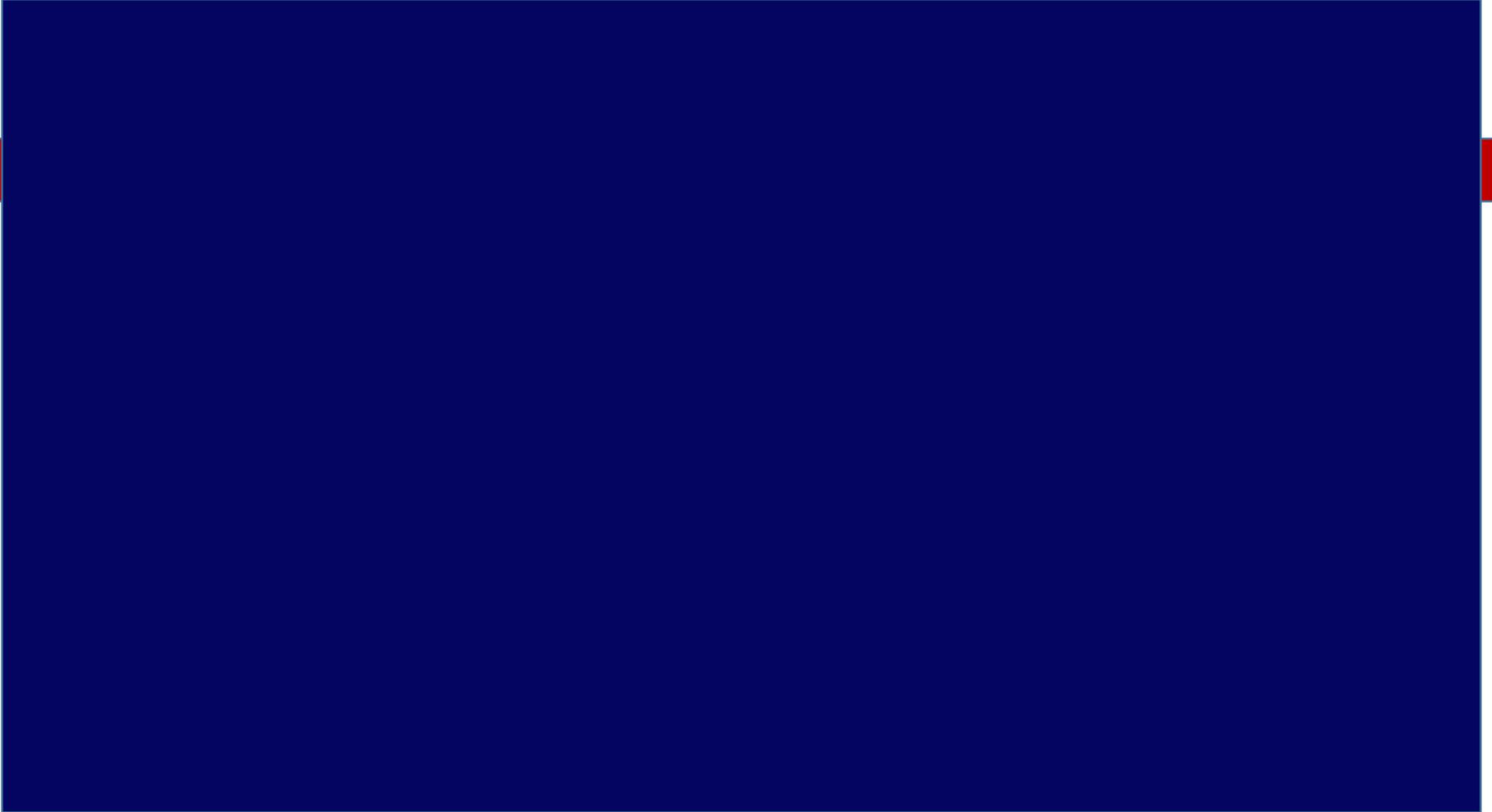




National Aeronautics and Space Administration (NASA)



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On October 31, 2014, Federal Procurement Data System - Next Generation (FPDS-NG) data for all Information Technology (IT) product service codes (PSC) was retrieved from NASA’s contract management system (CMM) Prism. FPDS-NG includes all contracts whose estimated value is \$3,000 or more or that may be \$3,000 or more. Every modification to that contract, regardless of dollar value must be reported to FPDS-NG. The data fields retrieved included: PSC, contractor name, business size, descriptions of requirement, contract amount, contract type, contract completion date, and center location of contract. The initial analysis of the data indicated there are 31 IT PSC and the majority of NASA spend was conducted in seven categories. The top 7-categories of the 31 IT PSCs for all of NASA’s spend across the Centers are:

- PSC 7030 ADP SOFTWARE
- PSC 7035 ADP SUPPORT EQUIPMENT
- PSC D301 IT AND TELECOM- FACILITY OPERATION AND MAINTENANCE
- PSC D307 IT AND TELECOM- IT STRATEGY AND ARCHITECTURE
- PSC D308 IT AND TELECOM- PROGRAMMING
- PSC D316 IT AND TELECOM- TELECOMMUNICATIONS NETWORK MANAGEMENT
- PSC D399 IT AND TELECOM- OTHER IT AND TELECOMMUNICATIONS

Table 1 highlights the 7-categories and provides visibility into IT spend across all NASA Centers. Total spend for the all 31 IT PSC was \$970,118,832 rounded, with the 7-IT PSCs representing 92% of IT spend at \$893,366,292 rounded. Table 1- outlines the Centers spend for the 7-IT PSC.

Table 1 - Total Obligations for the Top 7-PSCs Across all NASA Centers

	PSC 7030	PSC 7035	PSC D301	PSC D307	PSC D308	PSC D316	PSC D399
Center							
ARC	345,600.92	21,718,938.58	-	(169,314.42)	44,000.00		28,957,519.94
DFRC	588,864.89	1,175,636.55	16,601.07	-		18360.48	
GSFC	2,010,219.25	26,393,070.98	7,357,205.95	30,333,680.00	1,031,855.91	91175880.43	27,943,208.89
GRC	-	576,316.79	23,839,960.78		606,424.01		
HQ	517,535.96	630,161.14	-		155,019.00	237510.74	476,867.45
JSC	5,387,257.55	5,998,874.65	50,455,953.99	16,448,982.19	298,841.87		1,051,953.96
KSC	6,229.06	3,038,393.06	9,439,039.85	(33,499.21)	14,500.00	43391.14	42,523.95
LARC	2,937,688.13	204,360.58	57,594.14	11,330.00	30,590,970.00	13826.28	2,701,652.82
MSF	1,145,142.86	126,213.55	-	59,354,171.34	45,286.00		120,849.00
NSSC	6,069.00	20,505,130.30	66,650,345.63	54,865,245.33	413,310.61		776,666.79
SSC	268,172.97	2,239,929.00	11,511,638.87	212,665.70	(11,732.24)	446197.85	
Total	13,212,780.59	82,607,025.18	49,328,340.28	161,023,260.93	33,188,475.16	91,935,166.92	62,071,242.80

Figure 1-shows the total distribution of dollars obligated amongst the 7-IT PSCs. PSC D301 IT and telecom - facility operation and maintenance represents 50% of NASA's total obligated amount at \$161 million when examining the top 7-IT PSCs.

