

YOUR REPORT ORDER

SCHOOL & LIBRARY SERIES

NAME OF SCHOOL OR LIBRARY

Palo Alto High School

REPORT DATE

06-03-2021

THIS REPORT INCLUDES

1. E-Rate Intelligence Report
 1. Recipient Information
 2. Funding Report
 3. Line Item Report
2. Billed Entity Intelligence Report
3. Broadband Intelligence Report



E-Rate Intelligence Report

SCHOOL & LIBRARY SERIES

PREPARED BY THE
TECHNOLOGY POLICY INSTITUTE
WASHINGTON, D.C.

The School & Library Series includes E-Rate Intelligence Reports showing E-Rate funds spent by each school, school district, library, library system, or consortium. For data on E-Rate funds by congressional district, please refer to the Congressional District Series. For information on E-Rate funds in a particular state, please refer to our quarterly E-Rate Databook, which compiles E-Rate Intelligence Reports from all congressional districts in each state. The State Legislature Series includes E-Rate Intelligence Reports that aggregate E-Rate funds by state legislative districts.

TECHNOLOGY POLICY INSTITUTE

E-Rate Intelligence Report

SCHOOL & LIBRARY SERIES

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TECHNOLOGY POLICY INSTITUTE
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TPI REPORTS

ABOUT THE INTELLIGENCE REPORT

SCHOOL & LIBRARY SERIES

Based on our own research and experience we know that gathering current and historical E-Rate data for specific schools and libraries or aggregated up to congressional districts or states can be time consuming. TPI Reports does this for you, providing easy-to-read reports showing E-Rate funds over time and by vendor and category of spending, always based on the most recent data available from the Universal Services Administrative Company. These reports will be useful to a variety of professionals:

E-Rate Administrators. Consider attaching these scorecards to your internal and external reports and applications. Compare the funding commitments and vendor contracts of your school or school district with those of neighboring school or congressional districts.

Policymakers and Legislative Staffers. Quickly understand the status and details of E-Rate funding in your district.

E-Rate Service Providers. Compare your service offerings with other providers. Use the data to research competitive offerings of broadband speeds, prices, and equipment.

The School & Library Series of E-Rate Intelligence Reports include current and historical funds distributed to each school district, types of expenditures by the school districts, payments by school districts to E-Rate vendors, the types of services provided by the vendors, and more. We include a Billed Entity Report that provides aggregate data for all funds spent by the billed entity associated with the recipient school or library. In some cases, a particular school or library is listed in different billed entities over time. A Broadband Intelligence Report is also included to provide context on broadband access and availability for households near the recipient institution. We also include a Glossary, which explains the methodology and data sources we use to create these reports. Aggregating data at geographic levels and time periods involves some care, and we document our approach in this section.

Data is available in tables and time series charts. Charts include historic data since 1998 by funding category, service provider, and other changes in upload and download speeds offered over time.



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SECTION

E-Rate Intellegence Report



Entity Type: School
Is Library: No
Tribal Type: -
Subtype: Public School
Status: Active
Latitude: 37.4357409
Longitude: -122.1556904
Square Footage: -

Palo Alto High School
50 Embarcadero Rd
Palo Alto, CA, 94301-2321

BILLING

Billed Entity Number: 17004711
Billed Entity: Santa Clara County E-Rate Consortium
Entity Type: Consortium
Organization Address
1290 Ridder Park Drive
San Jose, CA 95131
Org. District: Congressional District 17

