

OFFICE OF THE CITY ATTORNEY
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2. Except as expressly amended in this Amendment, all terms and conditions in Agreement No. 33801 are ratified and confirmed and shall remain in full force and effect.

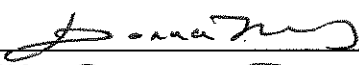
IN WITNESS WHEREOF, the parties have caused this document to be duly executed with all formalities required by law as of the date first stated above.

CALIFA GROUP, a California corporation

2-10, 2017

By 
Name PAULA MACKINNON
Title Interim Director

2-10, 2017

By 
Name Donna Tuong
Title CFO

"Consultant"

CITY OF LONG BEACH, a municipal corporation

Feb. 22, 2017


By 
City Manager
"City"

EXECUTED PURSUANT TO SECTION 301 OF THE CITY CHARTER.

Assistant City Manager

This Third Amendment to Agreement No. 33801 is approved as to form on Feb. 16, 2017.

CHARLES PARKIN, City Attorney

By 
Deputy

Appendix #1, Revised February, 2017
Provision, Installation and Maintenance
Of Advanced Network (Data) Services:
Reimbursement of Circuit Costs

This Appendix lists the circuits contracted for by CENIC on behalf of Califa and the Library for connecting CENIC's fiber optic backbone to Library and for connections that are not direct connections to CENIC's fiber optic backbone, e.g. direct connections between libraries. Library understands that CENIC will bill Califa, and Califa will bill Library, for actual costs of circuits charged by network service providers, including taxes and surcharges and without markup. Prior to approval of CENIC's Library consortium E-rate application by the FCC's E-rate contractor, not all applicable E-rate and CTF discounts will be reflected on invoices. After the E-rate application for any given year is approved, the network service provider will coordinate with CENIC to provide appropriate credits and such credits will be passed from CENIC to Califa and from Califa to the Library. Library further understands that the exact discounted cost of circuits will not be known until after the E-rate consortium application is approved. Therefore, a range of circuit costs is shown below, with the understanding that the actual discounted costs will fall within the range and until the actual discounted costs are realized, the Library is liable for the highest cost shown. The actual start date of the service, and therefore of circuit costs, will be dependent on coordination among CENIC, the Library and the network service provider.

Long Beach Public Library					
5 year term					
		1G to CalREN to 1G Branches			
Summary Totals		Pre Discount Costs (not including Taxes & Surcharges)		Estimated Net Costs, after discounts applied (not including Taxes & Surcharges)	
		NRC*	Monthly	NRC*	Monthly
		\$ -	\$ 11,350.00	\$ -	\$ 1,135.00
Note1: Design is for a circuit from Long Beach Public Library to a CalREN Hub site.		1G Circuit to CalREN			
Connection to HUB	Disc %	Pre Discount Costs		Estimated Net Costs, after discounts applied	
E-rate Discount for Long Beach Public Library**:	0.8				
CTF Discount***:	0.5				
Connection to CalREN Hub at Long Beach Public Library		NRC*	Monthly	NRC*	Monthly
Link 1: 1G to CalREN Hub		\$ -	\$ 1,450.00	\$ -	\$ 145.00
Taxes & Surcharges on links		<i>Varies</i>			

Library Equipment	Long Beach Public Library is responsible to provide a router with at least one LAN interface. This router should support BGP and NAT. An upgraded Firewall appliance may also be needed to support the data streams.			
	1G circuits to branches			
Itemized - Main to Branches	Pre Discount Costs		Estimated Net Costs, after discounts applied	
Circuits to Long Beach Public Library	NRC*	Monthly	NRC*	Monthly
Link2: Alamitos Branch Library to Long Beach Public Library	\$ -	\$ 1,650.00	\$ -	\$ 165.00
Link3: Bay Shore Branch Library to Long Beach Public Library	\$ -	\$ 1,650.00	\$ -	\$ 165.00
Link4: Brewitt Branch Library to Long Beach Public Library	\$ -	\$ 1,650.00	\$ -	\$ 165.00
Link5: Dana Branch Library to Long Beach Public Library	\$ -	\$ 1,650.00	\$ -	\$ 165.00
Link6: El Dorado Branch Library to Long Beach Public Library	\$ -	\$ 1,650.00	\$ -	\$ 165.00
Link7: Los Altos Branch Library to Long Beach Public Library	\$ -	\$ 1,650.00	\$ -	\$ 165.00
Taxes & Surcharges on links	<i>Varies</i>			
Library Equipment	Main Library will need a router or switch with at least one LAN interface. This router should support BGP and NAT. An upgraded Firewall appliance may be necessary. Each branch will also need a router or switch with at least one LAN interface.			

Note 2: These numbers do not include early termination fees that might be required from current provider(s), nor equipment the Library may need to purchase to support these circuits, nor Taxes &

Surcharges on the circuits.

Definitions

*NRC - Non-Recurring Charges

**E-rate discount: percent discount indicated is an estimate based on data available at the time the quote was generated. Actual discount percentage will be identified by the E rate authorities at a later point.

***CTF discount: percent discount of amount after E rate discount is applied. CTF discount is always 50%.

Note 3: E-rate and CTF discounts are dependent upon the continued funding of these programs. CENIC/Califa cannot guarantee the E-rate and CTF discounts, and these discounts are subject to change.