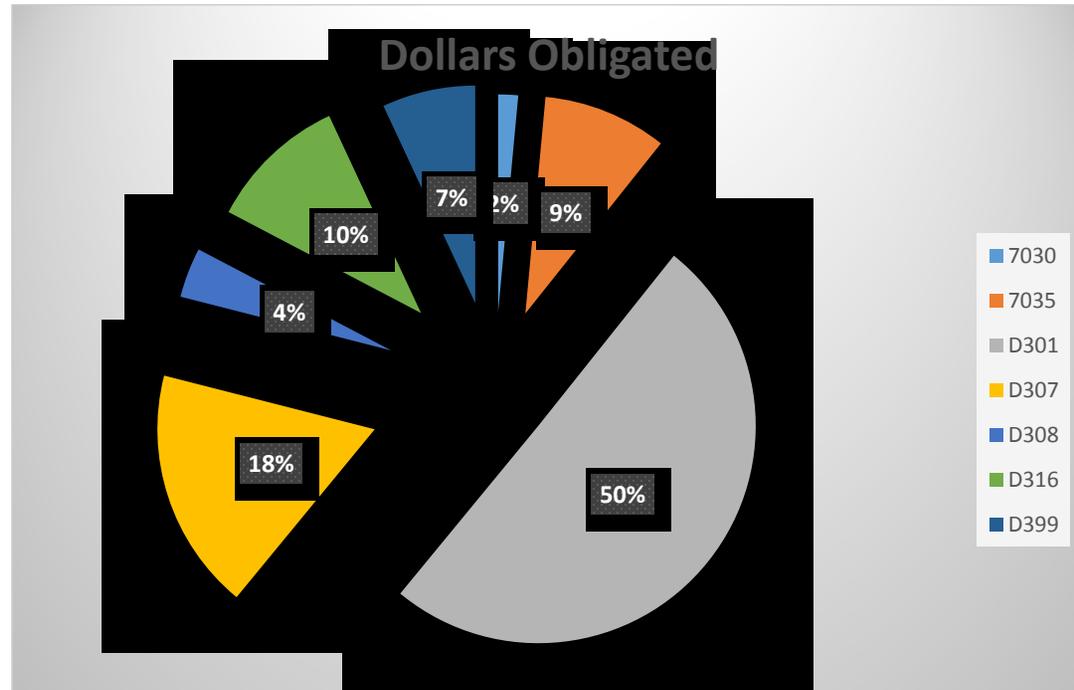


Figure 1- Percent of Dollar Obligated by PSC

A spend analysis was conducted on the 7-top categories that examined the 10 NASA Centers IT obligations and HQ IT obligations for a total of 11 NASA procuring entities. The seven PSC highlighted represents NASA's best opportunities for further evaluation to maximize strategic sourcing opportunity. Maximizing Strategic Sourcing opportunities may include optimizing current Federal or Agency strategic sourcing initiatives (contracts) or awarding of a new Agency strategic sourcing initiative (contracts). Each category was evaluated separately and provided recommendations for future consideration.

PSC 7030 ADP SOFTWARE

PSC 7030 is described as Automatic Data Processing (ADP) software. This PSC has a total of 483 contract actions of which 447 contract actions for FY14 and beyond (see table xxx) awarded across 10 NASA centers. All 483 contracts actions were awarded as fixed price. A total of 262 (see figure 3) contract actions at \$7.5M (see figure 2) were awarded to small businesses. There are approximately 220 contractors that currently provide NASA with ADP software support. The 2014 calendar year obligations total \$4.8M with approximately, \$9M currently obligated for 2015 and beyond (See table 2). Nine of the 10 centers and HQ have obligated This PSC could be reviewed to determine if NASA could:

- Leverage Agency buying power,
- Increase agency efficiencies,
- Reduce product unit prices, or
- Reduce administrative cost,
- Increase dollars to small business.

Table 2- PSC 7030 Obligation Summary

Center	2012	2013	2014	2015	2016	2017	2018	2019	Total
ARC	-	-\$987.63	\$19,083.44	\$115,076.77		\$207,910.34	\$4,518.00		345,600.92
DFRC		-\$3,719.72	\$43,242.70	\$549,341.91					588,864.89
GSFC									-
GRC	-\$9,448.00		\$781,525.50	\$1,134,534.55	\$50,913.20			\$52,694.00	2,010,219.25
HQ			\$6,875.38	\$510,660.58					517,535.96
JSC		-\$15,614.52	2,705,662.79	\$2,326,325.81	\$252,591.78	\$118,291.69			5,387,257.55
KSC	-\$1,195.94	-	-\$1,895.00	\$9,320.00					6,229.06
LARC		\$22,645.93	\$940,034.53	\$1,975,007.67					2,937,688.13
MSF			\$85,355.50	199,685.00		\$860,102.36			1,145,142.86
NSSC		-	-	6,069.00	-				6,069.00
SSC			\$222,385.47	\$45,787.50	-				268,172.97
Total	(10,643.94)	2,324.06	4,802,270.31	6,871,808.79	303,504.98	1,186,304.39	4,518.00	52,694.00	13,212,780.59

