



**Federal Communications Commission  
Washington, D.C. 20554**

March 23, 2021

The Honorable Maria Cantwell  
Chair  
Committee on Commerce, Science, and Transportation  
United States Senate  
512 Dirksen Senate Office Building  
Washington, D.C. 20510

Dear Madam Chair:

Consistent with 47 U.S.C. § 309a, the Federal Communications Commission is submitting its Auction Expenditure Justification Report for Fiscal Year 2020. The Auction Expenditure Justification Report provides a statement of each expenditure made for the purposes of conducting competitive bidding as required by section 309(j). The attached report contains an overview of Fiscal Year 2020 auction expenditures including a detailed listing of acquisition expenditures by budget object classification code.

I appreciate the opportunity to provide this report to you. If you need additional information or would like to discuss this material in detail, please feel free to contact me at (202) 418-0817.

Sincerely,

A handwritten signature in blue ink, appearing to read "Mark Stephens".

Mark Stephens  
Managing Director

Enclosure

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# **Auction Expenditure Justification Report**

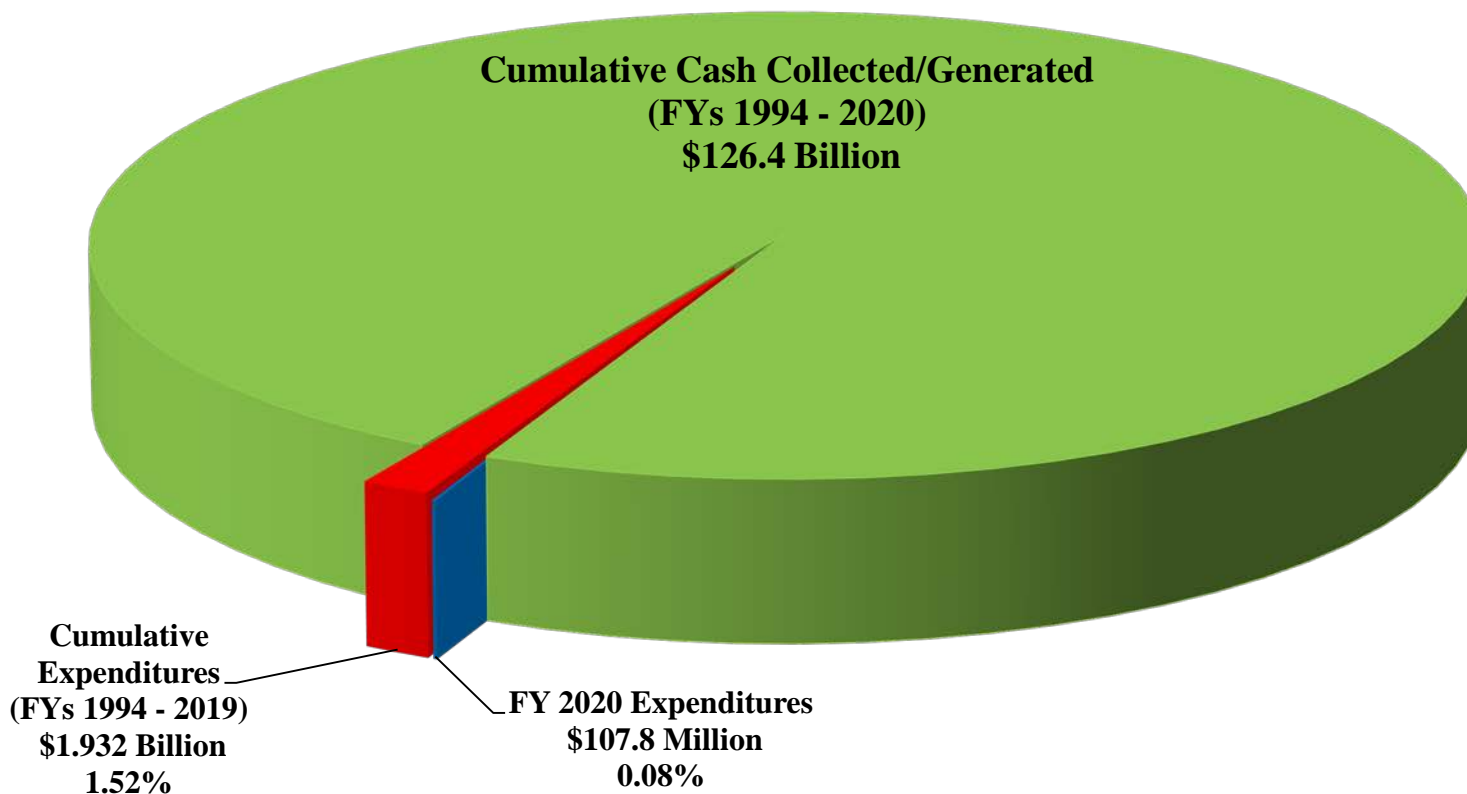
**Fiscal Year 2020**



# Spectrum Auctions Program

## Cash Collected/Generated & Expenditures

Fiscal Years 1994 – 2020



**Cash Collected/Generated** is the total net winning bids collected for broader government use. Over a 27-year period, the average cash collected/generated per year is \$4.7 Billion. **Cumulative Expenditures (FYs 1994 - 2019)** does not include administrative cost of the Spectrum Credit Reform Program.

# Spectrum Auctions Program Expenditures Report

## Fiscal Year 2020

### **Compensation: (1100 – 1300 Budget Object Class Code (BOCC) Series)**

- 1) Personnel Compensation
- 2) Personnel Benefits
- 3) Benefits for Former Personnel

### **Travel & Transportation of Persons: (2100 BOCC Series)**

- 1) Domestic Travel
- 2) Foreign Travel
- 3) Leased Passenger Vehicles

### **Transportation of Things: (2200 BOCC Series)**

- 1) Parcel Post
- 2) Non-Passenger GSA & Commercial Truck

### **Rent, Communications, Utilities, and Mail: (2300 BOCC Series)**

- 1) GSA Space Rent
- 2) Non-GSA Space Rent
- 3) Non-GSA Telephone/Fax
- 4) GSA Telephones
- 5) Mail Services – Postage
- 6) Gas/Electric/Other Utilities
- 7) Messenger Services
- 8) Other Equipment Rental
- 9) Copier Rental

### **Printing and Reproduction: (2400 BOCC Series)**

- 1) Printing/Reproduction
- 2) Printing/Binding/Federal Register

### **Other Contractual Services: (2500 BOCC Series)**

- 1) Contracts Services – Non-Federal
- 2) ADP\* Retrieval Service
- 3) Training/Tuition/Fees
- 4) Security Investigations – Federal
- 5) Interagency Contracts
- 6) Space Repair/Interior/Exterior
- 7) ADP\* Software Maintenance
- 8) ADP\* Equipment Maintenance
- 9) Repair Office Equipment/Furniture
- 10) ADP\* Service Contracts

