



Technology & Network Services CBOC Presentation

May 14, 2019



Overview

1. Technology Organization
2. Network Upgrade - Meraki (Cisco)
3. Wiring Infrastructure
4. VOIP Phones
5. Clock/Speakers
6. E-Rate Funding
7. Future Projects



Technology Organization

Richard DeJarnatt
Director
8 months

Brian Avrit
Network Systems
Analyst
5 months

Andre Bell
Help Desk
Technician
9 months

Kala Gulovsen
Help Desk
Technician
3 months

Barbara Martinez
Technology Systems
Database Analyst
15 years



Major Tech Infrastructure Improvements



New Districtwide
Local Area Network
(LAN) - Meraki



New CAT6 Cabling
Districtwide



New Clock/ Speakers/
PA System in all
Classrooms



New VOIP Phones
Districtwide



Upgrade from 1GB to
10GB Wide Area
Network (WAN)
Capacity



Network Upgrade - Meraki Implementation

Vendor: Development Group Inc.

- ❑ New Wireless Access Points (WAP) in Every Classroom and Office
- ❑ New Switches and Routers in Every School / District Office
- ❑ Online/24 hr. Real-time Visibility for Network Performance (show demo)
- ❑ Network capacity: 10Gbps
- ❑ Total Cost: \$1,495,065 (Ed-Tech Bonds/General Fund)
- ❑ Implementation Timeline: December 2018 - April 2019



Wiring Infrastructure

Vendor: World Bridge - 85%, completed in 2018

- ❑ Discovered that none of the Auditoriums were wired in the prior upgrade project during the network installation and clock/speakers project; plus various classroom and office spaces across all schools.
- ❑ Utilized On-Target to complete the rest of the spaces, April 2019
- ❑ Total Cost: \$402,400 (E-Rate and General Fund)
- ❑ Completed: January 2018 - May 2018



VOIP Phones

Vendor: AMS.net partial project management by FACJPA with prior district management team.

- Replace Avaya/Blackbox with Cisco VOIP system.
- New handsets districtwide
- Ability to add or change line information quickly
- Total Cost: \$410,000 (Ed-tech Bond funds)
- Implementation Timeline: November 2017 - May 2018



Integrated Clock / Speakers / Public Address (PA) System Upgrade

Product: Advanced Network Devices IPSWD-RWB

- ❑ Includes speakers, a display, and flashers to enhance emergency notification or special announcements.
- ❑ Installation Vendor: Development Group, Inc.
- ❑ Integrated with our Informacast System, utilizing centralized paging and online bell schedules.
- ❑ Total Cost: \$462,647 (Bond Funds - Safety and Security)
- ❑ Implementation Timeline: February 2019-April 2019



E-Rate Funding Update - Category 1

The Eligible Services List (ESL) for each funding year provides guidance on the eligibility of products and services under the Schools and Libraries Program.

Category One: Data Transmission Services and/or Internet Access

E-Rate Funding	2016-17	2017-18	2018-19
Committed	\$ 294,051	\$ 281,317	\$ 305,812
Disbursed	\$ 284,506	\$ 202,465	TBD



E-Rate Funding Update - Category 2

Category Two: Internal Connections (IC), Managed Internal Broadband Services (MIBS), and Basic Maintenance of Internal Connections (BMIC)