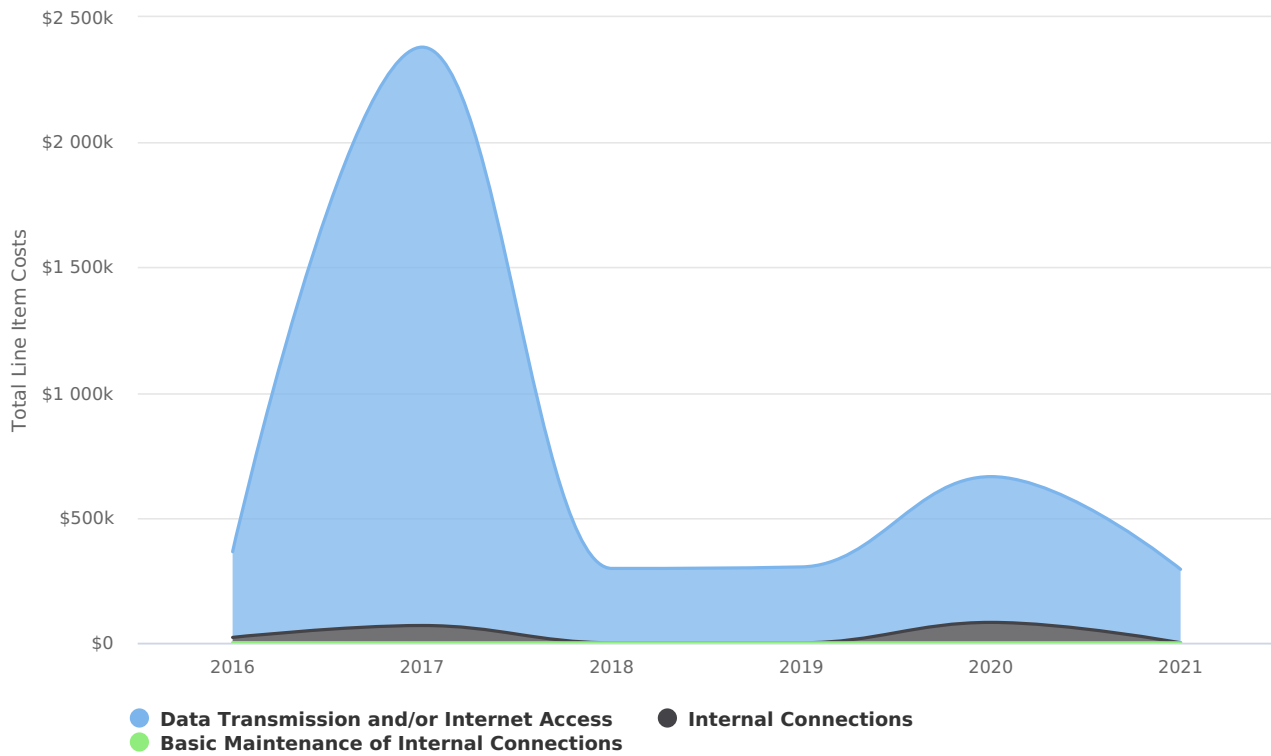
E-RATE DETAILS

Entity Number: 108379
Entity District: Congressional District 18
Urban/Rural Status: Urban
County: Santa Clara

SCHOOL INFORMATION

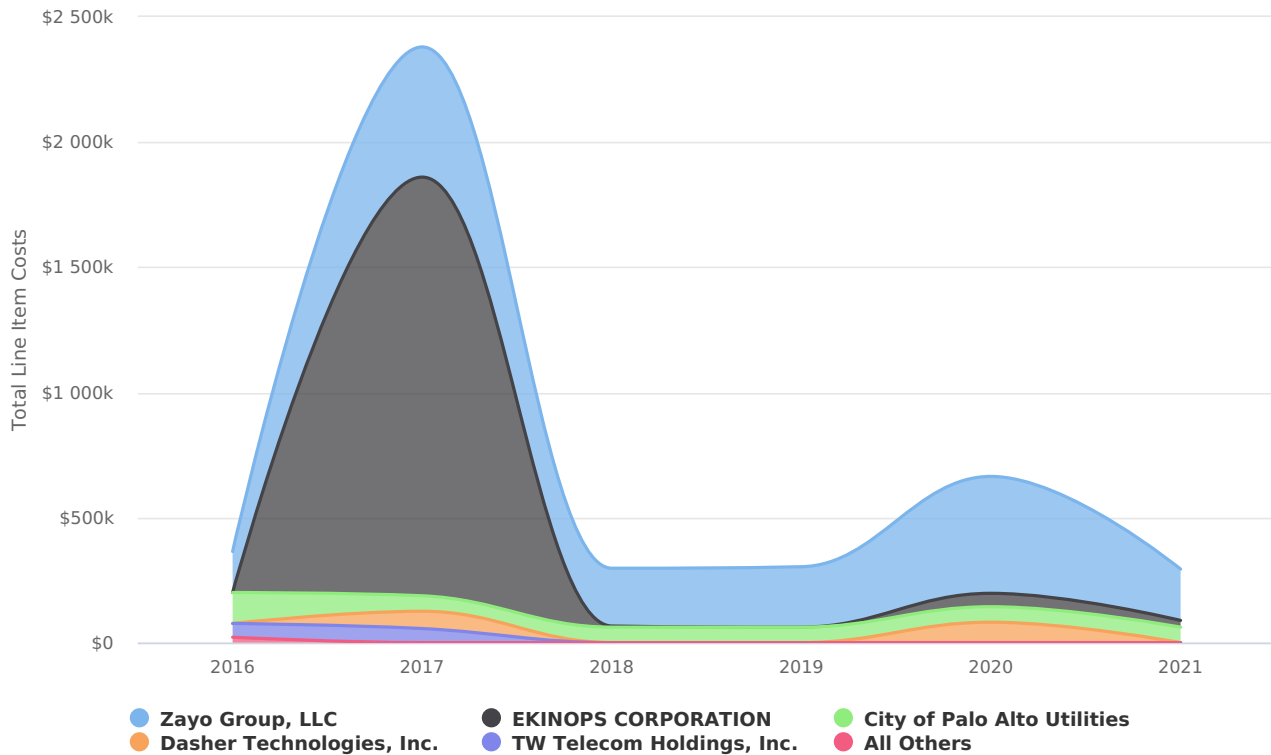
Full-Time Students: 2182
Part-Time Students: 0
Peak-Number Part-Time: 0
NSLP Students: 176
Discount Rate: 0.56