### **Supplies and Materials: (2600 BOCC Series)**

- 1) Supplies & Materials
- 2) Periodicals & Subscriptions

### **Equipment: (3100 BOCC Series)**

- 1) Technical Equipment
- 2) ADP\* Equipment
- 3) ADP\* Software
- 4) Office Furniture/Equipment
- 5) Telecommunications Equipment
- 6) Books

# SPECTRUM AUCTIONS PROGRAM EXPENDITURES REPORT

## Fiscal Year 2020

Budget Object Class Code	Budget Object Class Code Description	Expenditures
11	Personnel Compensation	\$27,493,786
12	Personnel Benefits	8,913,198
13	Benefits for Former Personnel	8,400
21	Travel and Transportation of Persons	36,673
22	Transportation of Things	9,086
23	Rents, Communications, Utilities, and Mail	8,079,945
24	Printing and Reproduction	209,965
25	Other Contractual Services	62,159,552
26	Supplies and Materials	74,842
31	Equipment	776,963
	<b>TOTAL <sup>1</sup></b>	<b><u><u>\$107,762,409</u></u></b>

<sup>1</sup>Does not include obligations for Spectrum Credit Reform Program Administrative Costs to support loan activities. These activities are funded from the General Fund of Treasury as provided in the Credit Reform Act.

**SPECTRUM AUCTIONS PROGRAM EXPENDITURES REPORT - FISCAL YEAR 2020**

Document Number	BOCC	Description	Destination/Vendor	Amounts
		<b>Personnel Compensation</b>		
	<b>1100</b>	Personnel Compensation		\$27,493,786
	<b>11</b>	<b>Total Personnel Compensation</b>		<b>\$27,493,786</b>
		<b>Personnel Benefits</b>		
	<b>1200</b>	Personnel Benefits		\$8,913,198
	<b>12</b>	<b>Total Personnel Benefits</b>		<b>\$8,913,198</b>
		<b>Unemployment Compensation</b>		
	<b>1302</b>	Unemployment Compensation Benefits	U.S. Department of Labor	\$8,400
	<b>13</b>	<b>Total Benefits for Former Personnel</b>		<b>\$8,400</b>
		<b>Travel and Transportation of Persons</b>		
	<b>2100</b>	Attended Tribal Outreach/3GPP (1 trip/1 person)	Albuquerque, NM	\$3,125
	2100	Attended Tribal Priority Window Outreach (1 trip/1 person)	Albuquerque, NM	\$1,233
	2100	Attended Tribal Outreach (1 trip/1 person)	Anchorage, AK	\$2,268
	2100	Attended 2.5 GHz Event (1 trip/2 people)	Juneau, AK	\$3,760
	2100	Attended Tribal Outreach (1 trip/1 person)	Blue Lake, CA	\$2,085
	2100	Attended Montana Statewide Meeting (1 trip/1 person)	Bozeman, MT	\$1,060
	2100	Attended Tribal Outreach (1 trip/2 people)	Espanola, NM	\$4,427
	2100	Attended Meeting on the Auction 103 (1 trip/2 people)	Gettysburg, PA	\$184
	2100	Attended 5G Fund and Legal Staff Meeting (1 trip/1 person)	Leesburg, VA	\$445
	2100	Attended Tribal Outreach (1 trip/1 person)	Nashville, TN	\$540
	2100	Attended Smart Comm (1 trip/1 person)	New Brunswick, NJ	\$281
	2100	Attended 3GPP RAN Plenary Meeting (1 trip/1 person)	Newport Beach, CA	\$336
	2100	Attended 2.5 GHz Tribal Priority Window at Tribal Workshop (1 trip/1 person)	Oklahoma City, OK	\$911
	2100	Attended 3GPP RAN Meeting (1 trip/1 person)	Reno, NV	\$2,020
	2100	Attended SAFe Agile Methodology Training (1 trip/1 person)	Washington, DC	\$173
	2100	Attended 3.5 GHz Band Proceedings Meeting (1 trip/1 person)	Washington, DC	\$796
	2100	Attended Work on 5G Fund, CMR and BDR (3 trips/1 person)	Washington, DC	\$1,200
	2100	Attended C-Band Meeting (1 trip/1 person)	Washington, DC	\$1,362
	2100	Attended Power Auctions LLC Meeting (1 trip/1 person)	Washington, DC	\$1,500
	2100	Attended Auction Application Bizagi System Requirements Meeting (1 trip/1 person)	Washington, DC	\$326
		<b>Foreign Travel</b>		
	<b>2120</b>	Attended Radio Assembly, WRC-19, and CPM (1 trip/1 person)	Brussels, Belgium	\$707
	2120	Attended European Spectrum Management 5G Conference (1 trip/1 person)	Brussels, Belgium	\$1,549
	2120	Attended International Maritime Organization (IMO) (1 trip/2 people)	London, UK	\$6,385
	<b>21</b>	<b>Total Travel and Transportation of Persons</b>		<b>\$36,673</b>
		<b>Parcel Post</b>		
273FCC18G0012	2212	UPS Package Shipping Services	UPS	\$7,490
		<b>Non-Passenger GSA and Commercial Truck</b>		
MIA-2020-0010	2213	GSA Fleet Van Lease	GSA	\$1,596
	<b>22</b>	<b>Total Transportation of Things</b>		<b>\$9,086</b>
		<b>GSA Space Rent</b>		
MIA-2020-0003	2311	FY 2020 GSA Rent for Headquarters and Field Offices	GSA Office of Finance	\$6,174,502
		<b>Non-GSA Telephone/Fax</b>		
	<b>2331</b>			