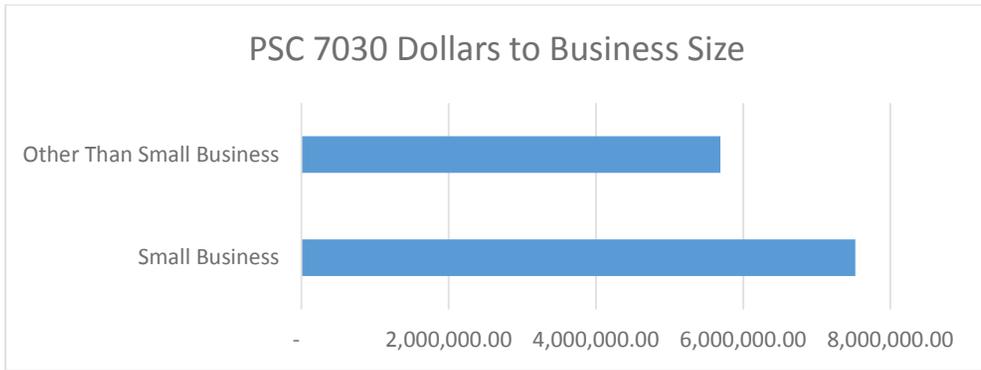


Figure 2: PSC 7030 Small Business Obligations

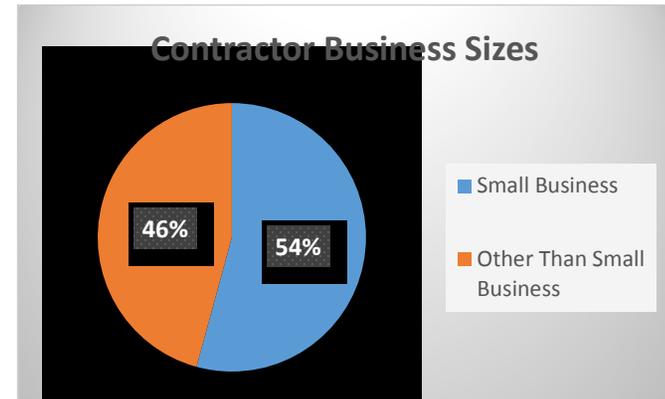


Figure 3: PSC 7030 total Small Business Contractor

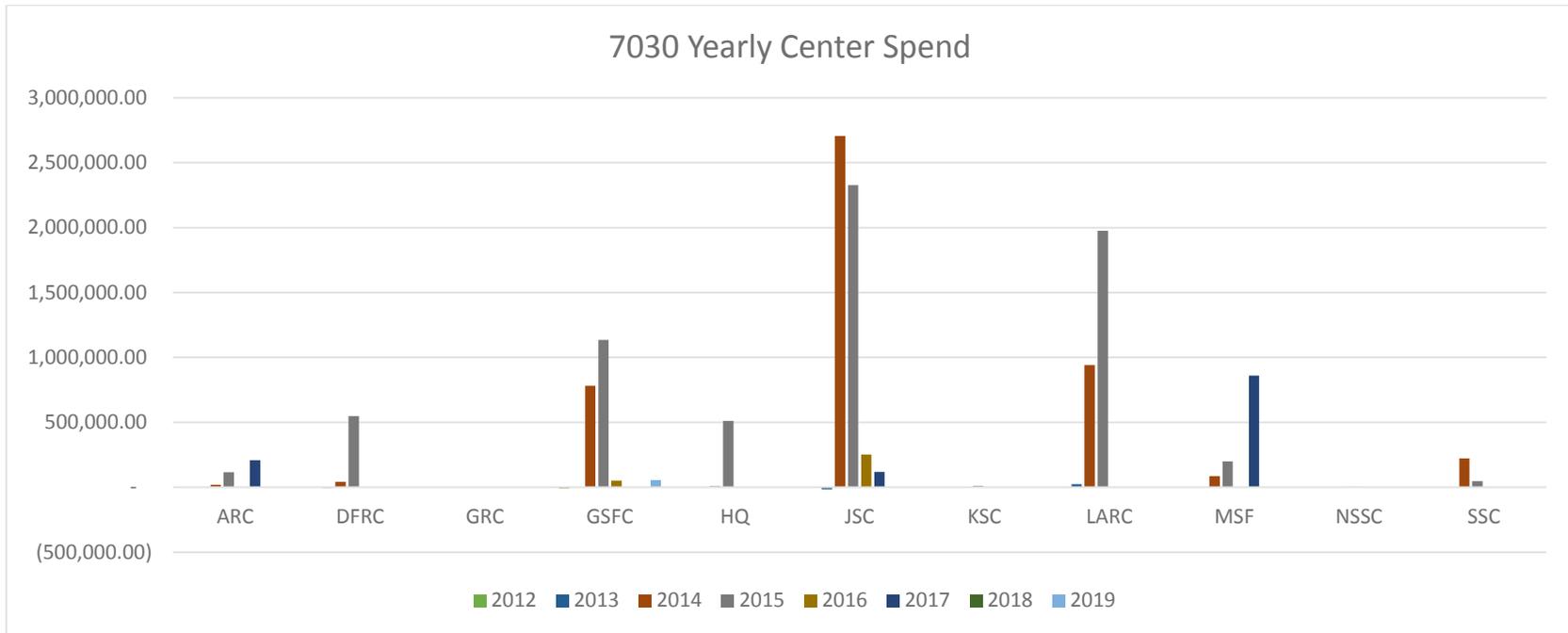


Figure 4: Yearly Center Spend

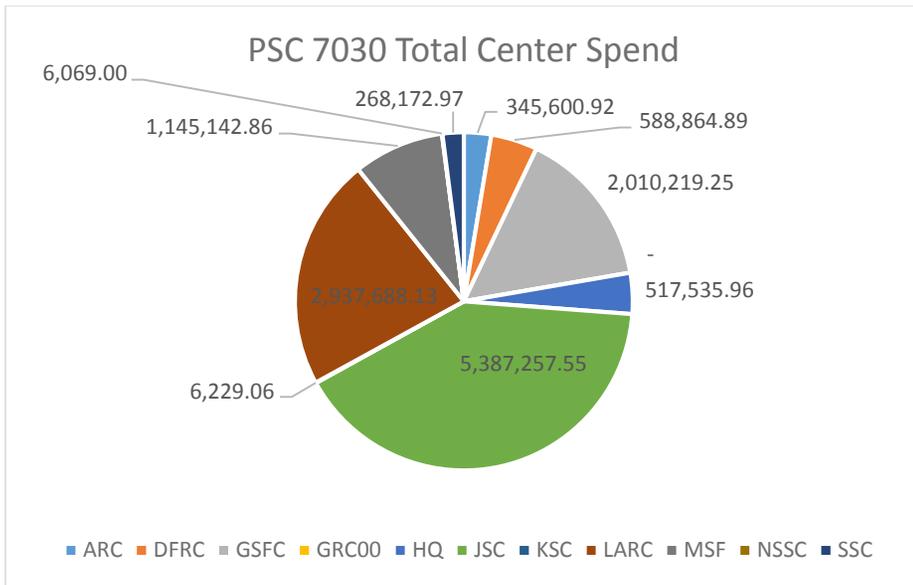


Figure 5: Total Center Spend

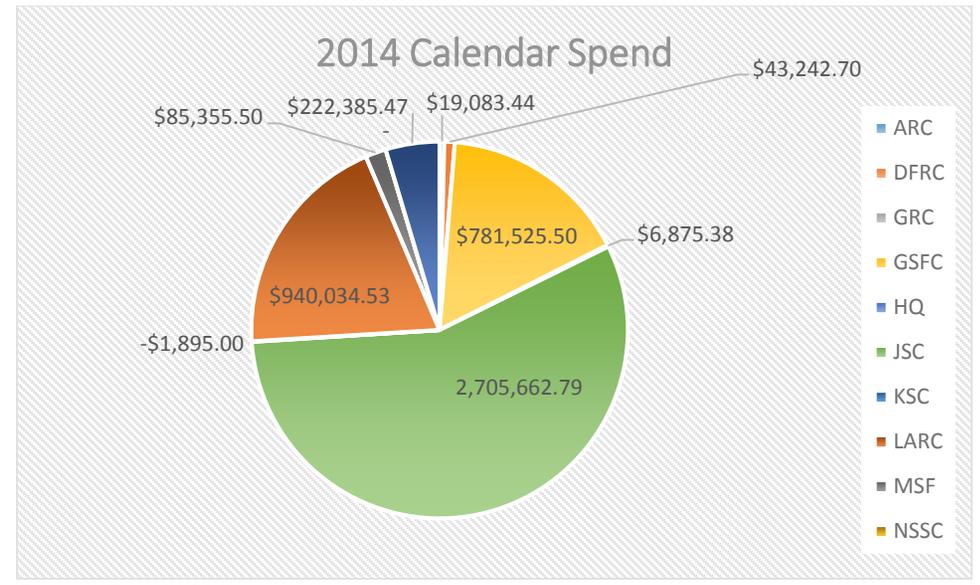


Figure 6: Total 2014 Calendar Year Center Spend

PSC 7035 ADP SUPPORT EQUIPMENT

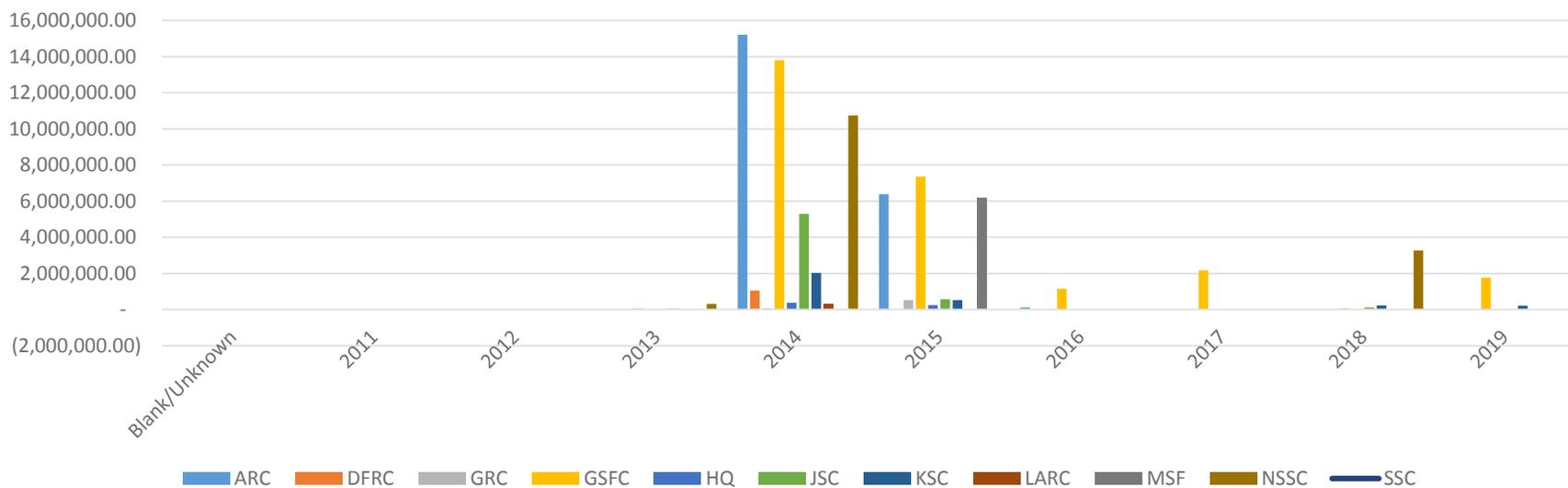
PSC 7035 is described as ADP support equipment with 860 contracts for FY14 and beyond. This PSC was examined to highlight SEWP spend and non-SEWP spend. All of NASA centers have a contract for ADP support equipment with 785 contracts awarded outside of SEWP, as fixed price and 375 of the contracts awarded to small businesses. There are 170 contractors that currently provides NASA with ADP support equipment. In FY14 \$39 million was obligated outside of SEWP, and \$9.2 million is currently obligated for FY15 and beyond outside of SEWP. Total spend including SEWP is done mostly conducted at three Centers, ARC, GSFC, and NSSC. This PSC could be reviewed to determine if NASA could:

- Increase the use of current NASA Strategic Sourcing initiatives,
- Improve understanding of Agency needs,
- Leverage Agency buying power,
- Increase small business participation,
- Increase agency efficiencies,
- Reduce product unit prices, or
- Reduce administrative cost