Funding by Category of Service



Highcharts.com

Funding by E-Rate Service Provider



Highcharts.com



Number of Providers
Number of Billed Entities

2020	2019	2018	2017	2016
4	2	3	5	4
2	2	2	2	2

Income-Based Discount Rate Calculation
Average Discount Rate (%)

2020	2019	2018	2017	2016	Total
42	51	53	45	56	47

E-Rate Funds Summary

Data Transmission and/or Internet Access
Internal Connections
Basic Maintenance of Internal Connections
Total

2020	2019	2018	2017	2016	Total
\$293,527	\$303,223	\$297,266	\$942,653	\$280,724	\$2,117,394
\$81,578	\$0	\$0	\$69,141	\$21,021	\$171,740
\$0	\$0	\$0	\$0	\$518	\$518
\$375,105	\$303,223	\$297,266	\$1,011,794	\$302,263	\$2,289,652

E-Rate Funds By Service Provider

Zayo Group, LLC
EKINOPS CORPORATION
City of Palo Alto Utilities
Dasher Technologies, Inc.
TW Telecom Holdings, Inc.
Dimension Data North America, Inc.
Total

2020	2019	2018	2017	2016	Total
\$204,960	\$241,462	\$231,047	\$233,654	\$163,968	\$1,075,091
\$26,806	\$0	\$4,459	\$591,072	\$0	\$622,337
\$61,761	\$61,761	\$61,761	\$61,761	\$61,761	\$308,805
\$81,578	\$0	\$0	\$69,141	\$0	\$150,719
\$0	\$0	\$0	\$56,165	\$54,995	\$111,160
\$0	\$0	\$0	\$0	\$21,539	\$21,539
\$375,105	\$303,223	\$297,267	\$1,011,793	\$302,263	\$2,289,651

E-Rate Funds by Product Name

Dark Fiber (No Special Construction)
None
Ethernet
Switch
Switched Multimegabit Data Service
Taxes and USF Fees
Access Point
Maintenance and Technical Support
Installation, Activation, & Initial Configuration
Wireless Controller
Module
Fees, Taxes, etc.
Operating System Software of Eligible Equipment
Antenna
Cabling
Racks & Cabinets
Total

2020	2019	2018	2017	2016	Total
\$266,721	\$270,381	\$270,381	\$295,415	\$163,968	\$1,266,866
\$0	\$0	\$4,459	\$591,072	\$518	\$596,049
\$0	\$0	\$0	\$56,165	\$54,995	\$111,160
\$51,655	\$0	\$0	\$0	\$21,021	\$72,676
\$0	\$0	\$0	\$0	\$61,761	\$61,761
\$0	\$32,842	\$22,427	\$0	\$0	\$55,269
\$0	\$0	\$0	\$29,566	\$0	\$29,566
\$26,806	\$0	\$0	\$0	\$0	\$26,806
\$9,698	\$0	\$0	\$14,303	\$0	\$24,002
\$0	\$0	\$0	\$20,502	\$0	\$20,502
\$12,759	\$0	\$0	\$0	\$0	\$12,759
\$7,104	\$0	\$0	\$0	\$0	\$7,104
\$0	\$0	\$0	\$3,251	\$0	\$3,251
\$0	\$0	\$0	\$1,519	\$0	\$1,519
\$354	\$0	\$0	\$0	\$0	\$354
\$8	\$0	\$0	\$0	\$0	\$8
\$375,105	\$303,223	\$297,267	\$1,011,793	\$302,263	\$2,289,652

Average Download Speed (Mbps)

Internal Connections

Data Transmission and/or Internet Access

Basic Maintenance of Internal Connections

2020	2019	2018	2017	2016
NA	NA	NA	NA	NA
70,000	70,000	70,000	40,000	37,000
NA	NA	NA	NA	NA

Average Upload Speed (Mbps)

