



## ***LAUSD Capital Program Update***

***Chief Facilities Executive, Mark Hovatter***

***September 22, 2021***





***Examples of  
Recent/Ongoing Work:  
Comprehensive  
Modernization Project  
Updates***

Sherman Oaks Center for Enriched Studies (SOCES) Comprehensive Modernization Project

New Elementary School Building Atrium

# Sherman Oaks Center for Enriched Studies (SOCES) Comprehensive Modernization Project



**New Gymnasium Basketball Courts**



**New Gymnasium Weight Training Room**

# Grant High School Comprehensive Modernization Project



**Canopy Walkway Under Construction**

# Roosevelt High School Comprehensive Modernization Project



**New Gymnasium Building**



**New Classroom Building**

# Elizabeth Learning Center Comprehensive Modernization Project



**Gymnasium HVAC and Roof Installation**



**HVAC Duct and Unit Installation**

# Elizabeth Learning Center Comprehensive Modernization Project cont.

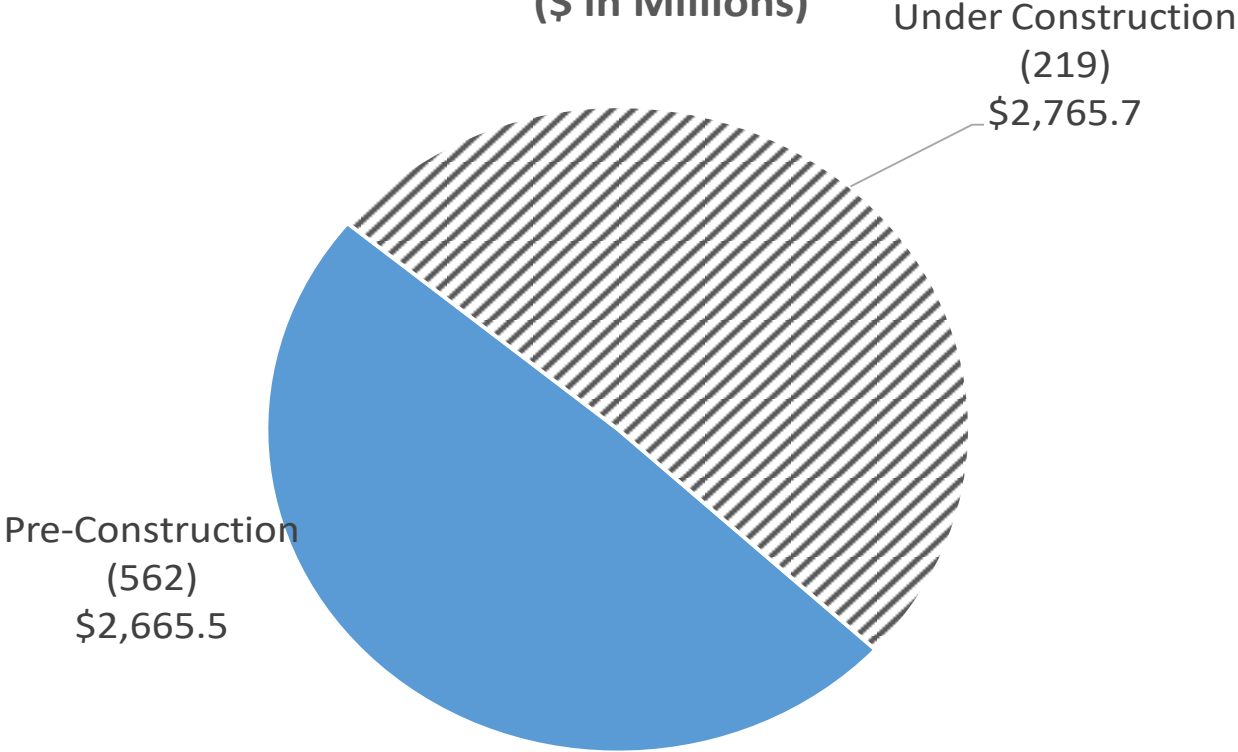


**HVAC Duct Work in Gym**

# Facilities Managed Bond Program Update

## Active Project Status Overview

(\$ in Millions)