**SPECTRUM AUCTIONS PROGRAM EXPENDITURES REPORT - FISCAL YEAR 2020**

Document Number	BOCC	Description	Destination/Vendor	Amounts
273FCC18F0137	2331	New Wireless Services Re-Compete	AT&T Mobile LLC	\$47,925
273FCC18F0154	2331	EB Verizon Wireless Services	Verizon Wireless	\$5,546
273FCC19F0027	2331	New Sprint Federal Relay Service (FRS)	Sprint	\$280
273FCC20P0039	2331	Executive Audio Conference Services	CenturyLink	\$1,378
273FCC20P0065	2331	e911 Location Mgmt Data PS/ALI Services	Intrado Life & Safety, Inc.	\$487
FCC16C0017	2331	Local Phone Service	CenturyLink	\$13,944
FCC16G0085	2331	Iridium Satellite Phone Service	Comsat, Inc.	\$541
FCC16P0123	2331	Globalstar Satellite Phone Service	Globalstar USA, LLC	\$1,905
FCC17G0096	2331	T-Mobile Wireless Service	T-Mobile USA, Inc	\$1,462
MIA-2019-0016	2331	DISA/EMSS Secure Satellite Phone Service for FY20	Defense Finance & Acctg Svc	\$3,408
MIA-2020-0004	2331	FEMA Site3 Telecom Services	Federal Emergency Management	\$19,532
MOA-2020-0002	2331	PTS - HQ Pay Phone Service	Pacific Telemanagement Services	\$105
	<b>2332</b>	<b>GSA Telephones</b>		
273FCC20F0091	2332	FCC Microwave Broadband Services	Keenlogic LLC	\$56,273
273FCC20F0164	2332	Local Telecommunications Services (LTS)	Mettel	\$36,553
273FCC20F0168	2332	Toll Free Services (TFS)	CenturyLink QGS	\$29,090
273FCC20F0170	2332	PSHSB WAN	Verizon Business Network Services LLC	\$13,390
273FCC20F0171	2332	Synchronized Optical Network Services (SONETS)	Verizon Business Network Services LLC	\$24,983
FCC11G0057	2332	MCI Voice/Data Telecommunications Services	MCI Communications Svcs, Inc.	\$8,502
FCC11G0059	2332	Network/AT&T Audio Conferencing Service	AT&T	\$30,816
FCC11G0061	2332	Network/CenturyLink Toll Free Service	CenturyLink	\$36,256
FCC14G0126	2332	Network Telecommunications Services for HFDF	Government Markets	\$7,497
FCC15G0062	2332	FCC WAN Telecommunications Services - Network	AT&T	\$1,236,935
FCC16G0150	2332	FCC-GB MTIPS	GSA Office of Finance	\$46,820
MIA-2020-0015	2332	GSA-TOPS Regional Phone Bills	GSA Office of Finance	\$75,180
MOA-2019-0007	2332	Comcast Internet Service	Comcast Cable Communications LLC	\$146
	<b>2333</b>	<b>Mail Service/Postage</b>		
MCA-2020-0042	2333	FCC Postage Stamps Columbia Lab	U.S. Bankcorp	\$43
MO-2020-0002	2333	Metered Mail Service for Headquarters Facility	USPS (Hasler)	\$3,500
MO-2020-0003	2333	Metered Mail Service for Gettysburg Facility	USPS (Neopost)	\$14,000
	<b>2335</b>	<b>Gas/Electric/Other Utilities</b>		
MIA-2020-0058	2335	RWA FY20 Preventative Maintenance Services	GSA Office of Finance	\$1,530
MO-2020-0007	2335	Utilities for Gettysburg Facility	MET-ED	\$117,040
MO-2020-0008	2335	Utilities for FCC's Garage	Potomac Electric Power Company	\$7,000
MO-2020-0039	2335	Utilities for Gettysburg Facility	Columbia Gas of Pen, Inc	\$6,600
	<b>2337</b>	<b>Messenger Services</b>		
FCC17G0035	2337	FCC HQ Courier Services	Washington Express LLC	\$235
	<b>2338</b>	<b>Other Equipment Rental</b>		
273FCC19P0029	2338	Mail Equipment Leasing	Neopost USA Inc.	\$50
FCC16G0125	2338	Mailroom Equipment Lease	Neopost Leasing	\$2,801
	<b>2340</b>	<b>Copier Rental</b>		
MIA-2020-0013	2340	Xerox Contract	Government Printing Office	\$53,690
	<b>23</b>	<b>Total Rents, Communications, Utilities, and Mail</b>		<b>\$8,079,945</b>

**SPECTRUM AUCTIONS PROGRAM EXPENDITURES REPORT - FISCAL YEAR 2020**

Document Number	BOCC	Description	Destination/Vendor	Amounts
	<b>2400</b>	<b>Printing/Reproduction</b>		
MIA-2020-0056	2400	Print Plant - GPO Printing Services	Government Printing Office	\$1,400
	<b>2412</b>	<b>Printing/Binding (Fed Reg/Pubs)</b>		
MIA-2020-0008	2412	Federal Register 2020	Government Printing Office	\$208,565
	<b>24</b>	<b>Total Printing and Reproduction</b>		<b>\$209,965</b>
	<b>2520</b>	<b>Contract Services - Non-Federal</b>		
	2520	Travel Administrative Fees	Various Employees	\$16
	2520	Prompt Payment Act-Interest	Various Vendors	\$7,841
	2520	Refunds	Various Vendors	(\$51,371)
273FCC18C0005	2520	Human Resources Support Services	BG Consulting Services LLC	\$93,800
273FCC18C0034	2520	Personnel Case Adjudications Tracking System	Chainbridge Solutions Incorporated	\$18,681
273FCC18F0155	2520	Re-compete for Retirement Benefits System Software	Economic Systems, Inc.	\$1,129
273FCC18G0011	2520	Licensing and Auction Customer Support Services	SP Systems, Inc.	\$702,158
273FCC18G0017	2520	Genesis Logical Follow-On Contract	CGI Federal Inc.	\$1,448,513
273FCC18P0126	2520	Cadapult FM Subscription	Cadapult, LTD.	\$1,017
273FCC19C0008	2520	Auction Bidding System	Power Auctions LLC	\$5,069,029
273FCC19C0009	2520	Facilities Management Contract	Hana Industries, Inc.	\$278,529
273FCC19F0005	2520	Uniformed Protective Force (UPF)	Omniplex World Services Corporation	\$547,585
273FCC19F0048	2520	Financial and Performance Reporting	Ernst & Young LLP	\$53,270
273FCC19F0095	2520	EAC Contractor Support	Censeo Consulting Group, Inc.	\$35,210
273FCC19P0019	2520	Fingerprint Machine Maintenance Renewal	Cross Match Technologies, Inc.	\$107
273FCC19P0020	2520	Media Monitoring Service	Synoptos Inc.	\$16,918
273FCC19P0030	2520	Automated Signature Machine	SIG Tech	\$140
273FCC20C0005	2520	Call Center Support Services	Halvik Corp	\$196,454
273FCC20F0005	2520	EEO Investigative Services - Martin Miser	Martin-Miser Associates, Inc.	\$560
273FCC20F0012	2520	EEO Investigative Services - Janver	Janver, Inc.	\$672
273FCC20F0013	2520	Program Manager	Federal Acquisition Strategies, LLC	\$200,477
273FCC20F0014	2520	Engineer Consultant	Federal Acquisition Strategies, LLC	\$218,400
273FCC20F0015	2520	Engineer Consultant	Federal Acquisition Strategies, LLC	\$131,779
273FCC20F0016	2520	AO Support - Staff Analyst II	Censeo Consulting Group, Inc.	\$16,453
273FCC20F0020	2520	Reader Support Services	Vital Signs, LLC	\$353
273FCC20F0033	2520	Senior IT Project Manager - Auction Support	Federal Acquisition Strategies, LLC	\$330,000
273FCC20F0048	2520	Incentive Auctions - Broadcaster Transition Study	RFK Engineering	\$415,122
273FCC20F0064	2520	EEO Counseling Services - ICRIS LLC	ICRIS, LLC	\$210
273FCC20F0069	2520	EEO Investigative Services - ICRIS LLC	ICRIS, LLC	\$743
273FCC20F0076	2520	Auction Bidding Assessment	Censeo Consulting Group, Inc.	\$99,492
273FCC20F0077	2520	Shredder Support Services	Coast2Coast Shredding LLC	\$3,734
273FCC20F0080	2520	EEO Martin Miser BPA	Martin-Miser Associates, Inc.	\$500
273FCC20F0084	2520	AO Support - Staff Analyst II	Censeo Consulting Group, Inc.	\$8,226
273FCC20F0086	2520	WebTA Service & Maintenance Agreement	Immixtechnology, Inc.	\$6,648
273FCC20F0097	2520	Library Support Services	ZAI	\$33,597
273FCC20F0101	2520	EEO Counseling Services - DSZ	DSZ	\$105
273FCC20F0104	2520	EEO Investigative Services - Janver	Janver, Inc	\$545
273FCC20F0123	2520	Auction System Testing	Technatomy Corporation	\$828,587
273FCC20F0136	2520	Emergency Notification System- FY 2020	Everbridge, Inc.	\$8,878
273FCC20F0145	2520	Financial Systems Support Services	NCI Information Systems, Inc.	\$190,832
273FCC20F0152	2520	FAS - TV Study - BPA Call	Federal Acquisition Strategies, LLC	\$151,969
273FCC20F0162	2520	EEO Services - Janver	Janver, Inc	\$490
273FCC20P0003	2520	Temporary Reader Services	Vital Signs, LLC	\$232
273FCC20P0078	2520	Senior Economic Advisor	Ridgemont Group	\$23,912
FCC15G0038	2520	Library Support Services	ZAI	\$2,787
FCC15G0093	2520	FCC Emergency Mass Notification System	Send Word Now	\$2,204
FCC15G0118	2520	Financial Systems Support Services	NCI Information Systems, Inc.	\$596,537



