefit from your direction on these funds. Additionally, this proposal will reach 187 public safety facilities and offices and 96 public libraries in my district.

The current limitations of broadband access in the 20<sup>th</sup> district, specifically throughout the rural communities of San Joaquin, Tranquility, Mendota, Firebaugh, restrict the advancement and access of education, business and health care. Access to high speed internet will allow for these groups to partake in a wide range of broadband applications available online helping to maintain and grow their respective organizations.

DISTRICT OFFICE: 855 M Strain, Sum 940 Freevo, CA 93721 Phone: (559) 495-1620 Fax: (5591 495-1027 DISTRICT OFFICE 2700 M STRIET, SOIT 225 BAXMARUD, CA 93301 Pront: (561) 869-1620 FAX: (661) 869-1027

COMMITTEE ON AGRICULTURE Subcommittee on Consulvation, Credit, Energy and Relearch Subcommittee on Livestock, Dainy and Politiky

> COMMITTEE ON FOREIGN AFFAIRS Subcommittee on Europe Subcommittee on

MODULE EAST AND SOUTH ASIA

The Honorable Lawrence E. Strickling March 24, 2010 Page 2

As the Congressman of the 20<sup>th</sup> district of California, I understand fully the importance of developing our rural communities and maintaining pace with 21<sup>st</sup> century technology, which includes wireless broadband access. Your appropriation of funds will greatly benefit rural towns in my district and underserved and un-served communities. Thank you in advance for your attention to this request.



JC: jcs

#### **PROJECT PLAN**

- Use the following table to list the major network build-out phases and milestones that can demonstrate that your entire project will be substantially complete by the end of Year 2 and fully complete by the end of Year 3. This is to be done at the aggregate level (combining all proposed funded service areas.)
- Indicated how the milestones listed below will demonstrate these completion objectives. The applicant should consider such project areas as: a) network design; b) securing all relevant licenses and agreements; c) site preparation; d) inside plant deployment; e) outside plan deployment; f) deployment of business & operational support systems; g) network testing; f) network operational. The applicant may provide any other milestones that it believes showcase progress.
- Project inception (Year 0) starts at the date when the applicant receives notice that the project has been approved for funding.
- In the table, provide any information (e.g., facts, analysis) to: a) demonstrate the reasonableness of these milestones; b) substantiate the ability to reach the milestones by the quarters indicated.

Time Period	Quarter	Milestones	Support for Reasonableness/Data Points
Year 0	-	<ul> <li>Preliminary engineering</li> <li>Negotiate Fiber leases</li> <li>Negotiate partnership details with CENIC</li> <li>Final engineering begins</li> </ul>	<ul> <li>The first three are complete</li> <li>Final engineering will begin in Quarter 0 and completes in Q6.</li> </ul>
	Qtr. 1	<ul> <li>Final Engineering prioritized by build-out schedule</li> <li>Final wireless design is complete</li> </ul>	Preliminary designs are complete
Year 1	Qtr. 2	<ul> <li>Construction begins on Tulare-Hanford- Visalia ring</li> <li>Construction begins on Fresno ring</li> </ul>	• We have quotes from outside contractors as well as internal outside plant construction crews at the CVIN member companies. Manpower is not projected to be an issue given the resources available.
	Qtr. 3	<ul> <li>Bakersfield ring begins construction</li> <li>Sandrini – Delano ring begins construction</li> <li>Porterville – Tulare route begins</li> <li>Sebastian Overlay begins</li> <li>Wireless engineering complete</li> </ul>	• We have quotes from outside contractors as well as internal outside plant construction crews at the CVIN member companies. Manpower is not projected to be an issue given the resources available.