Status (Count)	Budget as of 7/31/21 (in Millions)
Pre-Construction (562)	\$2,665.5
Under Construction (219)	\$2,765.7
<b>Total</b>	<b>\$5,431.2</b>



# LAUSD Bond Program

*(excluding Measure RR)*

- **More Than 131 New Schools Built**

- Ended year-round calendars and mandatory busing of students outside of their neighborhood

- **Nearly 23,100 Rehabilitation, Modernization and Replacement Projects have been Completed**

- Approximately 1,000 roofing projects at 560 schools
- Approximately 650 fire alarm system projects at 500 schools
- Approximately 1,500 HVAC projects at 620 schools
- Approximately 2,150 Electrical and Lighting Projects at 745 schools
- Completed Districtwide drinking water quality program bringing all drinking fountains below 15 parts per billion of lead

- **Generated Jobs and Stimulated the Economy**

- More than 350,000 construction-related jobs created
- More than \$1 Billion in state and local tax revenues
- More than \$1 Billion in wages

*Measure RR*

# Measure RR Overview

Approved by 71% of the voters in November 2020 to address the significant and unfunded needs of Los Angeles public school facilities

Provides Los Angeles Unified with authority to issue \$7 billion of general obligation bonds

Funding will support continued efforts to upgrade, modernize and replace aging and deteriorating school facilities, update technology, and address facilities inequities

Bond proceeds may only be used for “the construction, reconstruction, rehabilitation, or replacement of school facilities...” – they cannot be used for teacher administrative salaries and other school operating expenses



# Major Modernizations/Upgrades/Reconfigurations

*Spending Target Available for Projects: \$2.39B*

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## **Upgrade +/- 2,300 classrooms at ~50 schools**

- Projectors and whiteboards
- Flexible furniture
- Electrical upgrades & additional outlets
- Window blinds
- Interior paint
- Removal of asbestos floor tiling

*The work will not include new lighting, the moving of walls or tearing down of ceilings*

**Investment:** +/- \$350M anticipated

**Prioritization:** Each LD, working with Facilities, and in consultation with stakeholders selects schools

- \$175M distributed evenly -- ~\$29.17M for each LD to allocate to projects “now”
- \$175M distributed in subsequent years based on student and/or facilities equity index at the time

# Major Modernizations/Upgrades/Reconfigurations

*Spending Target Available for Projects: \$2.39B*

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## Safe and Welcoming Outdoor Learning Spaces Projects

- Removal of relocatable buildings (no replacement)
- Creation of ~2,000 square foot outdoor learning spaces
  - Attractive landscape (trees & pavers)
  - Shaded seating areas
  - Internet connectivity
  - Water/sink if infrastructure is already in place
  - Accessibility improvements
- **Investment:** +/- \$50M anticipated; with possible third-party funding to expand investments
- **Prioritization:** Projects will be identified annually based on an assessment of various datasets, such as, amount of play area and green space, underutilized relocatable classrooms, and limited accessibility to a public park (more than a 10-minute walk)

# Major Modernizations/Upgrades/Reconfigurations

*Spending Target Available for Projects: \$2.39B*

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## Classroom Replacement Projects at ~12 schools

- Removal/demolition of uncertified portables & those w/structural deficiencies and failing building systems
  - Construction of permanent classroom buildings – general and specialty classrooms and labs
  - Accessibility upgrades
  - Various site upgrades including landscaping/greening
  - Exterior paint on all buildings
- 
- **Investment:** +/- \$720M anticipated
  - **Prioritization:** Assessment of sites reliance on portable classroom buildings that are not certified by the Division of the State Architect and/or have structural deficiencies

Each Local District, in collaboration with stakeholders, will select two sites from the Facilities generated list

# Major Modernizations/Upgrades/Reconfigurations

Spending Target Available for Projects: \$2.39B

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## Major Modernizations at 7 schools