Internal Connections

Data Transmission and/or Internet Access

Basic Maintenance of Internal Connections

2020	2019	2018	2017	2016
NA	NA	NA	NA	NA
70,000	70,000	70,000	40,000	37,000
NA	NA	NA	NA	NA

Row Number	Funding Year	Total Costs	Subsidy	Vendor Name	Product Name	Function Name	Upload Speed	Speed Unit	Download Speed	Speed Unit	Discount Rate
1	2016	\$20,346	\$11,801	Dimension Data North America, Inc.	Switch	Data Distribution	-	-	-	-	0.58
2	2016	\$13,531	\$7,848	Dimension Data North America, Inc.	Switch	Data Distribution	-	-	-	-	0.58
3	2016	\$2,366	\$1,372	Dimension Data North America, Inc.	Switch	Data Distribution	-	-	-	-	0.58
4	2016	\$0	\$441	Dimension Data North America, Inc.	-	Basic Maintenance of Internal Connections	-	-	-	-	0.58
5	2016	\$0	\$61,761	City of Palo Alto Utilities	Dark Fiber (No Special Construction)	Fiber	1	Gbps	1	Gbps	0.4
6	2016	\$0	\$61,761	City of Palo Alto Utilities	Switched Multimegabit Data Service	Fiber	1	Gbps	1	Gbps	0.4
7	2016	\$0	\$163,968	Zayo Group, LLC	Dark Fiber (No Special Construction)	Fiber	100	Gbps	100	Gbps	0.6
8	2016	\$0	\$54,995	TW Telecom Holdings, Inc.	Ethernet	Fiber	10	Gbps	10	Gbps	0.58
9	2016	\$0	\$77	Dimension Data North America, Inc.	-	Basic Maintenance of Internal Connections	-	-	-	-	0.58
10	2017	\$327,995	\$186,957	EKINOPS CORPORATION	-	Other	-	-	-	-	0.57
11	2017	\$300,224	\$171,128	EKINOPS CORPORATION	-	Other	-	-	-	-	0.57
12	2017	\$300,224	\$171,128	EKINOPS CORPORATION	-	Other	-	-	-	-	0.57
13	2017	\$196,650	\$112,090	EKINOPS CORPORATION	-	Other	-	-	-	-	0.57
14	2017	\$196,650	\$112,090	EKINOPS CORPORATION	-	Other	-	-	-	-	0.57
15	2017	\$183,291	\$104,476	EKINOPS CORPORATION	-	Other	-	-	-	-	0.57
16	2017	\$180,000	\$102,600	EKINOPS CORPORATION	-	Other	-	-	-	-	0.57
17	2017	\$180,000	\$102,600	EKINOPS CORPORATION	-	Other	-	-	-	-	0.57
18	2017	\$180,000	\$102,600	EKINOPS CORPORATION	-	Other	-	-	-	-	0.57
19	2017	\$180,000	\$102,600	EKINOPS CORPORATION	-	Other	-	-	-	-	0.57
20	2017	\$167,772	\$95,630	EKINOPS CORPORATION	-	Other	-	-	-	-	0.57
21	2017	\$167,772	\$95,630	EKINOPS CORPORATION	-	Other	-	-	-	-	0.57
22	2017	\$59,436	\$33,879	EKINOPS CORPORATION	-	Other	-	-	-	-	0.57
23	2017	\$57,761	\$23,104	Dasher Technologies, Inc.	Access Point	Wireless Data Distribution	-	-	-	-	0.4
24	2017	\$57,643	\$32,856	EKINOPS CORPORATION	-	Other	-	-	-	-	0.57
25	2017	\$54,404	\$31,010	EKINOPS CORPORATION	-	Other	-	-	-	-	0.57
26	2017	\$54,404	\$31,010	EKINOPS CORPORATION	-	Other	-	-	-	-	0.57
27	2017	\$52,762	\$30,074	EKINOPS CORPORATION	-	Other	-	-	-	-	0.57
28	2017	\$52,762	\$30,074	EKINOPS CORPORATION	-	Other	-	-	-	-	0.57
29	2017	\$34,226	\$13,691	Dasher Technologies, Inc.	Installation, Activation, & Initial Configuration	Miscellaneous	-	-	-	-	0.4
30	2017	\$21,850	\$8,740	Dasher Technologies, Inc.	Wireless Controller	Wireless Data Distribution	-	-	-	-	0.4
31	2017	\$16,155	\$6,462	Dasher Technologies, Inc.	Access Point	Wireless Data Distribution	-	-	-	-	0.4
32	2017	\$15,304	\$8,723	EKINOPS CORPORATION	-	Other	-	-	-	-	0.57
33	2017	\$14,008	\$7,985	EKINOPS CORPORATION	-	Other	-	-	-	-	0.57
34	2017	\$14,008	\$7,985	EKINOPS CORPORATION	-	Other	-	-	-	-	0.57
35	2017	\$14,008	\$5,603	Dasher Technologies, Inc.	Wireless Controller	Wireless Data Distribution	-	-	-	-	0.4
36	2017	\$8,127	\$3,251	Dasher Technologies, Inc.	Operating System Software of Eligible Equipment	Software	-	-	-	-	0.4
37	2017	\$6,697	\$2,679	Dasher Technologies, Inc.	Wireless Controller	Wireless Data Distribution	-	-	-	-	0.4
38	2017	\$4,886	\$1,955	Dasher Technologies, Inc.	Wireless Controller	Wireless Data Distribution	-	-	-	-	0.4
39	2017	\$2,148	\$859	Dasher Technologies, Inc.	Wireless Controller	Wireless Data Distribution	-	-	-	-	0.4