	Qtr. 4	<ul> <li>Porterville-Tulare route complete</li> <li>Fresno Ring Complete</li> <li>Sebastian Overlay Complete</li> <li>Dinuba – Reedley ring begins construction</li> <li>Madera route construction begins</li> <li>Wireless Broadband Construction begins (4) tower sites completed and operational by the end of Q4.</li> </ul>	We have quotes from outside contractors as well as internal outside plant construction crews at the CVIN member companies. Manpower is not projected to be an issue given the resources available.
Year 2	Qtr. 1	<ul> <li>Sandrini – Delano completed</li> <li>Ducor overlay begins and is completed within Year 2, Q1.</li> <li>Madera route completed</li> <li>Wireless Broadband Construction (4) additional tower sites completed and operational by the end of year 2, Q1. 8 of 12 wireless sites operational.</li> </ul>	• We have quotes from outside contractors as well as internal outside plant construction crews at the CVIN member companies. Manpower is not projected to be an issue given the resources available.
	Qtr. 2	<ul> <li>Bakersfield ring completed</li> <li>Dinuba-Reedley ring completed</li> <li>Copperopolis Overlay begins and is completed within the quarter</li> <li>Jamestown to Mokolumne Hill route begins</li> <li>Wireless Broadband Construction (4) additional tower sites completed and operational by the end of year 2, Q1. 12 of 12 wireless sites operational.</li> <li>Merced to Milton route begins construction</li> <li>All engineering completed</li> </ul>	We have quotes from outside contractors as well as internal outside plant construction crews at the CVIN member companies. Manpower is not projected to be an issue given the resources available.
	Qtr. 3	<ul> <li>Tulare – Hanford- Visalia ring completed</li> <li>Plymouth – Colusa route begins</li> </ul>	We have quotes from outside contractors as well as internal outside plant construction crews at the CVIN member companies. Manpower is not projected to be an issue given the resources available.
	Qtr. 4	<ul> <li>Work continues on Plymouth – Colusa, Merced to Milton, and Jamestown to Mokolumne Hill</li> <li>By the end of year 2 project is 71% complete, which more than meets the substantially complete requirements.</li> </ul>	• We have quotes from outside contractors as well as internal outside plant construction crews at the CVIN member companies. Manpower is not projected to be an issue given the resources available.

Year 3	Qtr. 1	<ul> <li>Jamestown to Mokolumne Hill completed</li> <li>Volcano – Jackson route begins</li> </ul>	• We have quotes from outside contractors as well as internal outside plant construction crews at the CVIN member companies. Manpower is not projected to be an issue given the resources available.
	Qtr. 2	• All work completed. Network is fully tested and commercially available.	• We have quotes from outside contractors as well as internal outside plant construction crews at the CVIN member companies. Manpower is not projected to be an issue given the resources available.
	Qtr. 3		
	Qtr. 4		

Service Area	Total Project	Fotal Project											
			YE	AR 1			YE	AR 2		YEAR 3			
	Total	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8	Qtr. 9	Qtr. 10	Qtr. 11	Qtr. 12
Infrastructure Funds	66,599,688	432,022	2,229,811	5,643,455	7,981,069	8,782,392	10,414,762	10,540,451	7,449,430	7,521,759	5,569,337	20,864	-
Infrastructure Funds Advanced (estimate)	2,954,599												
Percentage of Total Funds	100%	0.65%	3.35%	8.47%	11.98%	13.19%	15.64%	15.83%	11.19%	11.29%	8.36%	0.03%	
Entities Passed & %	-												
Households	13,355					\$4,452	\$4,452	\$4,452					
Percentage of Total Households	100%					33%	33%	33%					
Businesses	39,513			3,286	4,151	4,669	5,189	5,502	3,563	3,633	2,553	6965	
Percentage of Total Businesses	100%			8%	11%	12%	13%	14%	9%	9%	6%	18%	
Strategic Institutions (Comm. Anchor, Public Safety, etc)	5,967			521	652	669	750	789	547	558	390	1091	
Percentage of Total Institutions	100%			9%	11%	11%	13%	13%	9%	9%	7%	18%	