- Address earthquake safety
  - Provide 21<sup>st</sup> century general and specialty classrooms
  - Accessibility upgrades
  - Failed/failing building systems and grounds addressed
  - Site landscaping
  - Various site upgrades
  - Removal of portables
  - Multi-phased approach
- **Investment:** +/- \$840M anticipated
  - **Prioritization:** Sites deemed to be in the greatest need based on an assessment of 10 weighted facilities-based datasets that best express a school's physical condition

Each Board Member, in collaboration with their Local District and Community of Schools, selects one site from the top 10% of sites with the greatest need

Buildings FCI	Seismic Risk	Grounds FCI	Library Square Footage Adequacy	Assembly Square Footage Adequacy	Food Services Square Footage Adequacy	Play Acreage Adequacy	Portable versus Permanent Classrooms	Secure Entrance	Site Density
26.23%	21.31%	13.11%	5.94%	5.94%	5.94%	5.94%	5.19%	5.19%	5.19%

# Major Modernizations/Upgrades/Reconfigurations

*Spending Target Available for Projects: \$2.39B*

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## Campus Upgrades and Alterations

- **Investment:** +/- \$50M anticipated
- **Prioritization:** Projects shall be identified in response to local, Community of Schools and/or Local District efforts to reconfigure and/or unify schools and programs

## Projects Previously Authorized for Pre-Construction Activities

- **Investment:** +/- \$265M anticipated
- **Prioritization:** Projects already identified -- eight classroom replacement projects at: Amestoy ES, Canyon ES, Castle Heights ES, Delevan Drive ES, Dixie Canyon, Franklin ES, Ivanhoe ES, South Shores ES



# Critical Replacements and Upgrades of School Building/Site Systems & Components

*Spending Target Available for Projects: \$1.27B*

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## Replace failing building systems that create safety concerns and are disruptive to school operations

- Plumbing
  - HVAC
  - Roofing
  - Paving
  - Synthetic turf
- **Investment:** +/- \$800M anticipated
  - **Prioritization:** Systems in the worst condition, especially those that pose a safety hazard and/or will negatively impact school operations and other building systems if not addressed, will be addressed first

While projects will be identified based on condition, staff may, from time to time, solicit input from Local Districts, Community of Schools and Board Members on non-condition-based factors that could assist with the identification and/or development of a project

# Critical Replacements and Upgrades of School Building/Site Systems & Components

*Spending Target Available for Projects: \$1.27B*

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## Playground and Campus Exterior Upgrades at ~50 elementary schools

- Replace and upgrade asphalt playgrounds and other areas
  - Install landscaping, trees, and greening
  - Cool coating painting in playground area(s)
  - Exterior paint on all buildings
  - Install privacy fencing
- 
- **Investment:** +/- \$200-\$300M anticipated
  - **Prioritization:** Sites will be selected based on the condition of the playground asphalt (worst)

Local Districts, in consultation with stakeholders, could select which site(s) are prioritized to be addressed first

# School Upgrades and Reconfigurations to Support Wellness, Health, Athletics, Learning and Efficiency

*Spending Target Available for Projects: \$274M*

## Upgrade high school competitive athletic facilities

- **Investment:** +/- \$180M anticipated
  
- **Prioritization:** Each Board Member, in consultation with stakeholders, works with Facilities staff to develop a plan for athletic upgrades

The allocation of funds is based on the proportionate share of high school enrollment and number of sports teams.