**SPECTRUM AUCTIONS PROGRAM EXPENDITURES REPORT - FISCAL YEAR 2020**

Document Number	BOCC	Description	Destination/Vendor	Amounts
FCC16G0017	2520	E-Gov Travel Management Services 2 (ETS2)	CWTSatoTravel	\$101,057
FCC17C0011	2520	TV Eyes Video Monitoring	TVEyes, Inc.	\$832
FCC17C0016	2520	Licensing Support Services Contract	Web Traits, Inc..	\$59,813
FCC17G0006	2520	Auction System Testing	Technatomy Corporation	\$939,002
FCC17G0018	2520	Incentive Auctions Fund Administrator	Ernst & Young LLP	\$11,227,029
FCC17G0083	2520	Shredding Support Services	Coast2Coast Shredding LLC	\$168
FCC17G0086	2520	Mail Operations and Property Management	Brightkey, Inc.	\$98,217
MCA-2020-0007	2520	Miscellaneous Micro Credit Card Purchases - Various	U.S. Bancorp	\$813
MIA-2020-0070	2520	OIG Fiscal Year 2021 Mandates Audit	National Business Center	\$132,000
MO-2020-0012	2520	Gettysburg Data Center Special Floor Cleaning	CBRE Richmond	\$298
MO-2020-0021	2520	2020 Flexible Spending Accounts (FSA)	WageWorks, Inc.	\$3,500
	<b>2522</b>	<b>ADP Data Retrieval Service</b>		
273FCC18C0009	2522	Telcom Report, TRDaily and State Wide News Wire	CCH Incorporated	\$9,544
273FCC18C0010	2522	OCLC WorldShare Management Services	OCLC	\$3,670
273FCC18P0130	2522	Hein Online Core Collection Plus	Metro Storage Center	\$3,086
273FCC19C0012	2522	SNL Kagan Unlimited Media Research Database	S&P Global Market Intelligence LLC	\$31,408
273FCC19F0009	2522	LexisNexis Law Enforcement Page	LexisNexis	\$30,888
273FCC19F0010	2522	LexisNexis Online Database Services	LexisNexis	\$17,165
273FCC19F0041	2522	EBSCO Publishing Package Subscriptions	EBSCO Industries Inc.	\$13,269
273FCC19F0105	2522	Westlaw Edge Legal Research Database	West, A Thomson Reuters Business	\$279,901
273FCC19F0127	2522	CQ.com Budget Tracker and Committee Reports	CQ-Roll Call, Inc.	\$4,129
273FCC19P0004	2522	S&P Ratings Direct	S&P Global Market Intelligence LLC	\$2,744
273FCC19P0063	2522	Wall Street Journal Digital Plus	Dow Jones	\$1,449
273FCC19P0115	2522	Ookla Speedtest Intelligence Data	Ookla	\$20,000
273FCC20F0009	2522	IEEE ISOL Telecom & ASPP Online Package	IEEE	\$14,987
273FCC20F0011	2522	ProQuest Congressional Annual Maintenance	ProQuest LLC	\$1,658
273FCC20F0049	2522	ProQuest Legislative & Regulatory Insight	ProQuest LLC	\$15,479
273FCC20F0052	2522	STK Network Maintenance Agreement	Analytical Graphics, Inc.	\$4,858
273FCC20F0081	2522	STATA Annual Maintenance Renewal	Statacorp LLC	\$1,301
273FCC20F0088	2522	LAW360 Legal News	LexisNexis	\$8,073
273FCC20P0040	2522	TeleGeography GlobalComms Database	Telegeography Research	\$3,592
273FCC20P0049	2522	Washington Post Digital Access	Washington Post	\$175
273FCC20P0067	2522	TomTom Telecommunications Suite with MultiNet Post	Carahsoft Technology Corp.	\$4,994
273FCC20P0076	2522	Informa Subscription	Informa UK Ltd.	\$34,000
FCC16G0033	2522	LexisNexis Courtlink Docket Management Database	LexisNexis	\$408
FCC17C0009	2522	Politico Pro Site License	Politico, LLC	\$8,497
FCC17G0093	2522	CLEAR Investigative Database	West, A Thomson Reuters Business	\$19,228
MCA-2020-0034	2522	Domain Name Subscription Renewals - Various	U.S. Bancorp	\$286
	<b>2523</b>	<b>Training/Tuition/Fees</b>		
273FCC20P0016	2523	2020 ATIS 3GPP Membership Fee	Alliance for Telecommunications Industry Solutions, Inc.	\$16,500
FCC17C0005	2523	Practicing Law Institute Membership	Practicing Law Institute	\$6,384
FCC17G0040	2523	Learning MGMT Tool	Cornerstone OnDemand, Inc.	\$7,316
MCA-2020-0033	2523	Diversity Workplace Programs - Various	U.S. Bancorp	\$441
MOA-2020-0004	2523	RTCM Membership Fee	Radio Technical Commission for Maritime Services	\$2,600
TG-2020-077	2523	Skillssoft Learning Licenses	Skillssoft Corporation	\$2,479
TG-2020-156	2523	Critical Thinking	Applied Learning Solutions	\$245
TG-2020-158	2523	Federal Dispute Resolution Training	LRP Publications, Inc.	\$784
	<b>2530</b>	<b>Contract/Purchase - Federal</b>		
MIA-2020-0016	2530	FY20 Agency Contribution - Credit Monitoring	Office of Personnel Management	\$679
MIA-2020-0022	2530	Security Investigations	Defense Finance & ACCTG SVC	\$71,400