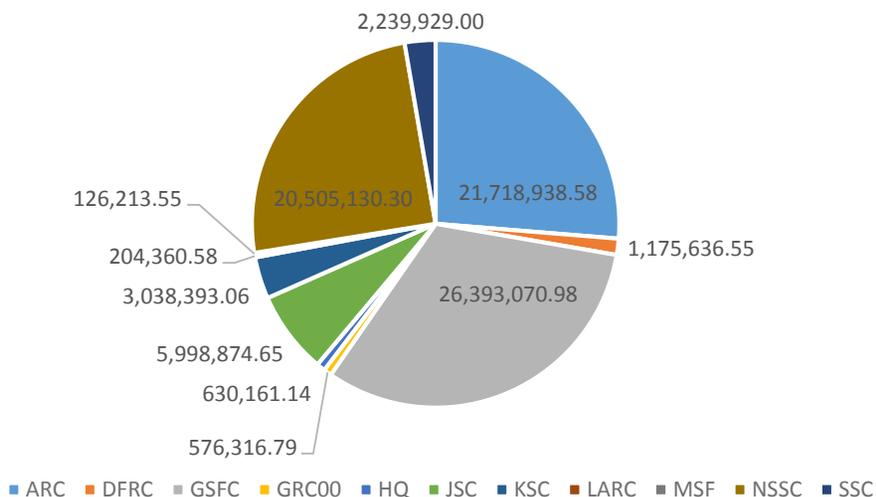
PSC 7035

Center	Blank/Unknown	2011	2012	2013	2014	2015	2016	2017	2018	2019	Total
ARC			-\$436.08	-\$244.35	\$15,215,229.47	\$6,383,888.21	\$120,501.33				21,718,938.58
DFRC				\$300.00	\$1,056,295.13						1,056,595.13
GSFC				\$35.01	\$58,626.09	\$517,655.69					576,316.79
GRC				\$71,681.12	\$13,806,674.61	\$7,353,120.66	\$1,151,789.46	\$2,174,571.17	\$68,908.90	\$1,766,325.06	26,393,070.98
HQ				\$3,085.52	\$368,945.49	\$246,804.35	\$11,325.78				630,161.14
JSC				\$9,473.04	\$5,294,638.25	\$575,966.60	\$2,531.34	\$8,171.28	\$108,094.14		5,998,874.65
KSC		-\$3,512.70		\$34,540.24	\$2,029,818.00	\$520,130.31		\$11,843.75	\$233,612.55	\$211,960.91	3,038,393.06
LARC					\$330,574.13						330,574.13
MSF						\$6,170,089.67					6,170,089.67
NSSC	\$4,960.23			\$307,468.84	\$10,743,704.05				\$3,278,907.51		14,335,040.63
SSC					\$2,239,929.00						2,239,929.00
Total	4,960.23	(3,512.70)	436.08	426,339.42	51,144,434.22	21,767,655.49	1,286,147.91	2,194,586.20	3,689,523.10	1,978,285.97	82,487,983.76

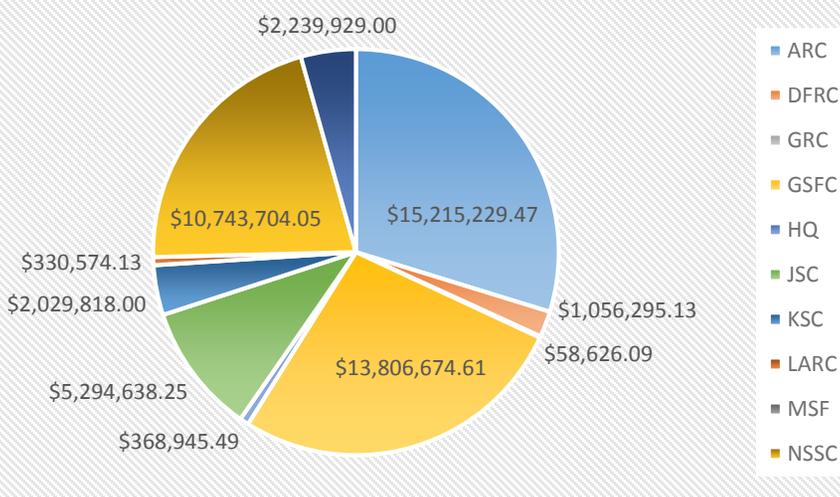
7035 Yealy Spend



PSC 7035 Total Center Spend



7035 FY 14 Spend

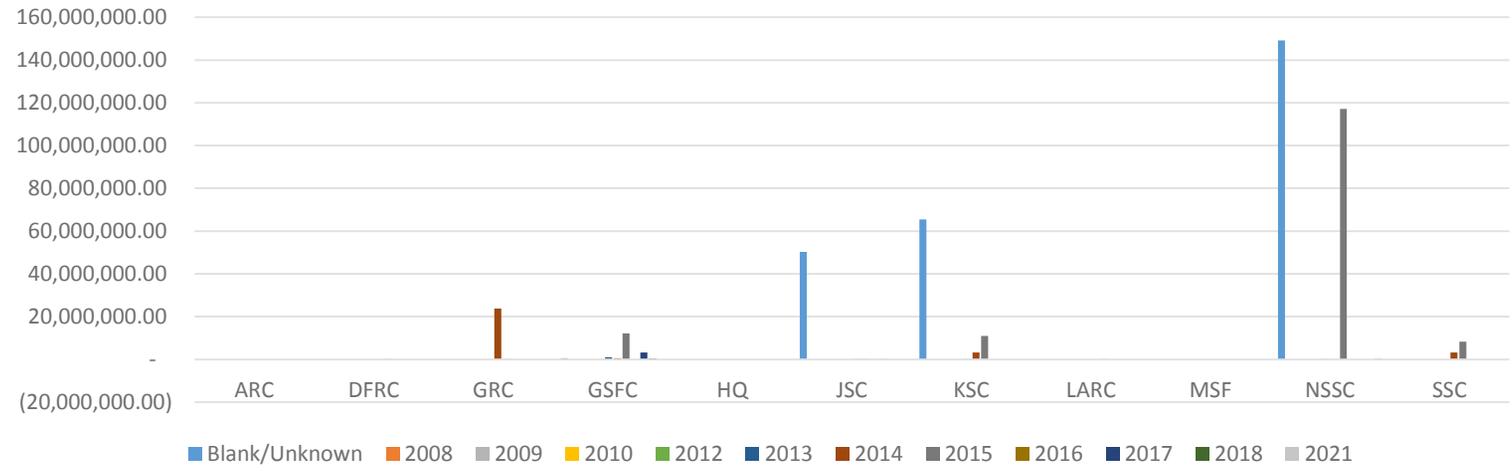


PSC D301 is described as IT and telecom-facility operation and maintenance with 299 contracts for FY14 and beyond with 228 awarded to small businesses. 8 of NASA centers have a contract for IT and telecom-facility operation and maintenance 76 fixed price. There are 45 contractors that currently provides NASA with IT and telecom- facility operation and maintenance. In FY14 \$28.8 million was obligated and \$155 million is currently obligated for FY15 and beyond. This PSC could be reviewed to determine if NASA could:

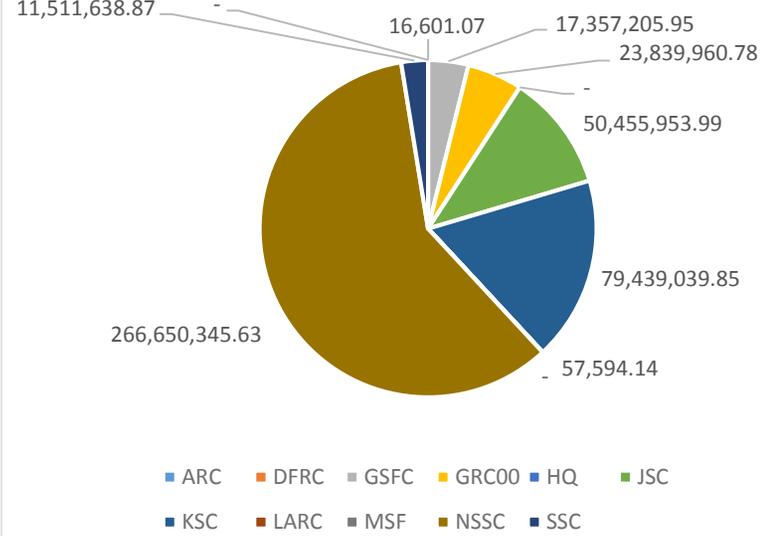
- Improve understanding of Agency needs,
- Leverage Agency buying power,
- Increase agency efficiencies,
- Reduce product unit prices, or
- Reduce administrative cost