Service Area	Amador County Mide	dle Mile											
			YE	AR 1			YE	AR 2			YEA	AR 3	
	Total	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8	Qtr. 9	Qtr. 10	Qtr. 11	Qtr. 12
Infrastructure Funds	1,984,838.88	22,115.20	10,524.24	39,842.45	65,808.34	190,385.35	223,200.94	273,893.93	177,260.41	518,817.34	461,811.57	1,159.09	-
Infrastructure Funds Advanced (estimate)	\$99,242		\$1,900,149										
Percentage of Total Funds	100.00%	1.11%	0.53%	2.01%	3.32%	9.59%	11.25%	13.80%	8.93%	26.14%	23.27%	0.06%	
Entities Passed & %													
Households													
Percentage of Total Households													
Businesses	1192			24	40	114	134	165	106	312	277	20	
Percentage of Total Businesses	100.00%			2%	3%	10%	11%	14%	9%	26%	23%	2%	
Strategic Institutions (Comm. Anchor, Public Safety, etc)	188			4	6	18	21	26	17	49	44	3	
Percentage of Total Institutions	100.00%			2%	3%	10%	11%	14%	9%	26%	23%	2%	
Service Area	Calaveras County Middle Mile												
			YE	AR 1			YE	AR 2		YEAR 3			
	Total	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8	Qtr. 9	Qtr. 10	Qtr. 11	Qtr. 12
Infrastructure Funds	3,909,897	22,115	10,524	39,842	65,808	190,385	1,195,694	829,685	733,051	717,215	104,418	1,159	-
Infrastructure Funds Advanced (estimate)	\$195,495												
Percentage of Total Funds	100.00%	0.57%	0.27%	1.02%	1.68%	4.87%	30.58%	21.22%	18.75%	18.34%	2.67%	0.03%	
Entities Passed & %													
Households													
Percentage of Total Households													
Businesses	2348			24	40	114	718	498	440	431	63	20	
Percentage of Total Businesses	100.00%			1%	2%	5%	31%	21%	19%	18%	3%	1%	
Strategic Institutions (Comm. Anchor, Public Safety, etc)	370			4	6	18	113	78	69	68	10	3	
Percentage of Total Institutions	100.00%			1%	2%	5%	31%	21%	19%	18%	3%	1%	

Service Area	Colusa County Middle Mile													
			YEAR 1				YE	AR 2		YEAR 3				
	Total	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8	Qtr. 9	Qtr. 10	Qtr. 11	Qtr. 12	
Infrastructure Funds	1,635,492.59	22,115.20	10,524.24	39,842.45	65,808.34	190,385.35	223,200.94	365,259.29	268,625.77	252,788.84	195,783.08	1,159.09	-	
Infrastructure Funds Advanced (estimate)	\$81,775													
Percentage of Total Funds	100.00%	1.35%	0.64%	2.44%	4.02%	11.64%	13.65%	22.33%	16.42%	15.46%	11.97%	0.07%		
Entities Passed & %														
Households														
Percentage of Total Households														
Businesses	982			24	40	114	134	219	161	152	118	20		
Percentage of Total Businesses	100.00%			2%	4%	12%	14%	22%	16%	15%	12%	2%		
Strategic Institutions (Comm. Anchor, Public														
Safety, etc)	155			4	6	18	21	35	25	24	19	3		
Percentage of Total Institutions	100.00%			2%	4%	12%	14%	22%	16%	15%	12%	2%		

Service Area	El Dorado County Middle Mile													
			YE	AR 1			YE	AR 2			YEAR 3			
	Total	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8	Qtr. 9	Qtr. 10	Qtr. 11	Qtr. 12	
Infrastructure Funds	3,097,338.26	22,115.20	10,524.24	39,842.45	65,808.34	190,385.35	223,200.94	730,720.70	634,087.18	618,250.26	561,244.49	1,159.09	-	
Infrastructure Funds Advanced (estimate)	\$154,867													
Percentage of Total Funds	100.00%	0.71%	0.34%	1.29%	2.12%	6.15%	7.21%	23.59%	20.47%	19.96%	18.12%	0.04%		
Entities Passed & %														
Households														
Percentage of Total Households														
Businesses	1860			24	40	114	134	439	381	371	337	20		
Percentage of Total Businesses	100.00%			1%	2%	6%	7%	24%	20%	20%	18%	1%		
Strategic Institutions (Comm. Anchor, Public Safety, etc)	293			4	6	18	21	69	60	58	53	3		
Percentage of Total Institutions	100.00%			1%	2%	6%	7%	24%	20%	20%	18%	1%		

Service Area	Fresno County Middle Mile												
			YEAR 1				YE	AR 2		YEAR 3			
	Total	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8	Qtr. 9	Qtr. 10	Qtr. 11	Qtr. 12
Infrastructure Funds	5,635,304.72	22,115.20	905,332.67	1,407,671.75	1,678,573.14	435,320.86	468,136.45	273,893.93	177,260.41	161,423.49	104,417.72	1,159.09	-
Infrastructure Funds Advanced (estimate)	\$281,765												
Percentage of Total Funds	100%	0.39%	16.07%	24.98%	29.79%	7.72%	8.31%	4.86%	3.15%	2.86%	1.85%	0.02%	
Entities Passed & %													
Households													
Percentage of Total Households													
Businesses	3385			845	1008	261	281	165	106	97	63	558	
Percentage of Total Businesses	100.00%			25%	30%	8%	8%	5%	3%	3%	2%	16%	
Strategic Institutions (Comm. Anchor, Public Safety, etc)	533			133	159	41	44	26	17	15	10	88	
Percentage of Total Institutions	100.00%			25%	30%	8%	8%	5%	3%	3%	2%	16%	