**SPECTRUM AUCTIONS PROGRAM EXPENDITURES REPORT - FISCAL YEAR 2020**

Document Number	BOCC	Description	Destination/Vendor	Amounts
	<b>2534</b>	<b>Interagency Contracts</b>		
MIA-2020-0001	2534	Transerve - Transit Benefits FY 2020	U.S. Department of Transportation	\$112,775
MIA-2020-0007	2534	HSPD-12 Maintenance	GSA Office of Finance	\$2,800
MIA-2020-0011	2534	Homeland Security Federal Protective Service	U.S. Dept of Homeland Security	\$94,640
MIA-2020-0014	2534	FY20 CyberSecurity Assessment Management (CSAM)	Department of Justice	\$49,600
MIA-2020-0017	2534	IPA - Eric Burger (Chief Technologist) - GU	Georgetown University	\$31,730
MIA-2020-0025	2534	New Homeland Security FPS at New HQ	U.S. Dept of Homeland Security	\$217,458
MIA-2020-0028	2534	IPA - Dr. Monisha Ghosh (University of Chicago)	University of Chicago	\$29,818
MIA-2020-0029	2534	FY 2020 Flexible Spending Accounts (FSA)	Office of Personnel Management	\$280
MIA-2020-0052	2534	NARA Storage of Records	Bureau of The Public Debt	\$5,760
MIA-2020-0063	2534	eOPF Hosting & Maintenance Agreement	Office of Personnel Management	\$3,984
MIA-2020-0065	2534	FOIA Online Interagency Agreement	Environmental Protection Agency	\$6,655
MIA-2020-0067	2534	USAP Licenses Renewal	Office of Personnel Management	\$8,137
MIA-2020-0068	2534	FY21 eOPF Hosting and Maintenance Agreement	Office of Personnel Management	\$4,182
MIA-2020-0069	2534	USA Jobs 2021 Services	Office of Personnel Management	\$1,785
MIA-2020-0071	2534	FY 2021 Shared Services Program (QuickHire)	Financial Management Service	\$6,957
	<b>2541</b>	<b>Space Repair Interior/Exterior</b>		
MCA-2020-0006	2541	Routine Electric and Facility Repairs - Various	U.S. Bancorp	\$4,211
MCA-2020-0086	2541	Columbia Lab Fire Panel Replacement	U.S. Bancorp	\$1,866
MCA-2020-0093	2541	Gettysburg Refrigerator Cleaning	U.S. Bancorp	\$85
MCA-2020-0113	2541	Fire Suppression Panel Columbia Lab	U.S. Bancorp	\$115
MO-2020-0023	2541	HVAC Repairs-Republic Properties	Parcel 49C Limited Partnership	\$420
	<b>2560</b>	<b>Health Services</b>		
MCA-2020-0018	2560	Safety & Health Services 2020 - Various	U.S. Bancorp	\$9,876
MIA-2020-0053	2560	Drug & Alcohol Testing Program	National Business Center	\$237
MIA-2020-0073	2560	Drug & Alcohol Testing Program - FY 2021	National Business Center	\$358
	<b>2570</b>	<b>IT Data Service Subscription</b>		
273FCC18C0012	2570	AudioEye Enterprise Cloud Managed Services (CMS)	Inquisit, LLC	\$12,845
273FCC18F0009	2570	Atlantis USX	DH Technologies, LLC	\$21,091
273FCC18F0034	2570	Socrata Products	Carahsoft Technology Corp.	\$20,584
273FCC18F0099	2570	Talend Data Management Platform Licenses Renewal	Technica Corporation	\$53,340
273FCC18F0135	2570	Proofpoint	Immixtechnology, Inc.	\$54,234
273FCC18P0080	2570	Zendesk Software Renewal	3t Federal Solutions LLC	\$31,778
273FCC18P0089	2570	ILG Subscription Renewal	ILG Software & BFM Internet	\$84
273FCC18P0125	2570	CIS SecureSuite Membership Renewal	CIS	\$4,101
273FCC19F0011	2570	Ardog Software	Marshall Communications Corp.	\$93,000
273FCC19F0023	2570	Okta License Renewal	Merlin Technical Solutions	\$306,831
273FCC19F0025	2570	Relativity Services	Complete Discovery Source Inc.	\$87,500
273FCC19F0065	2570	Auction Application Platform	Advanced Computer Concepts	\$157,500
273FCC19F0092	2570	Virtual Acquisition Office Subscription	Unison Virtual Acquisition Office, LLC	\$8,557
273FCC19F0130	2570	Google Government Extranet Accounts	CDW Government LLC	\$326
273FCC19F0134	2570	Amazon Web Services (AWS) for Cloud Services	DLT Solutions	\$1,425,651
273FCC19F0166	2570	RSA Tokens Subscription Renewal	August Schell Enterprises, Inc.	\$11,718
273FCC19P0091	2570	ComStudy Software	Radiosoft, Inc.	\$2,500
273FCC20F0023	2570	Teradici Zero Client	Accessagility	\$7,445
273FCC20F0031	2570	Relativity Services	Complete Discovery Source Inc.	\$110,500
273FCC20F0041	2570	RSA Tokens Subscription Renewal	Accessagility	\$32,160
273FCC20F0046	2570	RSA Tokens	JTEK Data Solutions	\$1,032