PSC D301													
Center	Blank/Unknown	2008	2009	2010	2012	2013	2014	2015	2016	2017	2018	2021	Total
ARC					-		-			-			-
DFRC						-		\$16,601.07					16,601.07
GSFC							\$23,793,993.01	\$45,967.77					23,839,960.78
GRC00	\$584,941.01				-	\$921,698.63	\$581,567.13	\$12,098,617.16		\$3,158,118.85	\$22,583.17		17,357,205.95
HQ					\$10,320.00								-
JSC	\$50,240,066.41					-	87,387.39	\$120,025.12		\$8,475.07			50,455,953.99
KSC	\$65,540,318.39	-	-	-	-	\$8,025.97	\$3,143,131.14	\$11,011,039.21					79,439,039.85
		\$222,929.25	\$742.00	\$22,670.05	\$17,133.56								
LARC							-	\$57,597.14					57,594.14
MSF	-						-	-					-
NSSC	\$149,227,181.12					\$81,123.06	-	117,218,153.06	-			\$123,888.39	266,650,345.63
SSC					-\$23.33		\$3,183,476.74	\$8,328,185.46	-				11,511,638.87
Total	265,592,506.93	222,929.25	742.00	22,693.38	27,453.56	1,010,847.66	30,789,552.41	148,896,185.99	-	3,166,593.92	22,583.17	123,888.39	49,328,340.28

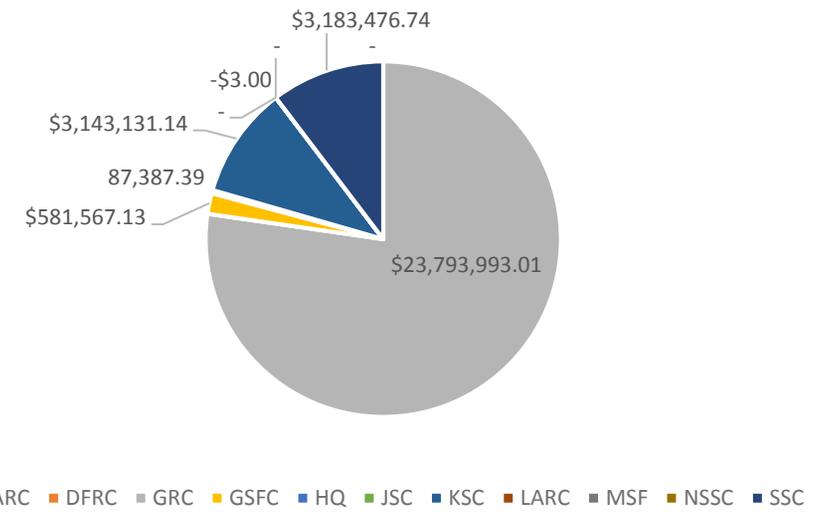
D301 Yearly Center Spend



D301 Total Center Spend



D301 FY2014 Spend



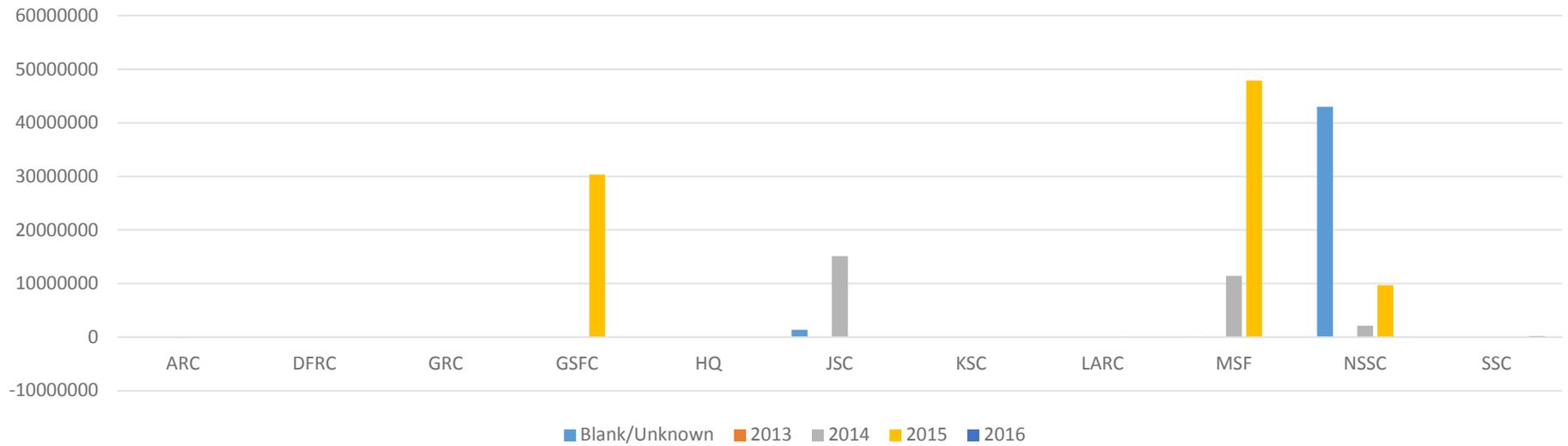
PSC D307 is described as IT and telecom-IT strategy and architecture with 65 contracts for FY14 and beyond with 19 awarded to small businesses. 5 of NASA centers have a contract for IT and telecom- IT strategy and architecture 47 fixed price type contracts. There are 14 contractors that currently provide NASA with IT and telecom- IT strategy and architecture. In FY14 \$28.4 million was obligated and \$88million is currently obligated for FY15 and beyond. The majority of spend is conducted at GSFC, JSC, MSF, and NSSC. This PSC could be reviewed to determine if NASA could:

- Improve understanding of Agency needs,
- Leverage Agency buying power,
- Increase small business participation,
- Reduce product unit prices, or
- Reduce administrative cost

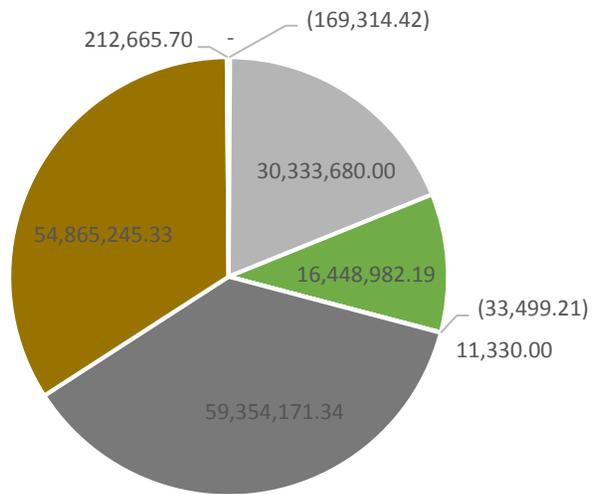
PSC D307

Center	Blank/Unknown	2013	2014	2015	2016	Total
ARC			(169,314.42)			(169,314.42)
DFRC		-				-
GSFC						-
GRC				30,333,680.00		30,333,680.00
HQ						-
JSC	1,360,670.21	(14,274.00)	15,102,585.98			16,448,982.19
KSC		(33,499.21)				(33,499.21)
LARC				11,330.00		11,330.00
MSF	22,000.00		11,447,883.34	47,884,288.00		59,354,171.34
NSSC	43,017,006.70	3,115.08	2,149,648.84	9,670,015.31	25,459.40	54,865,245.33
SSC					212,665.70	212,665.70
Total	44,399,676.91	(44,658.13)	28,530,803.74	87,899,313.31	238,125.10	161,023,260.93