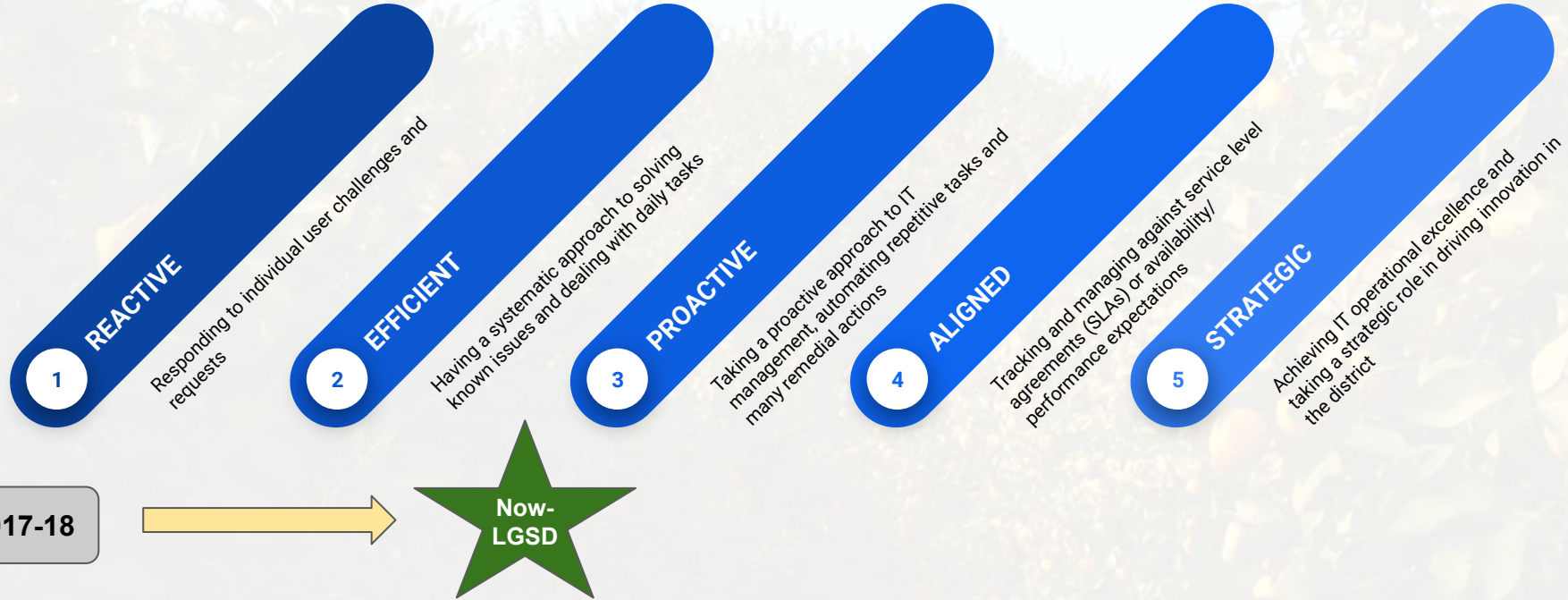
Lemon Grove School District										
Entity Number	Individual School Name	NIF	C2 Enrollment Y20/Y21	C2 Budget \$156.23/Student \$9,412.8 Floor	YR 18 (2015-2016) Pre-Discount Committed	YR 19 (2016-2017) Pre-Discount Committed	YR 20 (2017-2018) Pre-Discount Committed	YR 21 (2018-2019) Pre-Discount Committed	YR 22 (2019-2020) Pre-Discount Committed	Remaining Pre-Discount C2 Budget
103740	LEMON GROVE ACADEMY FOR THE SCIENCES AND HUMANITIES		1,141	\$178,258.43	\$ 42,147.69	\$ -	\$ -	\$ -	\$ -	\$136,110.74
103744	MONTEREY HEIGHTS ELEMENTARY SCHOOL		439	\$68,584.97	\$ -	\$ 60,034.01	\$ -	\$ -	\$ -	\$8,550.96
103742	MOUNT VERNON ELEMENTARY SCHOOL		567	\$88,582.41	\$ -	\$ 56,086.78	\$ -	\$ -	\$ -	\$32,495.63
103743	SAN ALTOS ELEMENTARY SCHOOL		425	\$66,397.75	\$ -	\$ 48,090.51	\$ -	\$ -	\$ -	\$18,307.24
103738	SAN MIGUEL ELEMENTARY SCHOOL		553	\$86,395.19	\$ -	\$ 46,114.58	\$ -	\$ -	\$ -	\$40,280.61
103722	VISTA LA MESA ACADEMY		686	\$107,173.78	\$ -	\$ 73,620.23	\$ -	\$ -	\$ -	\$33,553.55
16062759	LEMON GROVE DISTRICT OFFICE	Y	0	\$0.00	\$ -	\$ 61,522.16	\$ -	\$ -	\$ -	\$0.00
16078734	PALM ANNEX	Y	0	\$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.00
				\$ 595,392.53	\$ 42,147.69	\$ 345,468.27	\$ -	\$ -	\$ -	\$269,298.73

C2 E-rate Discount 80% enrollment dropped

*Budget numbers may be higher if FY 2017 equipment has been returned



IT Management Maturity Model



2017-18

Now-LGSD



Future Areas of Focus

- ❑ Completion of a new Technology Strategic Plan by August for Board Approval
- ❑ New Classroom Projection Device Pilot
- ❑ More options/tools for the teacher in controlling access to internet/electronic content within the classroom
- ❑ Evaluation / Evolution of Media Center Spaces
- ❑ Supporting teachers with integrating technology in their classroom