**SPECTRUM AUCTIONS PROGRAM EXPENDITURES REPORT - FISCAL YEAR 2020**

Document Number	BOCC	Description	Destination/Vendor	Amounts
273FCC20F0068	2570	Techsmith Maintenance Renewal	CDW Government LLC	\$85
273FCC20F0075	2570	Gartner Subscription Support	Gartner, Inc.	\$25,419
273FCC20F0090	2570	MapInfo Maintenance	Immixtechnology, Inc.	\$4,566
273FCC20F0103	2570	SoapUI Pro Subscription Renewal	Sterling Computers Corporation	\$54,040
273FCC20F0105	2570	Tanium Endpoint Management Combined Licenses	Epoch Concepts, LLC	\$141,825
273FCC20F0115	2570	Teradici Zero Client Extension	Accessagility	\$4,820
273FCC20F0117	2570	Mobile Device Management Licenses	AT&T	\$13,262
273FCC20F0119	2570	Clyance Antivirus	Alvarez LLC	\$54,260
273FCC20F0133	2570	ESRI GIS Suite Maintenance	ESRI	\$59,954
273FCC20F0146	2570	Puppet Enterprise	Accessagility	\$108,839
273FCC20F0159	2570	VMware ELA Subscription Renewal	Sterling Computers Corporation	\$166,242
273FCC20P0004	2570	Tableau Desktop Licenses Combined/Co-Termed	CDW Government LLC	\$1,454
273FCC20P0027	2570	Adobe Spark Subscription	CDW Government LLC	\$145
273FCC20P0028	2570	GitHub Renewal	GitHub Inc.	\$336
273FCC20P0029	2570	ManageEngine Patch Connect Plus Combined	Zoho Corporation	\$1,201
273FCC20P0043	2570	iStockphoto	Getty Images (US), Inc.	\$235
273FCC20P0044	2570	NENA ID Annual Subscription	National Emergency Number Association Foundation, Inc.	\$36
273FCC20P0053	2570	SoapUI Pro Subscription Renewal	Smartbear Software Inc.	\$270
273FCC20P0058	2570	MicroFocus SW Maintenance Subscription	CDW Government LLC	\$677
273FCC20P0061	2570	Sauce Lab Subscription	OCG Telcom	\$1,687
273FCC20P0073	2570	TweetReach Union Metrics	Cision US Inc.	\$924
273FCC20P0086	2570	Aspose Subscription Renewal	Insight Public Sector, Inc.	\$4,253
FCC15G0112	2570	Microsoft Enterprise Agreement	Trace Systems Inc.	\$102,778
FCC16G0016	2570	Akamai Content Delivery Network (CDN) Services	Carahsoft Technology Corp.	\$310,180
FCC16G0025	2570	ServiceNow FCC Enterprise License	Carahsoft Technology Corp.	\$549,320
FCC16G0065	2570	MuleSoft Software Support Renewal	GovPlace	\$318,475
FCC16P0130	2570	PerCon DataLinks Internet Subscription	PerCon Corporation	\$3,499
FCC17G0055	2570	WebEx FCC-Conference Subscription	CDW Government LLC	\$9,278
FCC17P0004	2570	Entrust Certificates Renewal	Agsi Systems	\$18,413
MCA-2020-0089	2570	ARIN IPv6 Subscription	U.S. Bancorp	\$21
	<b>2571</b>	<b>Repair/Maintenance Vehicles-Field Office</b>		
MCA-2020-0024	2571	Vehicle Repairs (Various)	U.S. Bancorp	\$185
	<b>2572</b>	<b>ADP Software Maintenance</b>		
273FCC18F0063	2572	Embarcadero Software Maintenance Renewal	CDW Government LLC	\$48,336
273FCC18F0113	2572	Box Enterprise Renewal	Carahsoft Technology Corporation	\$34,440
273FCC18F0114	2572	Zscaler Cloud Security	CDW Government LLC	\$105,138
273FCC19F0042	2572	AMP License and Support	Level Access, Inc.	\$3,503
273FCC19F0068	2572	SAS Software Maintenance	Executive Information Systems	\$9,940
273FCC19F0081	2572	Adobe/ColdFusion Licenses Renewal	PCMG, Inc.	\$24,080
273FCC19P0023	2572	AM-Pro Renewal	V-Soft Communications, LLC	\$2,844
273FCC19P0025	2572	Metadata Assistant Software Maintenance	The PayneGroup	\$468
273FCC19P0027	2572	Media Access Pro Software Maintenance	BIA/Kelsey	\$6,926
273FCC19P0034	2572	ActivClient User License Maintenance	SIRC	\$3,238
273FCC19P0064	2572	UnitySync Software Maintenance	Directory Wizards Inc.	\$330
273FCC20F0024	2572	CartoDB Maintenance	Testmart	\$30,680
273FCC20F0026	2572	SnagIT Software Renewal	GovConnection Inc.	\$12
273FCC20F0036	2572	Spectrum Maintenance	Spectrum Center Inc.	\$1,064
273FCC20F0037	2572	MetaDefender Maintenance Renewal	Enterprise Technology Solutions, Inc.	\$12,193
273FCC20F0043	2572	Tenable Software	Iron Bow Technologies, LLC	\$21,494
273FCC20F0057	2572	Forescout Maintenance	CDW Government LLC	\$6,061
273FCC20F0065	2572	Oracle Hardware & Software Combined Maintenance	Dynamic Systems, Inc.	\$369,979
273FCC20F0070	2572	BlazeMeter Licenses	A & I Solutions, Inc.	\$5,332