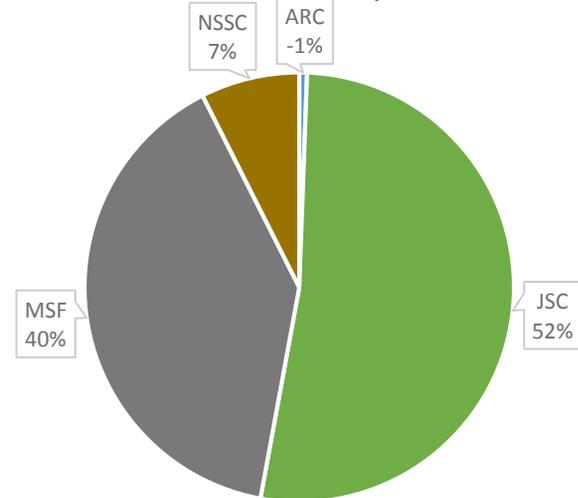
D307 Yearly Center Spend



D307 Total Center Spend



D307 FY2014 Spend

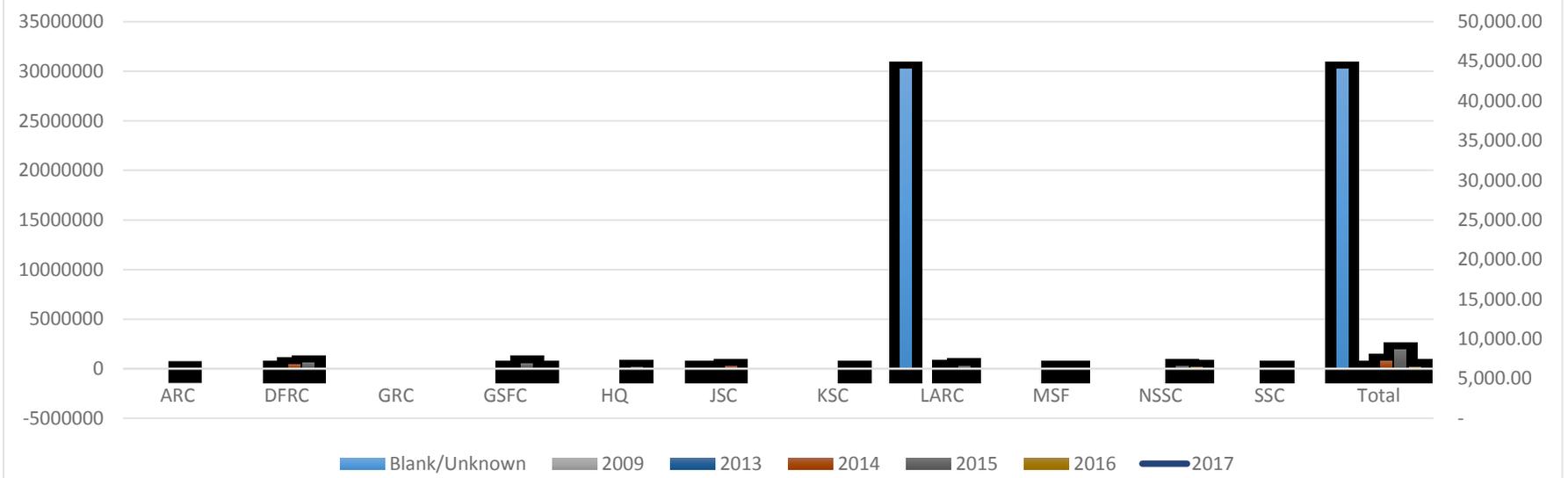


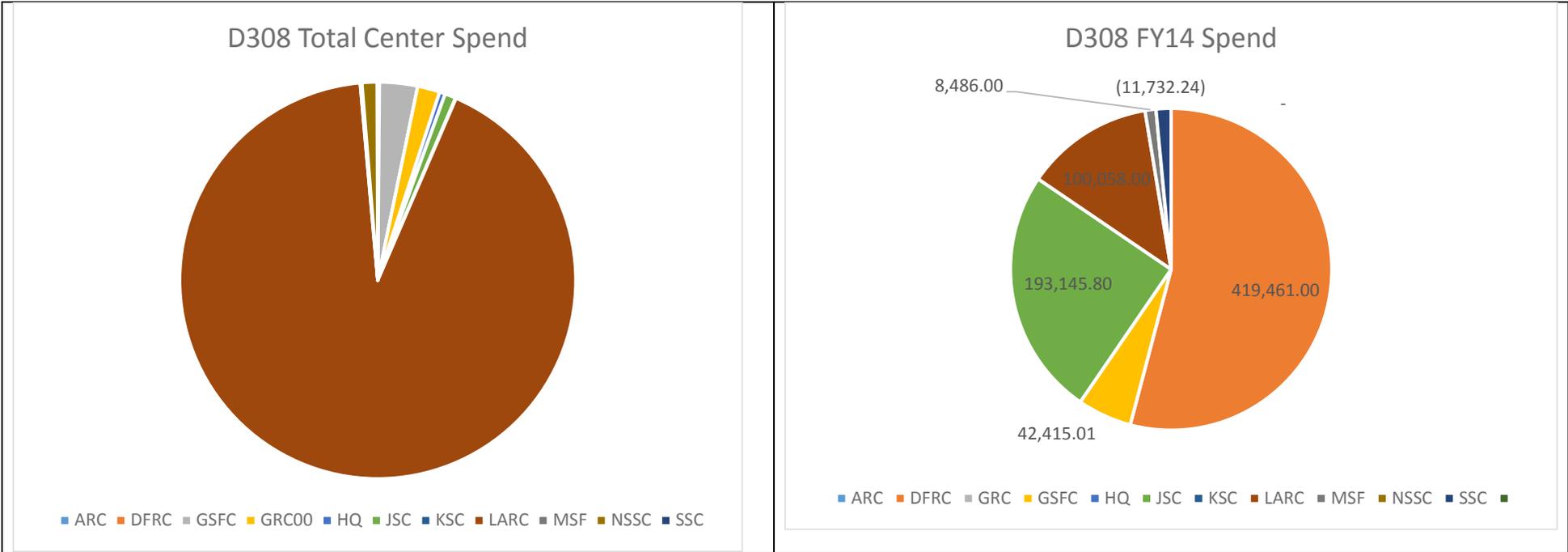
PSC D308 is described as IT and telecom-programming with 81 contracts for FY14 and beyond with 50 awarded to small businesses. All of NASA centers have a contract for IT and telecom-programming, 79 fixed price. There are 55 contractors that currently provides NASA with IT and telecom- programming. In FY14 \$134k was obligated; however, and \$2.8 million is currently obligated for FY15 and beyond. The majority of spend is conducted at LARC. This PSC could be reviewed to determine if NASA could:

- Improve understanding of Agency needs,
- Leverage Agency buying power,
- Reduce product unit prices, or
- Reduce administrative cost

PSC D308								
Center	Blank/Unknown	2009	2013	2014	2015	2016	2017	Total
ARC				-			44,000.00	44,000.00
DFRC			4,825.00	419,461.00	607,569.91			1,031,855.91
GSFC								-
GRC00				42,415.01	543,509.00	20,500.00		606,424.01
HQ					155,019.00			155,019.00
JSC		(4,303.93)		193,145.80				188,841.87
KSC					14,500.00			14,500.00
LARC	30,199,312.00			100,058.00	291,600.00			30,590,970.00
MSF				8,486.00	36,800.00			45,286.00
NSSC					257,961.60	155,349.01		413,310.61
SSC				(11,732.24)				(11,732.24)
Total	30,199,312.00	(4,303.93)	4,825.00	751,833.57	1,906,959.51	175,849.01	44,000.00	33,078,475.16

D308 Yearly Center Spend





PSC D316 is described as IT and telecom-telecommunication and network management with 22 contracts for FY14 and beyond with 7 awarded to small businesses. 6 of NASA centers have a contract for IT and telecom-facility operation and maintenance 76 fixed price. There are 9 contractors that currently provides NASA with IT and telecom- telecommunication and network management. The majority of spend is conducted at GSFC. In FY14 \$9.2 million was obligated and \$82 million is currently obligated for FY15 and beyond. This PSC could be reviewed to determine if NASA could:

- Increase the use of current NASA Strategic Sourcing initiatives,
- Improve understanding of Center needs,
- Leverage Center buying power,
- Increase agency efficiencies,
- Reduce product unit prices, or
- Reduce administrative cost