40	2017	\$1,898	\$759	Dasher Technologies, Inc.	Antenna	Wireless Data Distribution	-	-	0.4		
41	2017	\$1,898	\$759	Dasher Technologies, Inc.	Antenna	Wireless Data Distribution	-	-	0.4		
42	2017	\$1,662	\$665	Dasher Technologies, Inc.	Wireless Controller	Wireless Data Distribution	-	-	0.4		
43	2017	\$844	\$338	Dasher Technologies, Inc.	Installation, Activation, & Initial Configuration	Miscellaneous	-	-	0.4		
44	2017	\$183	\$73	Dasher Technologies, Inc.	Installation, Activation, & Initial Configuration	Miscellaneous	-	-	0.4		
45	2017	\$183	\$73	Dasher Technologies, Inc.	Installation, Activation, & Initial Configuration	Miscellaneous	-	-	0.4		
46	2017	\$147	\$59	Dasher Technologies, Inc.	Installation, Activation, & Initial Configuration	Miscellaneous	-	-	0.4		
47	2017	\$117	\$47	Dasher Technologies, Inc.	Installation, Activation, & Initial Configuration	Miscellaneous	-	-	0.4		
48	2017	\$57	\$23	Dasher Technologies, Inc.	Installation, Activation, & Initial Configuration	Miscellaneous	-	-	0.4		
49	2017	\$3	\$1	Dasher Technologies, Inc.	Wireless Controller	Wireless Data Distribution	-	-	0.4		
50	2017	\$1	\$1	Dasher Technologies, Inc.	Wireless Controller	Wireless Data Distribution	-	-	0.4		
51	2017	\$0	\$155,770	Zayo Group, LLC	Dark Fiber (No Special Construction)	Fiber	100	Gbps	100	Gbps	0.57
52	2017	\$0	\$56,165	TW Telecom Holdings, Inc.	Ethernet	Fiber	10	Gbps	10	Gbps	0.57
53	2017	\$0	\$233,654	Zayo Group, LLC	Dark Fiber (No Special Construction)	Fiber	100	Gbps	100	Gbps	0.57
54	2017	\$0	\$61,761	City of Palo Alto Utilities	Dark Fiber (No Special Construction)	Fiber	10	Gbps	10	Gbps	0.4
55	2017	\$0	\$130,758	Zayo Group, LLC	Dark Fiber (No Special Construction)	Fiber	100	Gbps	100	Gbps	0.57
56	2018	\$0	\$208,620	Zayo Group, LLC	Dark Fiber (No Special Construction)	Fiber	100	Gbps	100	Gbps	0.57
57	2018	\$0	\$22,427	Zayo Group, LLC	Taxes and USF Fees	Miscellaneous	100	Gbps	100	Gbps	0.57
58	2018	\$0	\$61,761	City of Palo Alto Utilities	Dark Fiber (No Special Construction)	Fiber	10	Gbps	10	Gbps	0.4
59	2018	\$0	\$4,459	EKINOPS CORPORATION	-	Fiber Maintenance & Operations	-	-	-	-	0.57
60	2019	\$0	\$61,761	City of Palo Alto Utilities	Dark Fiber (No Special Construction)	Fiber	10	Gbps	10	Gbps	0.4
61	2019	\$0	\$208,620	Zayo Group, LLC	Dark Fiber (No Special Construction)	Fiber	100	Gbps	100	Gbps	0.57
62	2019	\$0	\$32,842	Zayo Group, LLC	Taxes and USF Fees	Miscellaneous	100	Gbps	100	Gbps	0.57
63	2020	\$107,803	\$43,121	Dasher Technologies, Inc.	Switch	Data Distribution	-	-	-	-	0.4
64	2020	\$31,898	\$12,759	Dasher Technologies, Inc.	Module	Module	-	-	-	-	0.4
65	2020	\$20,425	\$8,170	Dasher Technologies, Inc.	Installation, Activation, & Initial Configuration	Miscellaneous	-	-	-	-	0.4
66	2020	\$17,761	\$7,104	Dasher Technologies, Inc.	Fees, Taxes, etc.	Miscellaneous	-	-	-	-	0.4
67	2020	\$13,808	\$5,523	Dasher Technologies, Inc.	Switch	Data Distribution	-	-	-	-	0.4
68	2020	\$7,527	\$3,011	Dasher Technologies, Inc.	Switch	Data Distribution	-	-	-	-	0.4
69	2020	\$3,072	\$1,229	Dasher Technologies, Inc.	Installation, Activation, & Initial Configuration	Miscellaneous	-	-	-	-	0.4
70	2020	\$748	\$299	Dasher Technologies, Inc.	Installation, Activation, & Initial Configuration	Miscellaneous	-	-	-	-	0.4
71	2020	\$510	\$204	Dasher Technologies, Inc.	Cabling	Cabling/Connectors	-	-	-	-	0.4
72	2020	\$343	\$137	Dasher Technologies, Inc.	Cabling	Cabling/Connectors	-	-	-	-	0.4
73	2020	\$31	\$12	Dasher Technologies, Inc.	Cabling	Cabling/Connectors	-	-	-	-	0.4
74	2020	\$19	\$8	Dasher Technologies, Inc.	Racks & Cabinets	Racks	-	-	-	-	0.4
75	2020	\$0	\$238,042	Zayo Group, LLC	Dark Fiber (No Special Construction)	Fiber	100	Gbps	100	Gbps	0.56
76	2020	\$0	\$24,088	Zayo Group, LLC	Taxes and USF Fees	Miscellaneous	100	Gbps	100	Gbps	0.56
77	2020	\$0	\$26,806	EKINOPS CORPORATION	Maintenance and Technical Support	Miscellaneous	100	Gbps	100	Gbps	0.56