- *Projects will not require the purchase of land or removal/replacement of other buildings that require replacement*

Allocation for High School Competitive Athletic Upgrades									
BD	Enrollment (50%)			Sports Teams (50%)			Total		
	Count	%	Allocation	Count	%	Allocation			
1	11,523	8.9%	\$8,021,022	234	11.3%	\$10,154,291	\$18,175,313	10.1%	
2	25,582	19.8%	\$17,807,323	365	17.6%	\$15,838,959	\$33,646,281	18.7%	
3	17,254	13.3%	\$12,010,302	245	11.8%	\$10,631,630	\$22,641,932	12.6%	
4	11,433	8.8%	\$7,958,374	192	9.3%	\$8,331,726	\$16,290,100	9.1%	
5	21,404	16.6%	\$14,899,067	374	18.0%	\$16,229,508	\$31,128,575	17.3%	
6	20,050	15.5%	\$13,956,564	345	16.6%	\$14,971,070	\$28,927,635	16.1%	
7	22,048	17.1%	\$15,347,348	319	15.4%	\$13,842,816	\$29,190,164	16.2%	
	129,294	100.0%	\$90,000,000	2074	100.0%	\$90,000,000	\$180,000,000	100.0%	

# Critical Replacements and Upgrades of School Building/Site Systems & Components

*Spending Target Available for Projects: \$1.27B*

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## Create Secure Entrances at ~300 elementary schools

- Install camera/buzzer at visitor entrance/office
- **Investment:** +/- \$15M anticipated
- **Prioritization:** All elementary school sites that do not have a secure entrance

## Wellness Centers - Phase 3

- **Investment:** +/- \$50M anticipated
- **Prioritization:** Assessment of existing healthcare resources in relation to areas of highest need determined by health, economic, and neighborhood factors

## SEEDS – Sustainable School Gardens

- **Investment:** +/- \$5M anticipated, ~\$100,000 each
- **Prioritization:** Identified through proposals submitted by partners and/or schools -- projects must be integrated into the curriculum and resources available to outfit and maintain the outdoor learning space

# **School Upgrades and Reconfigurations to Support Wellness, Health, Athletics, Learning and Efficiency**

*Spending Target Available for Projects: \$274M*

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## **Projects Previously Authorized for Pre-Construction Activities**

- **Investment:** +/- \$30M anticipated
- **Prioritization:** Projects already identified -- Wilson HS VAPA Facilities Improvement Project and Verdugo Hills HS New Chemistry Laboratory Building

## **Projects to Support Implementation of Partner Funded Programs/Projects**

- **Investment:** +/- \$5M anticipated
- **Prioritization:** Identified, as necessary, to support implementation of partner funded programs/projects which may require funding assistance to address necessary unforeseen conditions and/or code requirements -- a formal process and guidelines will be developed

# ADA Transition Plan Implementation

*Spending Target Available for Projects: \$357M*

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## Accessibility Enhancements

- **Prioritization:** Schools are prioritized based on:
  - Number of students with disabilities or parents/guardians with disabilities
  - Geographic distribution by Local District
  - Matriculation patterns

## Rapid Access Program

- **Prioritization:** Developed by Facilities in consultation with the Division of Special Education and school administrators in response to an individual student's need for programmatic access

# **School Cafeteria Upgrades**

*Spending Target Available for Projects: \$162M*

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## **Installation of HVAC in 130 +/- school cafeterias anticipated**

- **Prioritization:** Heat index

## **Replace and upgrade Cafeteria Management System**

- **Prioritization:** All schools anticipated to receive upgraded system

## **Modernize serving line areas in up to 87 secondary school sites**

- **Prioritization:** Maximum participation rates

## **Exploration of a possible central food production facility**

# **Early Childhood Education Facilities Upgrades & Expansions**

*Spending Target Available for Projects: \$108M*

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## **Construction of 30 +/- outdoor classrooms**

- **Prioritization:** Proximity and access to public green space areas that are safe

## **Replace failing building systems projects that create safety concerns and are disruptive to school operations**

- **Prioritization:** Remaining service life and condition -- systems in the worst condition will be addressed first

## **Upgrades, expansions, and/or additions of early childhood education centers and/or underutilized elementary schools to create additional capacity**

- **Prioritization:** TBD



# Adult and Career Education Facilities Upgrades

*Spending Target Available for Projects: \$108M*

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## Wireless convergence systems and computing devices

- **Prioritization:** Goal is to address all sites, prioritization likely based on an assessment of enrollment and access