**SPECTRUM AUCTIONS PROGRAM EXPENDITURES REPORT - FISCAL YEAR 2020**

Document Number	BOCC	Description	Destination/Vendor	Amounts
273FCC20F0072	2572	EnCase Maintenance	Assurance Data Inc.	\$20,460
273FCC20F0100	2572	NetBackUp Licenses Legacy Tapes	ThunderCat Technology, LLC	\$4,700
273FCC20F0109	2572	CheckPoint Maintenance	Swish Data Corporation	\$54,525
273FCC20F0111	2572	RedHat Subscription Renewal	August Schell Enterprises, Inc.	\$120,409
273FCC20F0112	2572	MicroStrategy Renewal	ThunderCat Technology, LLC	\$47,554
273FCC20F0113	2572	XMedius Maintenance	CDW Government LLC	\$3,292
273FCC20F0114	2572	Qualys Web Scanner	Carahsoft Technology Corporation	\$11,436
273FCC20F0121	2572	SolarWinds Renewal	Sterling Computers Corporation	\$13,741
273FCC20F0129	2572	Forescout Maintenance	CDW Government LLC	\$3,045
273FCC20F0130	2572	Imperva X2500 WebApp Firewall Maintenance Renewal	Epoch Concepts, LLC	\$75,719
273FCC20F0132	2572	Privileged Account Management - CyberArk	Merlin Technical Solutions	\$33,635
273FCC20F0139	2572	Splunk (SIEM)	Optiv Federal Inc.	\$118,175
273FCC20F0161	2572	Microsoft Enterprise Agreement Renewal	CDW Government LLC	\$682,195
273FCC20P0026	2572	Hyena Maintenance Renewal	SystemsTools Software, Inc.	\$66
273FCC20P0030	2572	ActivePDF Maintenance Renewal	ActivePDF, Inc.	\$5,115
273FCC20P0064	2572	Gurobi Licenses Maintenance Renewal	Gurobi Optimization LLC	\$12,000
FCC15G0112	2572	Microsoft Enterprise Agreement	Trace Systems Inc.	\$92,287
	<b>2573</b>	<b>ADP Equipment Maintenance</b>		
273FCC18F0032	2573	Xerox Lease and Maintenance - Columbia	Xerox Corporation	\$2,642
273FCC18F0101	2573	Juniper Appliance Maintenance	Walker And Associates, Inc.	\$251
273FCC18G0002	2573	NetApp Hardware Maintenance	Anacapa Micro Products, Inc.	\$3,226
273FCC19F0019	2573	Linux Maintenance Renewal	Hewlett Packard Enterprise Company	\$14,077
273FCC19F0035	2573	Cisco SmartNet Maintenance	FCN	\$205,072
273FCC20F0006	2573	F5 VDI Hardware Maintenance	FCN	\$33,191
273FCC20F0047	2573	UPS Wire-Closets Maintenance	Bahfed Corp.	\$4,391
273FCC20F0053	2573	HP Server Maintenance	CDW Government LLC	\$3,813
273FCC20F0060	2573	Nutanix Maintenance	GovConnection Inc.	\$33,365
273FCC20F0065	2573	Oracle Hardware & Software Combined Maintenance	Dynamic Systems, Inc.	\$186,356
FCC17G0007	2573	Hitachi Maintenance	Vion Corporation	\$189,880
FCC17P0053	2573	Microfiche Reader	Imagex	\$123
MCA-2020-0009	2573	NetBotz Equipment Maintenance Renewal	U.S. Bancorp	\$32
	<b>2574</b>	<b>Repair Office Equipment/Furniture</b>		
MCA-2020-0025	2574	Security Office BPA Siemens	U.S. Bancorp	\$3,500
MCA-2020-0030	2574	Security Office BPA Siemens	U.S. Bancorp	\$1,750
MCA-2020-0032	2574	Gettysburg Security Alarm System Battery	U.S. Bancorp	\$28
MCA-2020-0039	2574	Repairs to Office Equipment and Furniture	U.S. Bancorp	\$420
	<b>2575</b>	<b>ADP Service Contracts</b>		
273FCC18F0022	2575	IT OPS	Telesis Corporation	\$1,885,851
273FCC18F0032	2575	Xerox Lease and Maintenance - Columbia	Xerox	\$327
273FCC18F0042	2575	IT Legacy Information Application Support	Incentive Technology Group, LLC	\$7,899,719
273FCC18F0059	2575	IT Program and Data Support	Highlight Technologies, LLC	\$3,278,863
273FCC18G0003	2575	Enterprise Testing	Oasys	\$1,905,290
273FCC19C0008	2575	Auction Bidding System	Power Auctions LLC	\$3,295,920
273FCC19F0059	2575	NSOC Service Contract	XOR Security LLC	\$998,316
273FCC19F0067	2575	HQ Housing Initiative	Federal Acquisition Strategies, LLC	\$191,052
273FCC19F0100	2575	Security Program Support	Panum Group	\$1,231,963
273FCC20C0011	2575	VoIP Telephony Installation and Support	Chenega Worldwide Support, LLC	\$7,128
273FCC20F0002	2575	ULS Modernization	NCI Information Systems, Inc.	\$3,462,541
273FCC20F0035	2575	O&M Support TPSS	Incentive Technology Group, LLC	\$2,088,000
273FCC20F0044	2575	Audio Visual Support Services	Digital Consultants LLC	\$90,094

**SPECTRUM AUCTIONS PROGRAM EXPENDITURES REPORT - FISCAL YEAR 2020**

<b>Document Number</b>	<b>BOCC</b>	<b>Description</b>	<b>Destination/Vendor</b>	<b>Amounts</b>
273FCC20F0051	2575	Security Testing and Evaluation	Intelipath Services Group, Inc.	\$925,161
273FCC20F0096	2575	Integrated Acquisition Consulting Services	TIC	\$123,967
273FCC20F0134	2575	IT Testing	Oasys	\$1,008,680
273FCC20F0165	2575	ECFS - Phase 1 Technology Upgrade Support	TCG	\$2,756
FCC14G0126	2575	Network Telecommunications Services for HFDF	Government Markets	\$6,790
FCC16G0135	2575	Offsite Backup Tape Data Storage	Recovery Point Systems, Inc.	\$27,970
FCC17G0020	2575	Website Support Services	Agileana L.C.	\$197,991
FCC17G0029	2575	Microsoft Premier Support	New Tech Solutions, Inc.	\$57,190
FCC17G0038	2575	Tailored Platforms Support Services	Incentive Technology Group, LLC	\$694,139
FCC17G0103	2575	Enterprise Engineering Support	VMD Systems Integrators, Inc.	\$217,003
MCA-2019-0116	2575	Carahsoft Professional Services	U.S. Bancorp	\$3,720
	<b>25</b>	<b>Total Other Contractual Services</b>		<b>\$62,159,552</b>
	<b>2600</b>	<b>Supplies and Materials</b>		
273FCC20F0003	2600	Office Supplies	Office Depot	\$2,800
273FCC20F0078	2600	Office Supplies FY 2021	Office Depot	\$4,200
273FCC20F0141	2600	Office Supplies FY 2021	Office Depot	\$2,800
273FCC20F0040	2600	Toner Market Research - 2019	Amerisys, Inc.	\$1,680
MCA-2020-0008	2600	General Supplies FY 2020	U.S. Bancorp	\$674
MCA-2020-0023	2600	Silicone Pad for Fingerprint Machine - AO	U.S. Bancorp	\$33
MCA-2020-0031	2600	Security Office Supplies	U.S. Bancorp	\$270
MCA-2020-0040	2600	General Supplies FY 2020	U.S. Bancorp	\$1,820
MCA-2020-0049	2600	Mailroom Equipment Supplies	U.S. Bancorp	\$143
MCA-2020-0105	2600	New FCC Seals	U.S. Bancorp	\$1,400
MIA-2020-0031	2600	Paper Supplies FY 2020	Government Printing Office	\$2,773
MOC-2020-CC-0008	2600	General Office Supplies	U.S. Bancorp	\$3,521
	<b>2610</b>	<b>Field Office Fuel Supplies</b>		
MCA-2020-0010	2610	Vehicle Fuel (Various)	U.S. Bancorp	\$168
	<b>2660</b>	<b>Periodicals and Subscriptions</b>		
273FCC18P0031	2660	IEEE Enterprise Service Downloads	IEEE	\$1,079
273FCC18P0052	2660	The National Journal and Hotline's Race Tracker	National Journal Group	\$6,427
273FCC19F0007	2660	BarScan Services	Grant Leading Technology, LLC	\$419
273FCC20F0131	2660	Artech House eBooks Library	IEEE	\$2,257
273FCC20F0143	2660	Bloomberg Law Tech and Telecommunication	The Bureau of National Affairs, Inc.	\$11,001
273FCC20P0011	2660	Southwest Distribution for Daily Newspapers	Southwest Distribution Inc.	\$1,445
273FCC20P0022	2660	Communications Daily	Washington Internet Daily	\$11,200
FCC17P0017	2660	JSTOR Online Journal Subscription	Ithaka Harbors Inc.	\$904
FCC17P0071	2660	YellowBook Leadership Directories	Leadership Directories, Inc.	\$2,156
MCA-2019-0032	2660	Credit Card Purchases for Library Services	U.S. Bancorp	\$14,984
MCA-2020-0001	2660	Westminster Fire Extinguisher Service	U.S. Bancorp	\$228
MCA-2020-0026	2660	Trademark Registration Fee	U.S. Bancorp	\$39
MIA-2020-0023	2660	Print Plant - GPO Periodical/Subscriptions 2020	Government Printing Office	\$420
	<b>26</b>	<b>Total Supplies and Materials</b>		<b>\$74,842</b>
	<b>3110</b>	<b>Technical Equipment</b>		
MCA-2020-0015	3110	New Receiver for Dish Network - OMR	U.S. Bancorp	\$13
	<b>3120</b>	<b>ADP Equipment</b>		
273FCC20F0032	3120	Developer Hardware	GovConnection Inc.	\$26,948
273FCC20F0095	3120	Power User Workstations	PCI Tec	\$86,268