78	2020	\$0	\$26,806	EKINOPS CORPORATION	Maintenance and Technical Support	Miscellaneous	100	Gbps	100	Gbps	0.56
79	2020	\$0	\$61,761	City of Palo Alto Utilities	Dark Fiber (No Special Construction)	Fiber	10	Gbps	10	Gbps	0.4
80	2020	\$0	\$204,960	Zayo Group, LLC	Dark Fiber (No Special Construction)	Fiber	100	Gbps	100	Gbps	0.56
81	2021	\$0	\$204,960	Zayo Group, LLC	Dark Fiber (No Special Construction)	Fiber	100	Gbps	100	Gbps	0.56
82	2021	\$0	\$26,879	EKINOPS CORPORATION	Maintenance and Technical Support	Miscellaneous	100	Gbps	100	Gbps	0.56
83	2021	\$0	\$61,761	City of Palo Alto Utilities	Dark Fiber (No Special Construction)	Fiber	10	Gbps	10	Gbps	0.4

NAME OF SCHOOL OR LIBRARY

Palo Alto High School

REPORT DATE

06-03-2021

SECTION

Billed Entity Intellegence Report

Total E-Rate Subsidies
Average Discount Rate
Number of Recipients
Number of Service Providers

2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
\$102,230	\$72,876	\$61,760	\$333,720	\$61,760	\$77,040	\$125,036	\$192,416	\$222,115	\$138,088
40.0	40.0	40.0	40.0	40.0	23.0	40.0	40.0	40.0	40.0
19	19	19	19	19	None	None	None	None	None
3	2	1	2	1	None	None	None	None	None

Total E-Rate Subsidies By E-Rate Service Type

Telecomm Services
Data Transmission and/or Internet Access
Voice
Internal Connections

2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
\$0	\$0	\$0	\$0	\$0	\$0	\$69,036	\$127,625	\$158,333	\$128,138
\$0	\$72,876	\$61,760	\$61,760	\$61,760	\$53,770	\$55,999	\$64,790	\$63,782	\$9,950
\$0	\$0	\$0	\$0	\$0	\$23,270	\$0	\$0	\$0	\$0
\$102,230	\$0	\$0	\$271,960	\$0	\$0	\$0	\$0	\$0	\$0

Total E-Rate Subsidies for top 10 Recipients

Palo Alto Unified School District Office
Terman Middle School
Duveneck Elementary School
Barron Park Elementary School
Addison Elementary School
Fairmeadow Elementary School
Palo Alto High School
Walter Hays Elementary School
Palo Verde Elementary School
El Carmelo Elementary School

2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
\$35,400	\$35,623	\$495	\$495	\$495	\$0	\$0	\$0	\$0	\$0
\$80,460	\$495	\$495	\$93,886	\$495	\$0	\$0	\$0	\$0	\$0
\$49,598	\$495	\$495	\$73,266	\$495	\$0	\$0	\$0	\$0	\$0
\$27,909	\$495	\$495	\$69,806	\$495	\$0	\$0	\$0	\$0	\$0
\$52,125	\$495	\$495	\$68,646	\$495	\$0	\$0	\$0	\$0	\$0
\$58,780	\$495	\$495	\$76,139	\$495	\$0	\$0	\$0	\$0	\$0
\$204,441	\$495	\$495	\$173,347	\$495	\$0	\$0	\$0	\$0	\$0
\$31,736	\$495	\$495	\$72,701	\$495	\$0	\$0	\$0	\$0	\$0
\$43,096	\$495	\$495	\$69,233	\$495	\$0	\$0	\$0	\$0	\$0
\$39,173	\$495	\$495	\$69,226	\$495	\$0	\$0	\$0	\$0	\$0

Total E-Rate Subsidies By E-Rate Service Provider (Top 10)

City of Palo Alto Utilities
Zayo Group, LLC

2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
\$0	\$61,760	\$61,760	\$61,760	\$61,760	\$53,770	\$53,770	\$12,436	\$8,678	\$8,678
\$0	\$11,116	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Average Speed for Top 10 E-Rate Recipients

Palo Alto Unified School District Office
 Terman Middle School
 Duveneck Elementary School
 Barron Park Elementary School
 Addison Elementary School
 Fairmeadow Elementary School
 Palo Alto High School
 Walter Hays Elementary School
 Palo Verde Elementary School
 El Carmelo Elementary School

Average Download Speed (Mbps)					Average Upload Speed (Mbps)				
2020	2019	2018	2017	2016	2020	2019	2018	2017	2016
10000	10000	10000	10000	1000	10000	10000	10000	10000	1000
10000	10000	10000	10000	1000	10000	10000	10000	10000	1000
10000	10000	10000	10000	1000	10000	10000	10000	10000	1000
10000	10000	10000	10000	1000	10000	10000	10000	10000	1000
10000	10000	10000	10000	1000	10000	10000	10000	10000	1000
10000	10000	10000	10000	1000	10000	10000	10000	10000	1000
10000	10000	10000	10000	1000	10000	10000	10000	10000	1000
10000	10000	10000	10000	1000	10000	10000	10000	10000	1000
10000	10000	10000	10000	1000	10000	10000	10000	10000	1000
10000	10000	10000	10000	1000	10000	10000	10000	10000	1000