Service Area	Kings County Middl	e Mile											
			YE	AR 1			YE	AR 2			YEA	AR 3	
	Total	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8	Qtr. 9	Qtr. 10	Qtr. 11	Qtr. 12
Infrastructure Funds	2,937,457.91	22,115.20	288,428.70	317,746.90	343,712.79	468,289.80	501,105.40	551,798.39	177,260.41	161,423.49	104,417.72	1,159.09	-
Infrastructure Funds Advanced (estimate)	\$146,873												
Percentage of Total Funds	100%	0.75%	9.82%	10.82%	11.70%	15.94%	17.06%	18.78%	6.03%	5.50%	3.55%	0.04%	
Entities Passed & %													
Households													
Percentage of Total Households													
Businesses	1764			191	206	281	301	331	106	97	63	187	
Percentage of Total Businesses	100.00%			11%	12%	16%	17%	19%	6%	5%	4%	11%	
Strategic Institutions (Comm. Anchor, Public Safety, etc)	278			30	32	44	47	52	17	15	10	29	4
Percentage of Total Institutions	100.00%			11%	12%	16%	17%	19%	6%	5%	4%	11%	1%

Service Area	Kern County Middle	Mile											
			YE	AR 1			YE	AR 2			YEA	NR 3	
	Total	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8	Qtr. 9	Qtr. 10	Qtr. 11	Qtr. 12
Infrastructure Funds	6,015,508.65	22,115.20	10,524.24	1,349,081.83	1,375,047.72	1,499,624.73	1,040,960.26	273,893.93	177,260.41	161,423.49	104,417.72	1,159.09	-
Infrastructure Funds Advanced (estimate)	\$300,775												
Percentage of Total Funds	100%	0.37%	0.17%	22.43%	22.86%	24.93%	17.30%	4.55%	2.95%	2.68%	1.74%	0.02%	
Entities Passed & %													
Households													
Percentage of Total Households													
Businesses	3613			810	826	901	625	165	106	97	63	20	
Percentage of Total Businesses	100.00%			22%	23%	25%	17%	5%	3%	3%	2%	1%	
Strategic Institutions (Comm. Anchor, Public													
Safety, etc)	569			128	130	142	98	26	17	15	10	3	
Percentage of Total Institutions	100.00%			22%	23%	25%	17%	5%	3%	3%	2%	1%	

Service Area	Madera County Mide	dle Mile											
			YE	AR 1			YE	AR 2			YEA	AR 3	
	Total	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8	Qtr. 9	Qtr. 10	Qtr. 11	Qtr. 12
Infrastructure Funds	2,275,856.89	22,115.20	10,524.24	39,842.45	568,721.19	693,298.21	223,200.94	273,893.93	177,260.41	161,423.49	104,417.72	1,159.09	-
Infrastructure Funds Advanced (estimate)	\$113,793												
Percentage of Total Funds	100.00%	0.97%	0.46%	1.75%	24.99%	30.46%	9.81%	12.03%	7.79%	7.09%	4.59%	0.05%	
Entities Passed & %													
Households													
Percentage of Total Households													
Businesses	1367			24	342	416	134	165	106	97	63	20	
Percentage of Total Businesses	100.00%			2%	25%	30%	10%	12%	8%	7%	5%	1%	
Strategic Institutions (Comm. Anchor, Public Safety, etc)	215			4	54	66	21	26	17	15	10	3	
Percentage of Total Institutions	100.00%			2%	25%	30%	10%	12%	8%	7%	5%	1%	

Service Area	Mariposa County Mi	ddle Mile											
			YE	AR 1			YE	AR 2			YEA	NR 3	
	Total	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8	Qtr. 9	Qtr. 10	Qtr. 11	Qtr. 12
Infrastructure Funds	1,270,031.18	22,115.20	10,524.24	39,842.45	65,808.34	190,385.35	223,200.94	273,893.93	177,260.41	161,423.49	104,417.72	1,159.09	-
Infrastructure Funds Advanced (estimate)	\$63,502												
Percentage of Total Funds	100.00%	1.74%	0.83%	3.14%	5.18%	14.99%	17.57%	21.57%	13.96%	12.71%	8.22%	0.09%	
Entities Passed & %													
Households													
Percentage of Total Households													
Businesses	763			24	40	114	134	165	106	97	63	20	
Percentage of Total Businesses	100.00%			3%	5%	15%	18%	22%	14%	13%	8%	3%	
Strategic Institutions (Comm. Anchor, Public Safety, etc)	120			4	6	18	21	26	17	15	10	3	
Percentage of Total Institutions	100.00%			3%	5%	15%	18%	22%	14%	13%	8%	3%	