**SPECTRUM AUCTIONS PROGRAM EXPENDITURES REPORT - FISCAL YEAR 2020**

Document Number	BOCC	Description	Destination/Vendor	Amounts
273FCC20F0154	3120	Laptops to Replenish Operations Inventory	CDW Government LLC	\$6,108
273FCC20F0158	3120	Firewall Hardware	CDW Government LLC	\$6,772
273FCC20F0159	3120	VMware ELA Subscription Renewal	Sterling Computers LLC	\$19,344
273FCC20F0173	3120	Zoom Call Recording Maintenance Support	CDW Government LLC	\$12,634
BCP-081320-600000	3120	Transfer - Credit Card Payment Process	U.S. Bancorp	(\$3,192)
MCA-2020-0002	3120	SDWAN Lab Network Switches	U.S. Bancorp	\$113
MCA-2020-0005	3120	Projector Replacement for Auctions	U.S. Bancorp	\$474
MCA-2020-0014	3120	USB SD Card Reader	U.S. Bancorp	\$2
MCA-2020-0021	3120	NSOC Forensics Equipment	U.S. Bancorp	\$2,141
MCA-2020-0048	3120	DDR3 Memory Modules	U.S. Bancorp	\$49
MCA-2020-0054	3120	UPS Battery Replacement	U.S. Bancorp	\$96
MCA-2020-0059	3120	CAC Card Readers (Various)	U.S. Bancorp	\$130
MCA-2020-0090	3120	Webcams	U.S. Bancorp	\$20
MCA-2020-0094	3120	Additional RAM	U.S. Bancorp	\$49
MCA-2020-0095	3120	CAT6 Cables	U.S. Bancorp	\$68
MCA-2020-0100	3120	Remote Auctions: Privacy Screen Protector	U.S. Bancorp	\$6,716
MCA-2020-0103	3120	External Hard Drive	U.S. Bancorp	\$31
MCA-2020-0104	3120	Webcam for Remote Auction	U.S. Bancorp	\$1,290
MCA-2020-0106	3120	Secure Disposal of Media	U.S. Bancorp	\$1,576
MCA-2020-0107	3120	Computer RAM	U.S. Bancorp	\$323
MCA-2020-0111	3120	Replacement APC UPS Denver FO	U.S. Bancorp	\$60
MCA-2020-0116	3120	40 Smart Card Readers	U.S. Bancorp	\$75
MCA-2020-0117	3120	Patch Cables	U.S. Bancorp	\$2,683
MCA-2020-0119	3120	Fiber Single Mode SFP	U.S. Bancorp	\$220
MCA-2020-0120	3120	Webcams	U.S. Bancorp	\$119
	<b>3130</b>	<b>ADP Software</b>		
273FCC18P0126	3130	Cadapult FM Subscription	Cadapult, Ltd.	\$1,053
273FCC20F0038	3130	Articulate 360 Teams Subscription	ICS Learning Group	\$771
273FCC20F0071	3130	OpenShift Software	DLT Solutions, LLC	\$356,795
273FCC20F0079	3130	CCURE 9000 at Gettysburg and Columbia	Siemens Industry Inc.	\$37
273FCC20F0092	3130	Erwin Data Modeler - ULS Modernization	Myriad Solutions, Inc.	\$19,850
273FCC20F0128	3130	Sonatype	Carahsoft Technology Corp.	\$71,419
273FCC20P0005	3130	Windows User Profile Management	Carahsoft Technology Corp.	\$87,086
273FCC20P0035	3130	Wowza Streaming License	CDW Government LLC	\$266
FCC15G0112	3130	Microsoft Enterprise Agreement	Trace Systems Inc.	\$34,196
MCA-2020-0091	3130	Renewal of Passage Point SSA License - Siemens	U.S. Bancorp	\$218
MCA-2020-0092	3130	Renewal of CCURE 9000 - Siemens	U.S. Bancorp	\$1,128
	<b>3140</b>	<b>Office Furniture and Equipment</b>		
MCA-2020-0022	3140	Refrigerator Replacement at Powder Springs	U.S. Bancorp	\$115
MCA-2020-0046	3140	Misc. Office Equipment Purchases 2020	U.S. Bancorp	\$420
	<b>3150</b>	<b>Telecommunications Equipment</b>		
273FCC20C0011	3150	VoIP Telephony Installation and Support	Chenega Worldwide Support, LLC	\$32,450
MCA-2020-0051	3150	Wireless Headset	U.S. Bancorp	\$29
	<b>31</b>	<b>Total Equipment</b>		<b>\$776,963</b>
		<b>Total Auctions Operating Costs Funded from Auctions Receipts</b>		<b>\$107,762,409</b>