Average Speed By Top 10 E-Rate Service Providers

City of Palo Alto Utilities
 Zayo Group, LLC

Average Download Speed (Mbps)					Average Upload Speed (Mbps)				
2020	2019	2018	2017	2016	2020	2019	2018	2017	2016
NA	10000	10000	10000	1000	NA	10000	10000	10000	1000
NA	10000	NA	NA	NA	NA	10000	NA	NA	NA



E-Rate Scorecard 2021
Technology Policy Institute

Santa Clara County E-Rate Consortium
Created: 06/03/21

Total E-Rate Subsidies
Average Discount Rate
Number of Recipients
Number of Service Providers

2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
\$0	\$174,971	\$111,110	\$666,333	\$53,127	\$0	\$0	\$0	\$0	\$0
	57.0	57.0	57.0	58.0					
	416	424	443	543					
	1	2	4	4					

Total E-Rate Subsidies By E-Rate Service Type

Data Transmission and/or Internet Access

2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
\$0	\$174,971	\$111,110	\$666,333	\$53,127	\$0	\$0	\$0	\$0	\$0

Total E-Rate Subsidies for top 10 Recipients

Paradise Valley School
Del Roble Elementary School
Canoas Elementary
Empire Gardens Elem School
Cassell Elementary School
Chandler Tripp Head Start
Mathson Middle School
Frost Elementary School
Santa Teresa Elementary School
Cherry Chase Elementary School

2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
\$413,868	\$423,618	\$436,635	\$1,545,424	\$132,848	\$0	\$0	\$0	\$0	\$0
\$413,868	\$423,618	\$436,635	\$1,585,626	\$542,768	\$0	\$0	\$0	\$0	\$0
\$413,868	\$423,618	\$436,635	\$1,545,424	\$542,768	\$0	\$0	\$0	\$0	\$0
\$413,868	\$423,618	\$436,635	\$1,545,424	\$542,768	\$0	\$0	\$0	\$0	\$0
\$413,868	\$423,618	\$436,635	\$1,545,424	\$542,768	\$0	\$0	\$0	\$0	\$0
\$413,868	\$423,618	\$436,635	\$1,545,424	\$579,976	\$0	\$0	\$0	\$0	\$0
\$413,868	\$423,618	\$436,635	\$1,545,424	\$542,768	\$0	\$0	\$0	\$0	\$0
\$413,868	\$423,618	\$436,635	\$1,585,626	\$542,768	\$0	\$0	\$0	\$0	\$0
\$413,868	\$423,618	\$436,635	\$1,585,626	\$542,768	\$0	\$0	\$0	\$0	\$0
\$413,868	\$423,618	\$436,635	\$1,585,626	\$542,768	\$0	\$0	\$0	\$0	\$0

Total E-Rate Subsidies By E-Rate Service Provider (Top 10)

Zayo Group, LLC

2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
\$0	\$174,971	\$111,110	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Average Speed for Top 10 E-Rate Recipients

Paradise Valley School
 Del Roble Elementary School
 Canoas Elementary
 Empire Gardens Elem School
 Cassell Elementary School
 Chandler Tripp Head Start
 Mathson Middle School
 Frost Elementary School
 Santa Teresa Elementary School
 Cherry Chase Elementary School

Average Download Speed (Mbps)					Average Upload Speed (Mbps)				
2020	2019	2018	2017	2016	2020	2019	2018	2017	2016
100000	100000	100000	77500	10000	100000	100000	100000	77500	10000
100000	100000	100000	64000	55000	100000	100000	100000	64000	55000
100000	100000	100000	77500	55000	100000	100000	100000	77500	55000
100000	100000	100000	77500	55000	100000	100000	100000	77500	55000
100000	100000	100000	77500	55000	100000	100000	100000	77500	55000
100000	100000	100000	77500	40000	100000	100000	100000	77500	40000
100000	100000	100000	77500	55000	100000	100000	100000	77500	55000
100000	100000	100000	64000	55000	100000	100000	100000	64000	55000
100000	100000	100000	64000	55000	100000	100000	100000	64000	55000
100000	100000	100000	64000	55000	100000	100000	100000	64000	55000

Average Speed By Top 10 E-Rate Service Providers

Zayo Group, LLC

Average Download Speed (Mbps)					Average Upload Speed (Mbps)				
2020	2019	2018	2017	2016	2020	2019	2018	2017	2016
NA	100000	100000	NA	NA	NA	100000	100000	NA	NA

NAME OF SCHOOL OR LIBRARY

Palo Alto High School

REPORT DATE

06-03-2021

SECTION

Broadband Intelligence Report

Consumer Download (Mbps)
Consumer Upload (Mbps)
Consumer Download (Mbps) - State Average
Consumer Upload (Mbps) - State Average
Consumer Download (Mbps) - National Average
Consumer Upload (Mbps) - National Average