## Replace failing building systems that create safety concerns and are disruptive to school operations

- **Prioritization:** Remaining service life and condition -- systems in the worst condition will be addressed first

## Upgrades, expansions, and/or additions to existing centers and locations to expand career technical program offerings and/or enrollment

- **Prioritization:** Program demands, enrollment, and condition of facilities

# Charter School Facilities Upgrades and Expansions

*Spending Target Available for Projects: \$374M*

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## **Prop 39 (Ed Code Sec 47614) annual renovation projects**

- **Prioritization:** Projects are developed annually in response to charter schools that submitted a legally sufficient facilities request, pursuant to Proposition 39, to the District and may locate on District school sites each year.

## **Proposition 39 co-location campus upgrade program**

- **Prioritization:** Annually, District school sites with a new Proposition 39 charter co-location are prioritized for an upgrade project. Projects valued at up-to \$100,000 are selected by both the principal of the District school and the co-located charter school.

## **Replace building systems and components**

- **Prioritization:** TBD, subject to assessment of the conditions and needs of the building systems and components of District facilities operated by a charter school(s), input from charter school community, and development of an implementation plan by District staff.

## **Update school technology systems and equipment**

- **Prioritization:** TBD, subject to assessment of the conditions and needs of technology infrastructure and equipment at Los Angeles Unified school facilities operated by a charter school(s), input from charter school community, and development of an implementation plan by District staff.

## **Upgrade/modernize buildings and campuses**

- **Prioritization:** TBD, subject to assessment of the conditions and needs of Los Angeles Unified school facilities operated by a charter school(s), input from charter school community, and development of an implementation plan by District staff.

## **Augmentation grant program**

- **Prioritization:** TBD, subject to assessment of the conditions and needs of Los Angeles Unified school facilities operated by a charter school(s), input from charter school community, and development of an implementation plan by District staff.

## Technology Infrastructure and System Upgrades \$597.5M

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Replace outdated and/or install new network, telephone, public address, intercommunications and security systems at schools

- **Investment:** +/- \$597.5M
- **Prioritization:** Sites selected based on SAFETI assessment: System Condition, Available Parts, Failure Rates, End-of-Support, Technology Options and Incidents

# Upgrade/Equip Schools with 21<sup>st</sup> Century Technology \$182.5M

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## Refresh all student devices that reach end of life

- **Investment:** +/- \$105M
- **Prioritization:** Age of device

## Upgrade IT Infrastructure and Core Network Upgrades to ensure schools can support 21<sup>st</sup> century technology and learning spaces

- **Investment:** +/- \$45.3 M
- **Prioritization:** IT Infrastructure upgrades required to facilitate instructional program

## Modernize District's application portfolio and begin migration to the Cloud

- **Investment:** +/- \$32.2M
- **Prioritization:** Alignment with Strategic Plan

## **2021-2022 Lookahead**

### *Measure RR Related Work*

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- Begin work to identify site specific projects and develop project proposals, including working with stakeholders, as appropriate
- Anticipate presenting various project proposals to the Board, including, but not limited to:
  - 7 major modernization project proposals (Fall 2021)
  - Projects previously authorized for pre-construction activities (Fall 2021)
  - 12 classroom replacement project proposals (2022)
  - Critical building system replacements: (monthly)
  - ADA accessibility enhancement projects (quarterly)
- First issuance of Measure RR bonds anticipated in Fall 2021

# LAUSD Clean Energy Initiative Summary

## Goals

Generate all electricity from clean energy sources by 2030

Convert all fossil fuel systems to clean energy sources by 2040

## Pathway

Work in concert with LADWP whose goal is to reach 100% clean energy by 2045

Current photovoltaic pilot of seven (7) schools

Additional 30 school sites planned for solar energy RFPs over the next five years

Anticipate releasing RFPs for solar energy for 50 additional schools prior to 2030