Service Area	Merced County Mide	dle Mile											
			YE.	AR 1			YE	AR 2			YEA	AR 3	
	Total	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8	Qtr. 9	Qtr. 10	Qtr. 11	Qtr. 12
Infrastructure Funds	3,903,985.98	22,115.20	10,524.24	39,842.45	65,808.34	190,385.35	749,991.90	800,684.89	704,051.37	688,214.45	631,208.68	1,159.09	-
Infrastructure Funds Advanced (estimate)	\$195,199												
Percentage of Total Funds	100.00%	0.57%	0.27%	1.02%	1.69%	4.88%	19.21%	20.51%	18.03%	17.63%	16.17%	0.03%	
Entities Passed & %													
Households													
Percentage of Total Households													
Businesses	2345			24	40	114	450	481	423	413	379	20	
Percentage of Total Businesses	100.00%			1%	2%	5%	19%	21%	18%	18%	16%	1%	
Strategic Institutions (Comm. Anchor, Public													
Safety, etc)	369			4	6	18	71	76	67	65	60	3	
Percentage of Total Institutions	100.00%			1%	2%	5%	19%	21%	18%	18%	16%	1%	

Service Area	Nevada County Mid	dle Mile											
			YE	AR 1			YE	AR 2			YEA	AR 3	
	Total	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8	Qtr. 9	Qtr. 10	Qtr. 11	Qtr. 12
Infrastructure Funds	2,731,876.84	22,115.20	10,524.24	39,842.45	65,808.34	190,385.35	223,200.94	639,355.35	542,721.83	526,884.90	469,879.14	1,159.09	-
Infrastructure Funds Advanced (estimate)	\$136,594												
Percentage of Total Funds	100.00%	0.81%	0.39%	1.46%	2.41%	6.97%	8.17%	23.40%	19.87%	19.29%	17.20%	0.04%	
Entities Passed & %													
Households													
Percentage of Total Households													
Businesses	1641			24	40	114	134	384	326	316	282	20	
Percentage of Total Businesses	100.00%			1%	2%	7%	8%	23%	20%	19%	17%	1%	
Strategic Institutions (Comm. Anchor, Public Safety, etc)	258			4	6	18	21	60	51	50	44	3	
Percentage of Total Institutions	100.00%			1%	2%	7%	8%	23%	20%	19%	17%	1%	

Service Area	Placer County Midd	le Mile											
			YE.	AR 1			YE	AR 2			YEA	NR 3	
	Total	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8	Qtr. 9	Qtr. 10	Qtr. 11	Qtr. 12
Infrastructure Funds	2,000,954.01	22,115.20	10,524.24	39,842.45	65,808.34	190,385.35	223,200.94	456,624.64	359,991.12	344,154.19	287,148.43	1,159.09	-
Infrastructure Funds Advanced (estimate)	\$100,048												
Percentage of Total Funds	100.00%	1.11%	0.53%	1.99%	3.29%	9.51%	11.15%	22.82%	17.99%	17.20%	14.35%	0.06%	
Entities Passed & %													
Households													
Percentage of Total Households													
Businesses	1202			24	40	114	134	274	216	207	172	20	
Percentage of Total Businesses	100.00%			2%	3%	10%	11%	23%	18%	17%	14%	2%	
Strategic Institutions (Comm. Anchor, Public Safety, etc)	189			4	6	18	21	43	34	33	27	3	
Percentage of Total Institutions	100.00%			2%	3%	10%	11%	23%	18%	17%	14%	2%	