Dec. 2019	June 2019	Dec. 2018	June 2018	Dec. 2017	June 2017	Dec. 2016	June 2016	Dec. 2015
930	929	975	966	965	911	319	251	236
418	417	600	326	275	179	146	46	59
914	909	864	767	581	499	290	247	224
267	256	253	190	161	99	65	44	41
864	856	818	740	611	519	403	233	204
342	326	302	266	234	216	188	94	85

Percent of Households that are Internet Subscribers
Percent of Households that are Non-Dialup Internet Subscribers
Percent of Households that are Non-Dialup, Non-Mobile Internet Subscribers
Percent of Households that are Non-Dialup, Non-Mobile, Non-Satellite Internet Subscribers
Percent of Households that are Fixed Broadband Subscribers

Percent of Households under \$20000 that are Broadband Subscribers
Percent of Households between \$20000 and \$75000 that are Broadband Subscribers
Percent of Households over \$75000 that are Broadband Subscribers

2019	2017	2016
94%	92%	91%
94%	92%	91%
88%	86%	85%
83%	81%	80%
86%	84%	83%
77%	68%	66%
84%	85%	82%
97%	96%	98%

Percent of households in district covered at

25 Mbps download/3 Mbps upload
10 Mbps download/1 Mbps upload
250 Mbps download/30 Mbps upload
100 Mbps download/100 Mbps upload

Dec. 2019	June 2019	Dec. 2018	June 2018	Dec. 2017	June 2017	Dec. 2016	June 2016	Dec. 2015
100%	100%	100%	100%	100%	100%	100%	100%	100%
100%	100%	100%	100%	100%	100%	100%	100%	100%
96%	96%	99%	96%	96%	90%	64%	84%	81%
83%	83%	100%	100%	100%	22%	11%	2%	33%

Demographic Information

Total Population
Households
Median Age
Median Income
Gini Index
On Food Stamps or Public Assistance
Number of Children
Median Rent
Percent Income Spent on Rent
Families with Young Children
Aggregate Travel Time to Work
Employed Population
Unemployed Population
Labor Force Population
Not in the Labor Force Population
Population Speaking Only English at Home
Population Speaking Spanish at Home
Population Speaking Spanish at Home with Low English

2018	2017	2016
750,295	742,728	739,012
270,798	269,056	268,446
40.0	39.8	40.2
\$141,661	\$134,077	\$125,790
0.50	0.49	0.50
1%	1%	1%
165,052	160,124	159,948
\$2,171	\$2,113	\$1,945
2,820%	2,820%	2,840%
6%	7%	7%
9,783,940	9,929,385	9,225,335
52%	52%	50%
2%	2%	2%
53%	54%	52%
27%	27%	28%
59%	59%	58%
11%	11%	12%
3%	4%	4%

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GLOSSARY

E-RATE INTELLIGENCE REPORT

Average Download and Upload Speeds. The scorecard includes data reported by E-Rate service providers to the Universal Service Administrative Company. Download and upload speeds are self-reported by providers in Form 471. The data is made available in the "E-rate Recipient Details And Commitments" open dataset.

Equipment Prices. The prices of equipment and services are posted for competitive bidding purposes. The data is available in the "E-rate Request for Discount on Services: FRN Status (FCC Form 471 and Related Information)" open dataset.

BROADBAND INTELLIGENCE REPORT

Consumer Download and Upload Speeds. The scorecard includes aggregate download and upload speed by congressional district. The source of the data is the FCC's Form 477 which includes self-reported data on maximum advertised speeds available by census block. See <https://www.fcc.gov/general/explanation-broadband-deployment-data>.

Broadband Subscribership. The scorecard includes adoption figures from the U.S. Census Bureau's Current Population Survey and American Community Survey which asks households about Internet use in the home. See <https://www.census.gov/content/dam/Census/library/publications/2018/acs/ACS-39.pdf>.

Demographics. The demographic data are sourced from the U.S. Census Bureau. We include relevant population characteristics as a reference point for comparing neighboring areas.

FEEDBACK? FEATURE REQUESTS?

We're continually improving our data services and would love to hear from you. We would be grateful for feedback and suggested feature requests to help you understand the E-Rate program. Contact us at soh@techpolicyinstitute.org. Follow us on Twitter! @techpolicyinst!

ABOUT THE PUBLISHER

The Technology Policy Institute is a think tank that focuses on the economics of innovation, technological change, and related regulation in the United States and around the world. We are a 501(c)(3) research and educational foundation. Our mission is to advance knowledge and inform policymakers by producing independent, rigorous research and by sponsoring educational programs and conferences on major issues affecting information technology and communications policy. Today's digital economy may be new, but the economic principles underlying it are not. First principles still matter in both developed and emerging economies. Thus, government should intervene in these dynamic markets only when markets fail and when proposed solutions will demonstrably improve society's well-being. New technologies can greatly improve standards of living around the globe, but policymakers must carefully consider how policies affect the development of those technologies. Our research will help inform those deliberations.