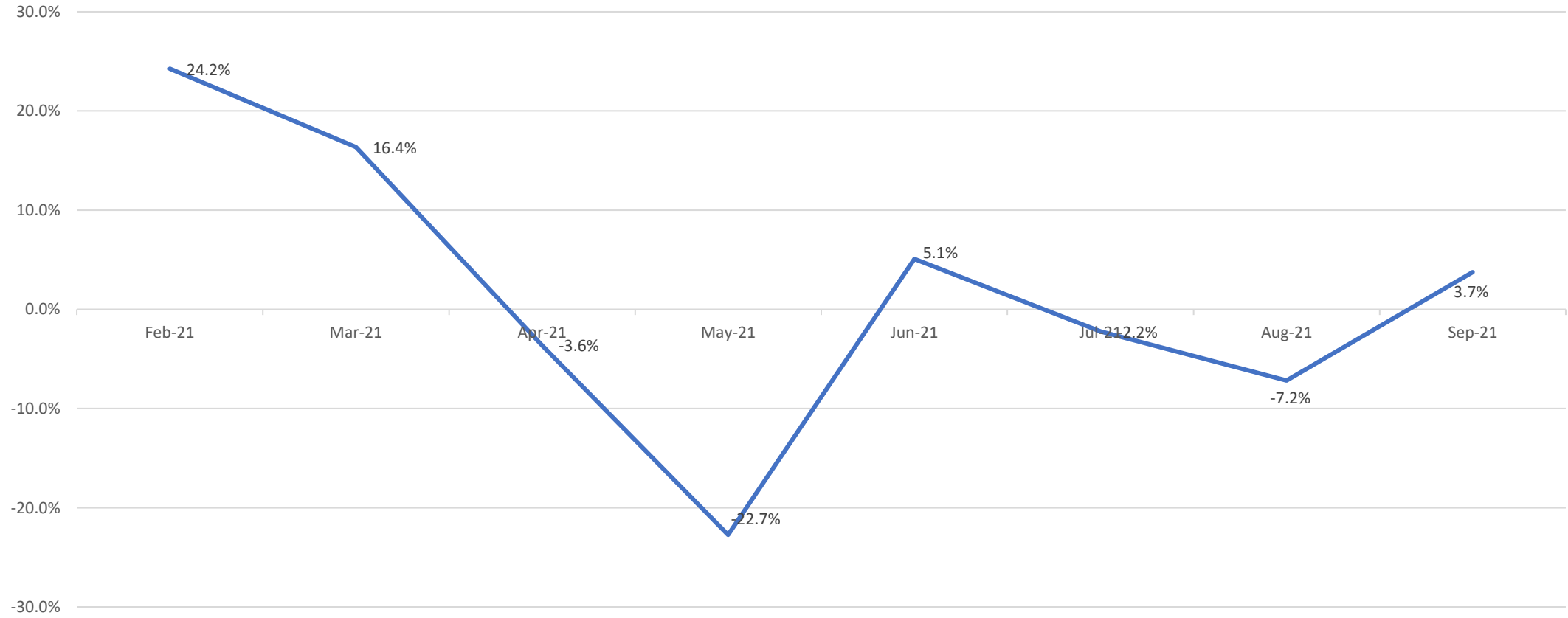
# *Contract/Bid Data*

### Difference Between (Pending) Contract Award and Bid Estimates in 2021

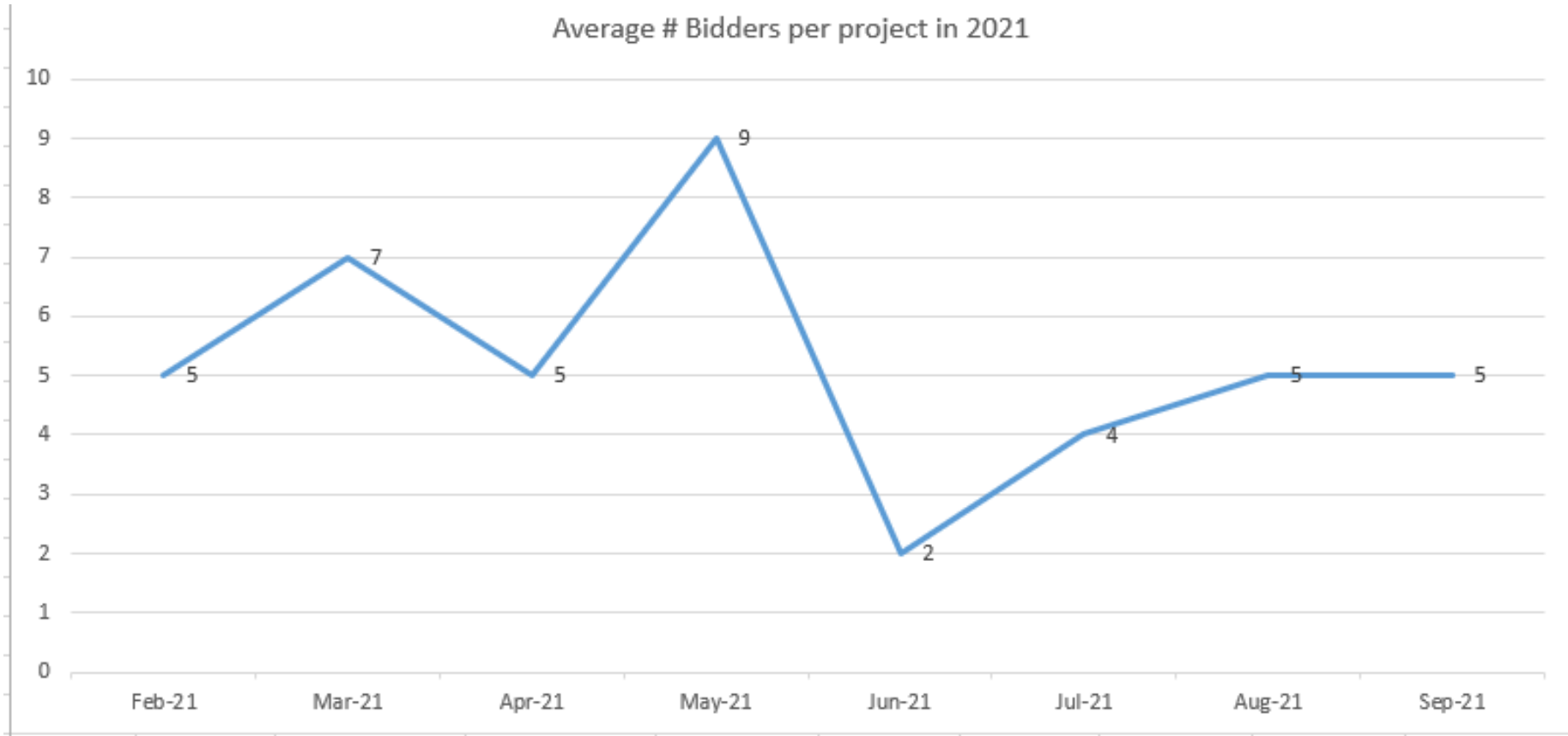
Bid Open Month	# Projects	Average Bid Estimate	Average Contract Award	% Difference	Average # Bidders per project
Feb-21	1	\$4,869,530	\$6,050,000	24.2%	5
Mar-21	4	\$38,047,472	\$44,269,250	16.4%	7
Apr-21	1	\$9,893,729	\$9,536,000	-3.6%	5
May-21	1	\$1,014,517	\$784,000	-22.7%	9
Jun-21	1	\$825,829	\$867,756	5.1%	2
Jul-21	9	\$2,792,571	\$2,730,332	-2.2%	4
Aug-21	6	\$5,165,344	\$4,794,800	-7.2%	5
Sep-21	4	\$8,995,485	\$9,332,776	3.7%	5
<b>Total</b>	<b>27</b>	<b>\$260,900,632</b>	<b>\$284,987,648</b>	<b>9.2%</b>	
	<b>Average</b>	<b>\$9,662,986</b>	<b>\$10,555,098</b>		<b>4.9</b>