Service Area	San Joaquin County	Middle Mile											
			YE	AR 1			YE	AR 2			YEA	NR 3	
	Total	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8	Qtr. 9	Qtr. 10	Qtr. 11	Qtr. 12
Infrastructure Funds	4,656,544.49	22,115.20	10,524.24	39,842.45	65,808.34	190,385.35	900,503.61	951,196.60	854,563.07	838,726.15	781,720.39	1,159.09	-
Infrastructure Funds Advanced (estimate)	\$232,827												
Percentage of Total Funds	100.00%	0.47%	0.23%	0.86%	1.41%	4.09%	19.34%	20.43%	18.35%	18.01%	16.79%	0.02%	
Entities Passed & %													
Households													
Percentage of Total Households													
Businesses	2797			24	40	114	541	571	513	504	470	20	
Percentage of Total Businesses	100.00%			1%	1%	4%	19%	20%	18%	18%	17%	1%	
Strategic Institutions (Comm. Anchor, Public Safety, etc)	440			4	6	18	85	90	81	79	74	3	
Percentage of Total Institutions	100.00%			1%	1%	4%	19%	20%	18%	18%	17%	1%	

Service Area	Stanislaus County M	liddle Mile											
			YE	AR 1			YE	AR 2			YEA	NR 3	
	Total	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8	Qtr. 9	Qtr. 10	Qtr. 11	Qtr. 12
Infrastructure Funds	2,775,148.21	22,115.20	10,524.24	39,842.45	65,808.34	190,385.35	524,224.35	574,917.34	478,283.82	462,446.89	405,441.13	1,159.09	-
Infrastructure Funds Advanced (estimate)	\$138,757												
Percentage of Total Funds	100.00%	0.80%	0.38%	1.44%	2.37%	6.86%	18.89%	20.72%	17.23%	16.66%	14.61%	0.04%	
Entities Passed & %													
Households													I
Percentage of Total Households													
Businesses	1667			24	40	114	315	345	287	278	244	20	
Percentage of Total Businesses	100.00%			1%	2%	7%	19%	21%	17%	17%	15%	1%	
Strategic Institutions (Comm. Anchor, Public Safety, etc)	262			4	6	18	50	54	45	44	38	3	
Percentage of Total Institutions	100.00%			1%	2%	7%	19%	21%	17%	17%	15%	1%	

Service Area	Sutter County Middle	e Mile											
			YE	AR 1			YE	AR 2			YEA	AR 3	
	Total	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8	Qtr. 9	Qtr. 10	Qtr. 11	Qtr. 12
Infrastructure Funds	2,731,876.84	22,115.20	10,524.24	39,842.45	65,808.34	190,385.35	223,200.94	639,355.35	542,721.83	526,884.90	469,879.14	1,159.09	-
Infrastructure Funds Advanced (estimate)	\$136,594												
Percentage of Total Funds	100.00%	0.81%	0.39%	1.46%	2.41%	6.97%	8.17%	23.40%	19.87%	19.29%	17.20%	0.04%	
Entities Passed & %													
Households													
Percentage of Total Households													
Businesses	1641			24	40	114	134	384	326	316	282	20	
Percentage of Total Businesses	100.00%			1%	2%	7%	8%	23%	20%	19%	17%	1%	
Strategic Institutions (Comm. Anchor, Public						10							
Safety, etc)	258			4	6	18	21	60	51	50	44	3	
Percentage of Total Institutions	100.00%			1%	2%	7%	8%	23%	20%	19%	17%	1%	

Service Area	Tuolumne County M	iddle Mile											
			YE	AR 1			YE	AR 2			YEA	NR 3	
	Total	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8	Qtr. 9	Qtr. 10	Qtr. 11	Qtr. 12
Infrastructure Funds	2,752,140.60	22,115.20	10,524.24	39,842.45	65,808.34	190,385.35	593,728.30	644,421.29	547,787.77	531,950.84	104,417.72	1,159.09	-
Infrastructure Funds Advanced (estimate)	\$137,607												
Percentage of Total Funds	100.00%	0.80%	0.38%	1.45%	2.39%	6.92%	21.57%	23.42%	19.90%	19.33%	3.79%	0.04%	
Entities Passed & %													
Households													
Percentage of Total Households													
Businesses	1653			24	40	114	357	387	329	319	63	20	
Percentage of Total Businesses	100.00%			1%	2%	7%	22%	23%	20%	19%	4%	1%	
Strategic Institutions (Comm. Anchor, Public	260			4	6	18	56	61	52	50	10	2	
Safety, etc) Percentage of Total Institutions	100.00%			4 1%	2%	7%	22%	23%	20%	19%	4%	1%	