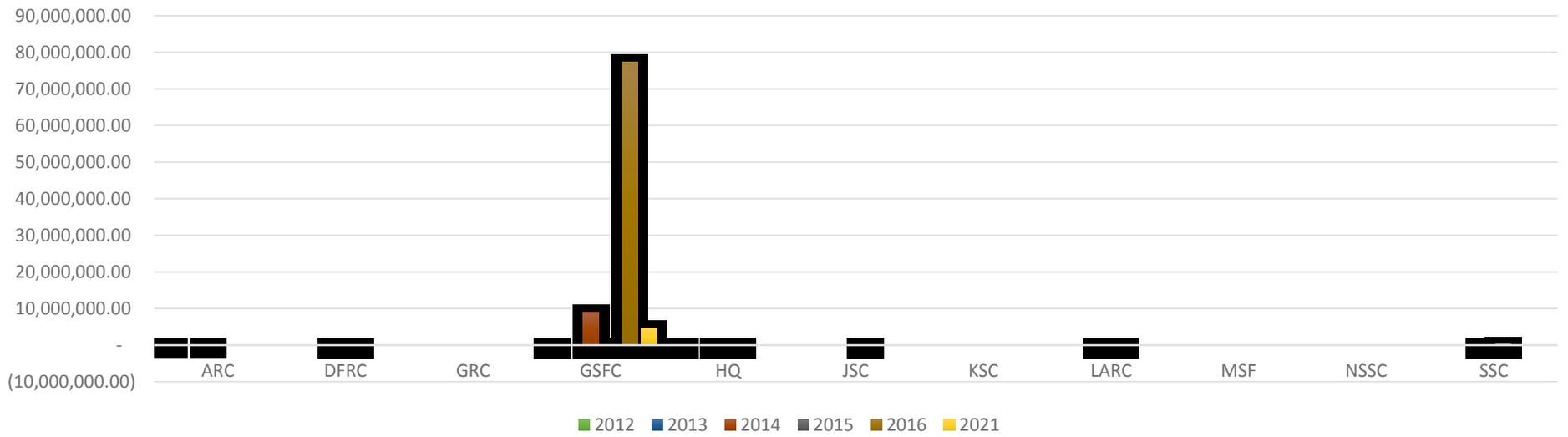
PSC D316

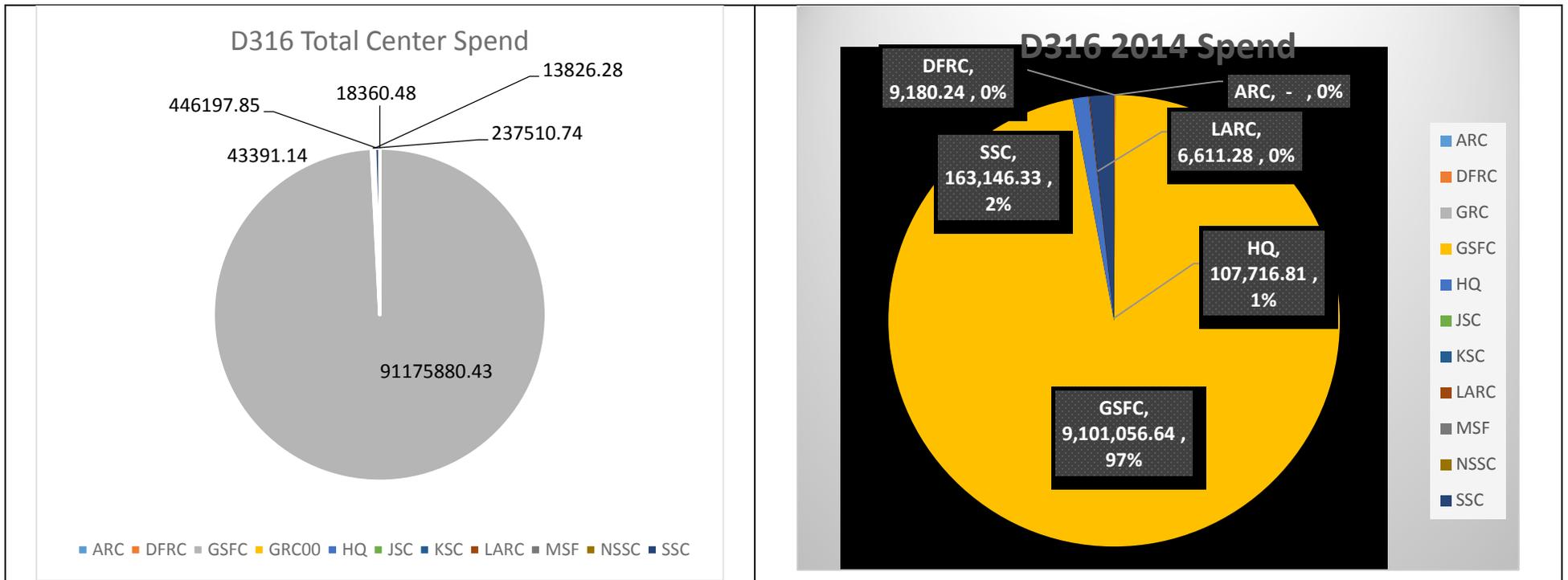
Center	2012	2013	2014	2015	2016	2021	Total
ARC	-		-				-
DFRC			9,180.24	9,180.24			18,360.48
GSFC							-

GRC00	(11,258.82)		9,101,056.64	32,925.00	77,364,136.20	4,689,021.41	91,175,880.43
HQ	(0.77)		107,716.81	129,794.70			237,510.74
JSC				43,391.14			43,391.14
KSC							-
LARC			6,611.28	7,215.00			13,826.28
MSF							-
NSSC							-
SSC			163,146.33	283,051.52			446,197.85
Total	(11,259.59)	-	9,387,711.30	505,557.60	77,364,136.20	4,689,021.41	91,935,166.92



D316 Yearly Center Spend





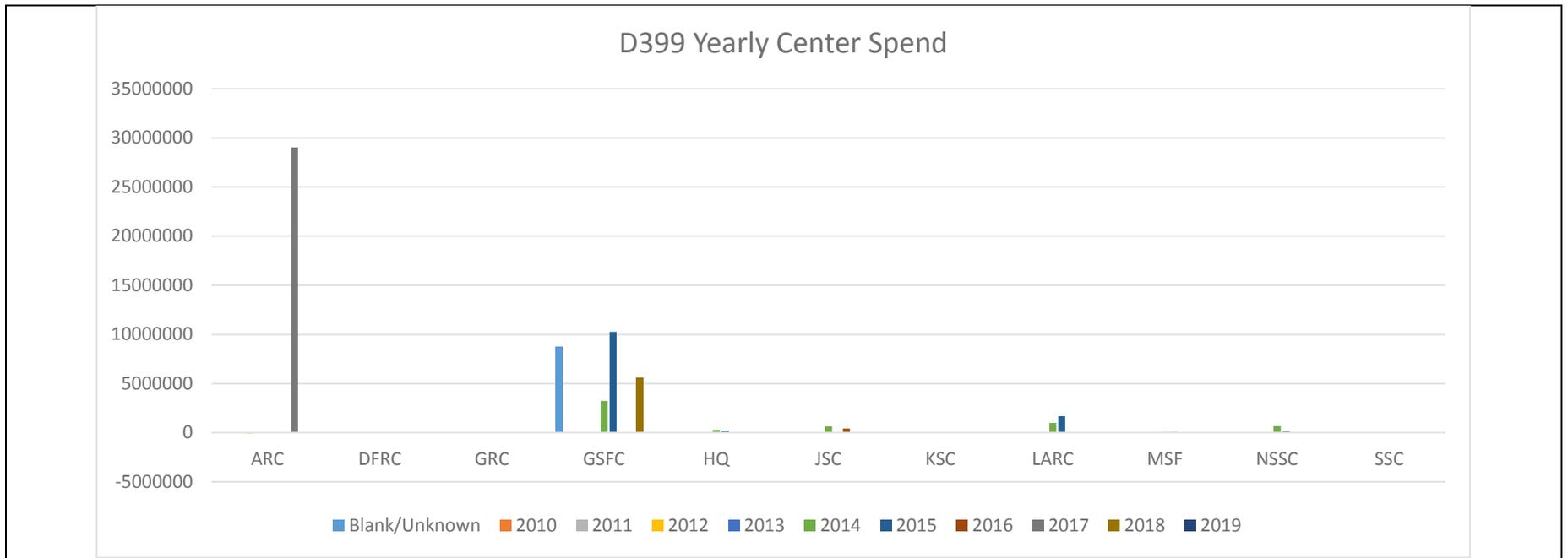
PSC D399 is described as IT and telecom-other IT and telecommunications with 169 contracts for FY14 and beyond with 72 awarded to small businesses. 8 of NASA centers have a contract for IT and telecom- other IT and telecommunications 143 fixed price. There are 82 contractors that currently provides NASA with IT and telecom-other IT and telecommunications. The majority of spend is conducted at ARC and GSFC. In FY14 \$4.4 million was obligated and \$48.9 million is currently obligated for FY15 and beyond. This PSC could be reviewed to determine if NASA could:

