California Public Library Broadband Project

15-02

Grant Application Program

APPENDIX A-Grant Application

California Public Library Broadband Project
15-02 Branch Grant Assistance Application

ELEMENT 1: INFORMATION

Applicant Information	
1. Library Full Name	El Dorado County Library
2. Library DUNS Number	001879035
3. County	El Dorado
4. Street Address	345 Fair Lane
5. City, State Zip+4	Placerville, CA 95667-4106
6. Website URL:	www.eldoradolibrary.org
7. Contact Name and Title	Jeanne Amos, Library Director
8. Contact Phone Number	530 621-5546
9. Contact Email Address	Jeanne.amos@edcgov.us

10.	Project Purpose (Please check all that apply)
x☐	A Technology Hardware Funding covering network equipment, and equipment installation and configuration.
x☐	B Architectural and Building Funding covering building modifications necessary to install and operate the network equipment.
☐	C Network Consulting Funding covering consultant costs associated with equipment configuration.

Project Timeline	
11. Can the project be completed by June 30, 2018?	x☐ Yes
12. Estimated start date	10/1/2017
13. Estimated completion date	6/30/2018

Project Budget	
14. Amount of grant funding request	$15,000
15. Amount of matching funds	$ 2,578
16. Total Project Cost	$17,578

As an authorized representative of the library listed above, I hereby certify that the information contained in this application is true and correct. I agree to the terms and conditions surrounding use of this funding if awarded.

_____   _____
Signature of Library Director   Date

ELEMENT 2: ACTIVITIES

Activity	Timeline
Order equipment from vendors	After grant approval and acceptance by the County Board of Supervisors Estimated to begin April 1, 2017
Receive equipment from vendors	November 2017
Install Equipment in Georgetown	January 2018
Work with ATT to connect	January to March 2018
March 2018	Go Live
Grant Award Completion	June 2018

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ELEMENT 3-1: BUDGET

Provide specific budget information for each project you are proposing.
- Do NOT include costs that are ineligible for grant funding, such as your own staff time.
- All equipment must be new.
- Column A should be equipment lists. Column B should list expected costs from the vendor you intend to purchase items and services from. If only a Main connection, use this page only. If you are requesting funding for branch connection(s), put total amount in Element 3-1 and details in Element 3-2. Explanation is required under each section. Round all costs to the nearest dollar.
- If the grant request does not cover the full cost of any item listed in the application, detail the amount and sources of funds to be used to pay for the balance in the Explanation field.

Proposed Budget for Grant Eligible Project Costs	
Column A	Column B
Project Budget Detail	Project Costs
A Technology Hardware Funding	
	$760
	$260
	$11,578
Subtotal	$12,578
Explanation:	
Project Budget Detail	Project Costs
B Architectural and Building Funding-	
	$5,000
	$0
	$0
Subtotal	$5,000
Explanation:	
Project Budget Detail	Project Costs
C Network Consulting Funding-	
	$0
	$0
	$0
Subtotal	$0
Explanation:	
Total Cost of Eligible Projects (Consulting Fees, Materials, Hardware, Software)	$15,000
X% Cash Match Committed by Library (May be cash or in-kind)	$0
Additional Match	$2,578
Total Grant Funding Requested	**$17,578**

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ELEMENT 3-2: BUDGET

Provide specific budget information for each project you are proposing.
Provide name of branch, reason for need of funding and expected costs to connect.
Up to four sites may be funded.