Service Area	Tulare County Midd	e Mile											
			YE	AR 1			YE	AR 2			YEA	AR 3	
	Total	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8	Qtr. 9	Qtr. 10	Qtr. 11	Qtr. 12
Infrastructure Funds	10,069,767.87	22,115.20	844,237.61	1,998,853.65	2,269,755.04	2,081,088.53	1,301,849.82	1,107,607.30	177,260.41	161,423.49	104,417.72	1,159.09	-
Infrastructure Funds Advanced (estimate)	\$503,488												
Percentage of Total Funds	100%	0.22%	8.38%	19.85%	22.54%	20.67%	12.93%	11.00%	1.76%	1.60%	1.04%	0.01%	
Entities Passed & %													
Households													
Percentage of Total Households													
Businesses	6048			1201	1363	1250	782	665	106	97	63	521	
Percentage of Total Businesses	100.00%			20%	23%	21%	13%	11%	2%	2%	1%	9%	
Strategic Institutions (Comm. Anchor, Public Safety, etc)	952			189	215	197	123	105	17	15	10	82	
Percentage of Total Institutions	100.00%			20%	23%	21%	13%	11%	2%	2%	1%	9%	

Service Area	Yuba County Middle Mile												
		YEAR 1			YEAR 2			YEAR 3					
	Total	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8	Qtr. 9	Qtr. 10	Qtr. 11	Qtr. 12
Infrastructure Funds	2,731,876.84	22,115.20	10,524.24	39,842.45	65,808.34	190,385.35	223,200.94	639,355.35	542,721.83	526,884.90	469,879.14	1,159.09	-
Infrastructure Funds Advanced (estimate)	\$136,594												
Percentage of Total Funds	100.00%	0.81%	0.39%	1.46%	2.41%	6.97%	8.17%	23.40%	19.87%	19.29%	17.20%	0.04%	
Entities Passed & %													
Households													
Percentage of Total Households													
Businesses	2092				50	146	171	490	416	404	360	56	
Percentage of Total Businesses	100.00%				2%	7%	8%	23%	20%	19%	17%	3%	
Strategic Institutions (Comm. Anchor, Public Safety, etc)	258			4	6	18	21	60	51	50	44	3	
Percentage of Total Institutions	100.00%			1%	2%	7%	8%	23%	20%	19%	17%	1%	

Service Area	South Valley Last Mile Wireless												
		YEAR 1			YEAR 2			YEAR 3					
	Total	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8	Qtr. 9	Qtr. 10	Qtr. 11	Qtr. 12
Infrastructure Funds	\$3,483,790	\$33,948	\$33,948	\$12,306	\$889,751	\$1,129,760	\$1,129,760	\$240,000					
Infrastructure Funds Advanced (estimate)	\$250,000	\$250,000											
Percentage of Total Funds	100%	1.0%	1.0%	0.4%	25.6%	32.6%	32.6%	6.9%					
Entities Passed & %													
Households	13355					4452	4452	4452					
Percentage of Total Households	100%					33%	33%	33%					
Businesses	1154					385	385	385					
Percentage of Total Businesses	100%					33%	33%	33%					1
Strategic Institutions (Comm. Anchor, Public Safety, etc)													
Percentage of Total Institutions													1

FORM CD-511 (REV 1-05)

#### **CERTIFICATION REGARDING LOBBYING**

Applicants should also review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 28, "New Restrictions on Lobbying." The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of Commerce determines to award the covered transaction, grant, or cooperative agreement.

#### LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over \$100,000 or a loan or loan guarantee over \$150,000 as defined at 15 CFR Part 28, Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in conncection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying." in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

#### Statement for Loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

In any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.

NAME	OF APPLICANT
CVIN	LLC

PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE

David Douglas,	President	
SIGNATURE	il Don	1.1.
Nan	y read	ph

AWARD NUMBER AND/OR PROJECT NAME

BTOP EGID: 6451

DATE 5/19/2010

U.S. DEPARTMENT OF COMMERCE

FORM CD-512 (REV 12-04)

#### **CERTIFICATION REGARDING LOBBYING LOWER TIER COVERED TRANSACTIONS**

Applicants should review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 28, "New Restrictions on Lobbying."

#### LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over \$100,000 or a loan or loan guarantee over \$150,000 as defined at 15 CFR Part 28, Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

#### Statement for Loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

In any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.