- Improve understanding of Agency needs,
- Increase small business participation,
- Leverage Agency buying power,
- Increase agency efficiencies,
- Reduce product unit prices, or
- Reduce administrative cost

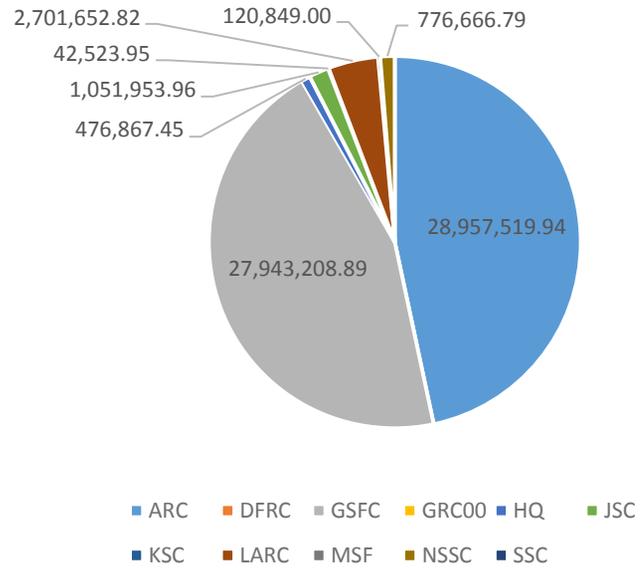
PSC D399

Center	Blank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Dollars
ARC				63,977		5,749			29,027,246			28,957,521
DFRC												-

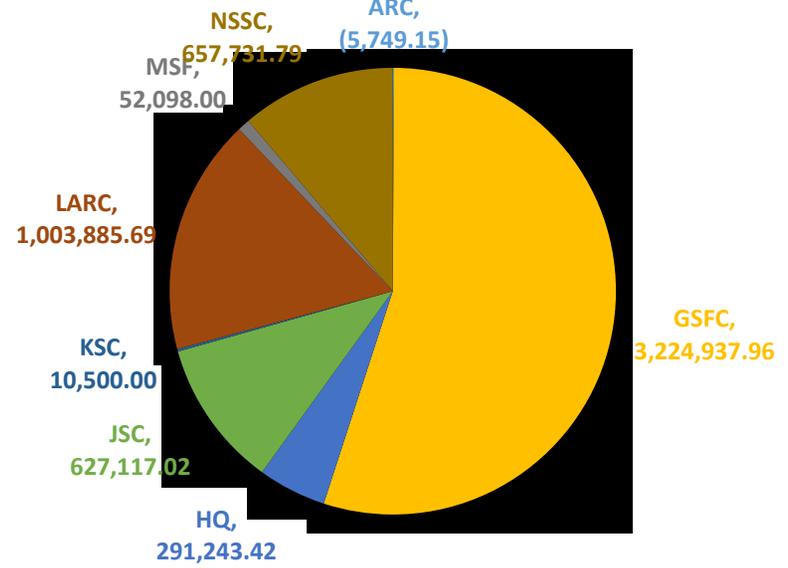
GRC													-
GSFC	8,779,267				34,763	3,224,938	10,256,354		47,887	5,580,000	20,000		27,943,209
HQ				640	28,344	291,243	214,608						476,867
JSC						627,117		424,837					1,051,954
KSC		3,960	66			10,500	28,175	7,875					42,524
LARC					3,824.25	1,003,886	1,682,443	11,500					2,701,653
MSF						52,098	68,751						120,849
NSSC						657,732	118,935						776,667
SSC													28,957,521
Totals	8,779,267	3,960	66	64,617	10,243	5,861,765	12,369,266	444,212	29,075,133	5,580,000	20,000		62,071,243



D399 Total Center Spend

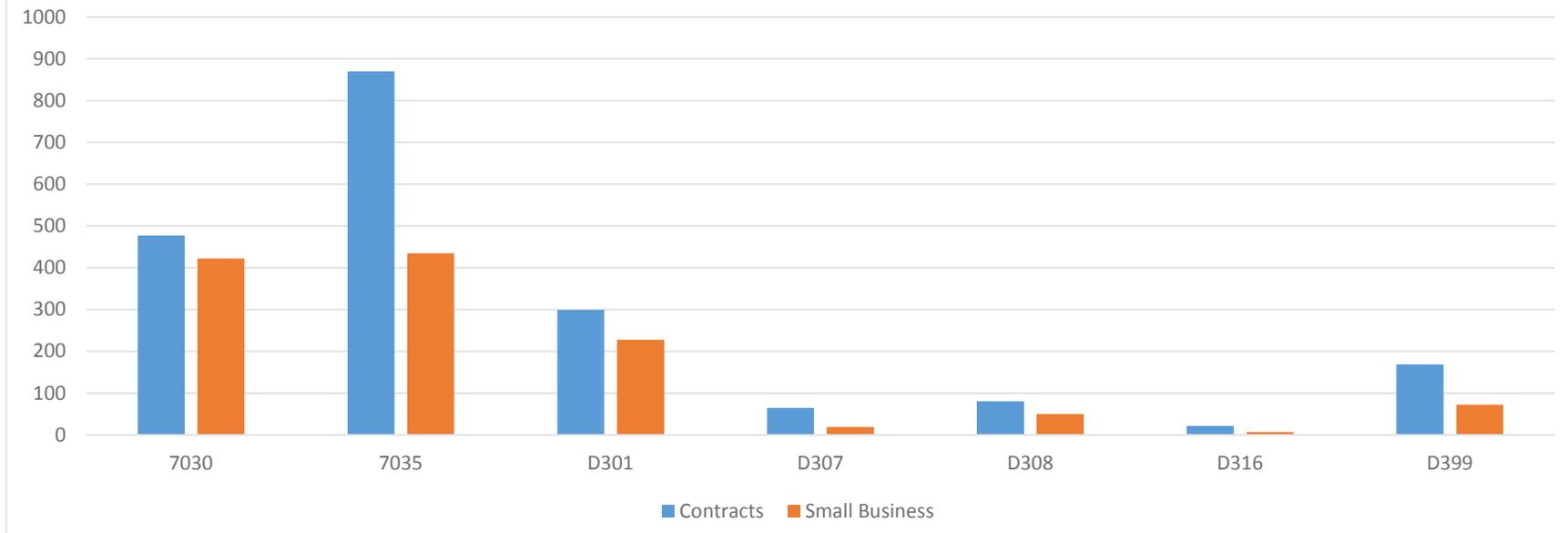


D399 - 2014 SPEND



Summary

Total Contracts and Business Sizes



Reviewing the Top Seven IT Product Service Code for FY14 And Beyond

PSC	Product	Total No. Contracts	Total Centers	Contract Type	Contractors	Total Spend FY 14 & Obligated Out Years	Business Size Based on number of Total Contract
7030	ADP SOFTWARE	447	All Center	446 FP	220	\$1,882.82 \$13,221,541.71	25 Other than Small 422 Small Businesses
7035	ADP SUPPORT EQUIPMENT (SEWP)	85	All Centers	85 FP	32	\$1,531,535.88 \$1,824,962.46	25 Other than Small 60 Small Businesses
7035	ADP SUPPORT EQUIPMENT (Non-SEWP)	785	All Centers	785 FP	107	\$39,001,185.70 \$9,296,877.18	410 Other than Small 375 Small Businesses
D301	IT AND TELECOM- FACILITY OPERATION AND MAINTENANCE	299	8 Centers	102 CR 76 FP	45	\$28,842,886.23 \$155,027,151.78	71 Other than Small 228 Small Businesses
D307	IT AND TELECOM- IT STRATEGY AND ARCHITECTURE	65	9 Centers	47 FP 18 CR	14	\$28,498,550.59 \$88,158,532.64	46 Other than Small 19 Small Businesses
D308	IT AND TELECOM- PROGRAMMING	81	All Centers	79 FP	55	\$134,290.52 \$2,859,179.57	31 Other than Small 50 Small Businesses
D316	IT AND TELECOM- TELECOMMUNICATIONS NETWORK MANAGEMENT	22	6 Centers	15 FP	9	\$9,290,770.98 \$82,655,655.53	15 Other than Small 7 Small Businesses
D399	IT AND TELECOM- OTHER IT AND TELECOMMUNICATIONS	169	8 Centers	143 FP	82	\$4,453,652.53 \$48,972,203.29	97 Other than Small 72 Small Businesses