Proposed Budget for Grant Eligible Project Costs by Branch	
Column A	**Column B**
Project Budget Detail	**Project Costs**
A Branch Name: Georgetown Library	
1-SMARTUPS X 1500 Power Backup	$740
2-SMARTSLOT UPS NTWK Mgmt Card	$260
3 - CENIC owned CPE	$11,578
4-Convert closet into computer room	$5,000
Subtotal	$17,578

Explanation:
1,2 – Power Protection and Battery backup for new equipment
3 - CENIC fee for router/CPE
4 – Convert closet to computer room, including new door, ventilation, exhaust fan, two 20-amp circuits

Project Budget Detail	Project Costs
B Branch Name:	
	$0
	$0

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		$0
	Subtotal	$0
Explanation:		

Project Budget Detail	Project Costs
C Branch Name:	
	$0
	$0
	$0
Subtotal	$0
Explanation:	

Project Budget Detail	Project Costs
D. Branch Name:	
	$0
	$0
	$0
Subtotal	$0
Explanation:	

ELEMENT 4:   SUSTAINABILITY

Sustainability	
Will there be ongoing costs? If yes, what will they be to continue to support this project?	Yes, for service agreements and for replacement equipment
Explain how you will fund and support any ongoing costs to support this project after FY 2016/2017.	We will budget for equipment in the regular department budget as needed.

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ELEMENT 5:   ATTACHMENTS

If you have additional resources that support your grant, please attach them after this page.

- Be sure to scan the application with attachments.

ELEMENT 6:   SUBMISSION

Please submit applications to:

By Mail:

Southern California Library Cooperative

248 E. Foothill Blvd, Suite 101

Monrovia, California 91016-5525

Attn: Broadband Grants

By Email*:

Send to **broadband@socallibraries.org**

* If you email your application, the signed original will need to be received within 7 days of the emailed application.

APPENDIX B-Eligible Expenses

Technology Funding

Access Point (Data Distribution)

- An Access Point is a base station in a wireless Local Area Network. Access points are typically stand-alone devices that may plug into an Ethernet switch or server or may provide a repeater function for wireless networks.

Antenna

- An antenna is a device for transmitting and/or receiving radio frequency signals.

Cabling/Connectors

- Cabling refers to the wires or groups of wires capable of carrying voice, video or data transmissions. Cabling provides electrical (or, in the case of fiber optics, lightwave) connectivity between points. Connectors are devices that connect wires or fibers.
- Cabling, connectors and related components used for voice, video and data transmission. Eligible components include:
- Cable (e.g., copper, fiber, coax, twisted pair)
- Connectors
- Gigabit Interface Convertor (GBIC) or Small Form-factor Pluggable (SFP) device or SFP+ device
- Jacks, panels, faceplates and wire managers
- Network Interface Cards
- Other cabling components necessary to transport information to the public areas of a library.

Circuit Cards/ Components

- Circuit cards and related components, such as memory modules/Random Access Memory (RAM), if they are necessary for adequate performance of an eligible component. For example, an eligible router.
- Network interface cards that are separately priced or used in eligible equipment.

Data Distribution

- Components used to transport information from telecommunication or Internet access facilities to the public areas of a library. Such components may include:
- Access Points
- Firewalls
- Network Switches
- Routers
- Switches
- Wireless LAN Controllers.

Fiber or Dark Fiber

- Trenching or aerial insertion for on-premises fiber installation.
- Lit or dark fiber, provided by any entity, including a non- telecommunications carrier. Dark fiber is eligible as long as applicants light the fiber immediately.
- Lit fiber—For leased lit fiber, special construction charges are eligible.
- Dark fiber—From the eligible entity up to the property line, construction costs to connect the fiber are eligible.

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Network Management Software

- Network Management is a system of equipment or software used in monitoring, controlling, and managing a communications network.

Wireless Internet

- A wireless Internet access service is eligible under the same provisions as wired access to the Internet.

Architectural and Building Funding

Conduit

- Conduit and raceway including installation of conduit for network Point-of-Entry services.
- Conduit installation into the Point-of-Entry or server room, including vaults, surface-mount conduit, wall penetration, and related services and products.

Electrical System Upgrades

- Electrical service installation or upgrades. Electrical system upgrades refer to products and services that provide, upgrade, or enhance the provision of electrical power.
- Purchase and installation of electrical panels, electrical services and backboards.

Environmental Monitoring Components

- Environmental monitoring components provide information about heat, humidity or other factors in order to provide a warning system for conditions that may affect the correct operation of equipment. For example, an environmental monitoring card is sometimes available as an optional feature of an uninterruptible power supply and is used to monitor the environmental conditions of a rack, computer room or data center.