NAME OF APPLICANT
CVIN LLC
PRINTED NAME AND TITLE OF

AWARD NUMBER AND/OR PROJECT NAME BTOP EGID: 6451

PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE

David Douglas	s, President	
SIGNATURE	ud Den	lu-
Juit	147000	il contraction of the second s

DATE 5/19/2010 U.S. DEPARTMENT OF COMMERCE

Approved by OMB No. 0348-0046

a Statistica A Substatistic	11 (B) + 2 ( 11 11	지만 기신 (4))	Approved by OMB NO. 0346-0046			
Complete	DISCLOSURE OF LOB this form to disclose lobbying (See Reverse for public	activities pu	irsuant to 31 U.S.C. 1352			
1. Type of Federal Action:         2. Status of Federal Action:			3. Report Type:			
b a. contract b. grant c. cooperative agreement d. loan e. loan guarantee f. loan insurance	a bid/offer/applicatio b. initial award c. post-award	n	a initial filing b. material change For Material Change Only: year quarter date of last report			
4. Name and Address of Reporting Entity: ✓ Prime Subawardee			brting Entity in No. 4 is a Subawardee, Enter Name Idress of Prime:			
CVIN, LLC	, if known:	N/A				
1346 N Floyd Avenue Fresno, CA 93723		지지 않지 않 (2013년 14) (11) 48)	S. S			
Congressional District, If known:		Congressional District, If known:				
6. Federal Department/Agency: Department of Commerce, Natio Telecommunications and Inform		Broadbar	al Program Name/Description: nd Technology Opportunities Program umber, <i>if applicable</i> :			
8. Federal Action Number, If known:		9. Award	Amount, If known:			
an bartan (1984) yang territori Paratan Sang Paratan		\$				
10. a. Name and Address of Lobbyin (If individual, last name, first name N/A		differen	<b>uals Performing Services</b> (Including address if at from No. 10a) ame, first name, MI):			
	an a		11 110 0			
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less that \$10,000 and not more than \$100,000 for each such failure.			Signature:			
Federal Use Only:	economic entro estructure es	o no alcando e Si galaetaen no	Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)			

#### **U.S. Department of Commerce Broadband Technology Opportunities Program Authentication and Certifications**

- 1. I certify that I am the duly Authorized Organization Representative (AOR) of the applicant organization, and that I have been authorized to submit the attached application on its behalf.
- 2. I certify that I have examined this application, that all of the information and responses in this application, including certifications, and forms submitted, all of which are part of this grant application, are material representations of fact and true and correct to the best of my knowledge, that the entity(ies) that is requesting grant funding pursuant to this application and any subgrantees and subcontractors will comply with the terms, conditions, purposes, and federal requirements of the grant program; that no kickbacks were paid to anyone; and that a false, fictitious, or fraudulent statements or claims on this application are grounds for denial or termination of a grant award, and/or possible punishment by a fine or imprisonment as provided in 18 U.S.C. §1001 and civil violations of the False Claims Act.
- 3. I certify that the entity(ies) I represent has and will comply with all applicable federal, state, and local laws, rules, regulations, ordinances, codes, orders and programmatic rules and requirements relating to the project. I acknowledge that failure to do so may result in rejection or deobligation of the grant or loan award. I acknowledge that failure to comply with all federal and program rules could result in civil or criminal prosecution by the appropriate law enforcement authorities.
- 4. I certify that the entity(ies) I represent has and will comply with all applicable administrative and federal statutory, regulatory, and policy requirements set forth in the Department of Commerce Pre-Award Notification Requirements for Grants and Cooperative Agreements ("DOC Pre-Award Notification"), published in the Federal Register on February 11, 2008 (73 FR 7696), as amended; DOC Financial Assistance Standard Terms and Conditions (Mar. 8, 2009); the Department of Commerce American Recovery and Reinvestment Act Award Terms (Apr. 9, 2009); and any Special Award Terms and Conditions that are included by the Grants Officer in the award.
- 5. I certify that any funds awarded to the entity(ies) I represent as a result of this application will not result in any unjust enrichment of such entity(ies) or duplicate any funds such entity(ies) receives under federal universal service support programs administered by the Universal Service Administrative Corporation (USAC).
- 6. I certify that the entity(ies) I represent has secured access to pay the 20% of total project cost or has petitioned the Assistant Secretary of NTIA for a waiver of the matching requirement.

3/15/10

Authorized Organization Representative Signature

DAVID DOUGLAS Print Name PRESIDENT - CVIN, LLC

Title