Equipment Racks and Cabinets

- A rack is a metal supporting framework for mounting cables, equipment, and/or wires. A cabinet is an enclosure for equipment, terminating cables, connection devices, and/or wires.
- Racks are eligible only to the extent that the components they contain are eligible. A surge protector provided as an integral component of a rack or cabinet, without a separately identifiable cost can be included in the cost of the rack or cabinet but a separately priced surge protector is not eligible.

Heating, Ventilation, and Air Conditioning (HVAC)

- Purchase and installation of HVAC products and services.

Uninterruptible Power Supply (UPS)/Battery Backup

- An Uninterruptible Power Supply (UPS)/Battery Backup that protects eligible equipment is eligible as a data protection component but no funding will be provided for UPS systems that can provide continued backup power for substantial periods in excess of that necessary for basic power protection.
- The following components used for the reliable operation of a UPS are eligible:
  - UPS Interface Expander
  - Relay I/O Module.

Networking Consulting Funding

Consultant costs associated with configuring equipment.

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APPENDIX C-Grant Award Amounts

Grant amounts are based on figures reported by your library for the most recent period available (2014-2015):

- Local Operating Income **and** Population of the Legal Service Area.

Local Income Per Capita (LIPC) level is derived from the two figures listed above. Your library's LIPC is the result of dividing Local Operating Income by the Population of the Legal Service Area.

A local match is required for the two higher LIPC levels.

The grant amounts are divided into three tiers, or LIPC levels, defined as follows.

Main Libraries

	LIPC from:	Up to:	Grant Amount	Local Match %	Local Match Amount	Grant + Match
LIPC Level 1	$0	$50.00	$30,000	0%	$0	$30,000
LIPC Level 2	$50.01	$99.99	$24,000	$25%	$6,000	$30,000
LIPC Level 3	$100.00	$	$20,000	$50%	$10,000	$30,000

Branch Connections

	LIPC from:	Up to:	Grant Amount	Local Match %	Local Match Amount	Grant + Match
LIPC Level 1	$0	$50.00	$15,000	0%	$0	$15,000
LIPC Level 2	$50.01	$99.99	$12,000	25%	$3,000	$15,000
LIPC Level 3	$100.00	$	$10,000	50%	$5,000	$15,000

See Appendix D for List of Librariies.

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List of Libraries for 2016-2017

	LIPC Level	Max Grant Award (Main Library)	Match %	Match Amount	Grant + Match	Max Grant Award per Branch	Match %	Match Amount	Grant + Match
Alpine County Library/Archives	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Amador County Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Butte County Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Calaveras County Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
City of Commerce Public Library	3	$20,000	50%	$10,000	$30,000	$10,000	50%	$5,000	$15,000
County of Los Angeles Public Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
El Dorado County Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Fresno County Public Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Humboldt County Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Kern County Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Kings County Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Lincoln Public Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Lodi Public Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Lompoc Public Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Madera County Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Mariposa County Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Merced County Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Monrovia Public Library	2	$24,000	25%	$6,000	$30,000	$12,000	25%	$3,000	$15,000
Mountain View Public Library	2	$24,000	25%	$6,000	$30,000	$12,000	25%	$3,000	$15,000
Nevada County Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Orange Public Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000

Palos Verdes Library District	3	$20,000	50%	$10,000	$30,000	$10,000	50%	$5,000	$15,000
Plumas County Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Porterville Public Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Sacramento Public Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
San Bernardino Public Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
San Diego Public Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
San Luis Obispo City County Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Santa Barbara Public Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Santa Maria Public Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Shasta Public Libraries	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Signal Hill Public Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Solano County Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Sonoma County Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
St. Helena Public Library	3	$20,000	50%	$10,000	$30,000	$10,000	50%	$5,000	$15,000
Stockton-San Joaquin Public Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Tehama County Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Trinity County Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Tulare County Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000
Yolo County Library	1	$30,000	0%	$0	$30,000	$15,000	0%	$0	$15,000