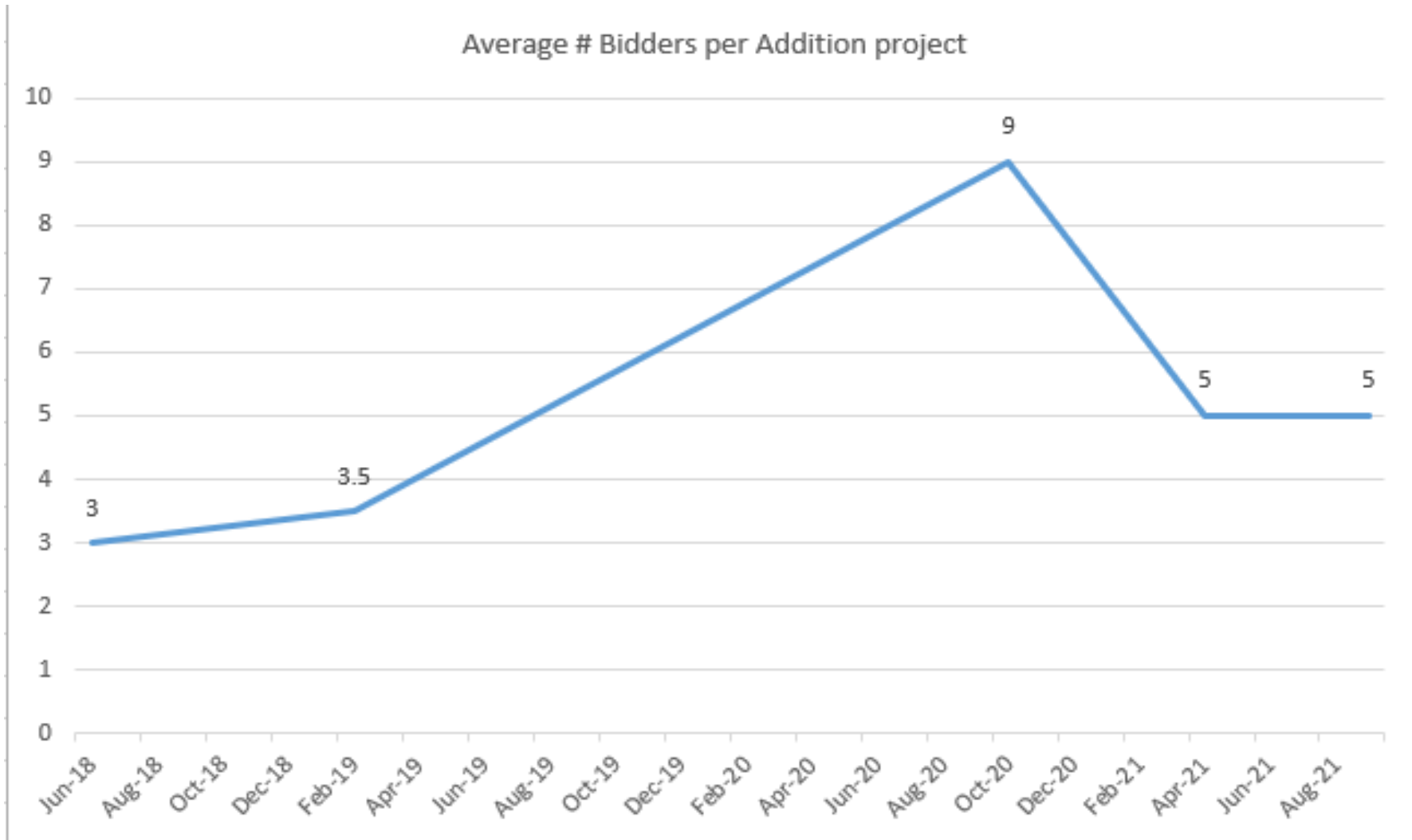
## % Difference between Contract Award and Bid Estimate in 2021

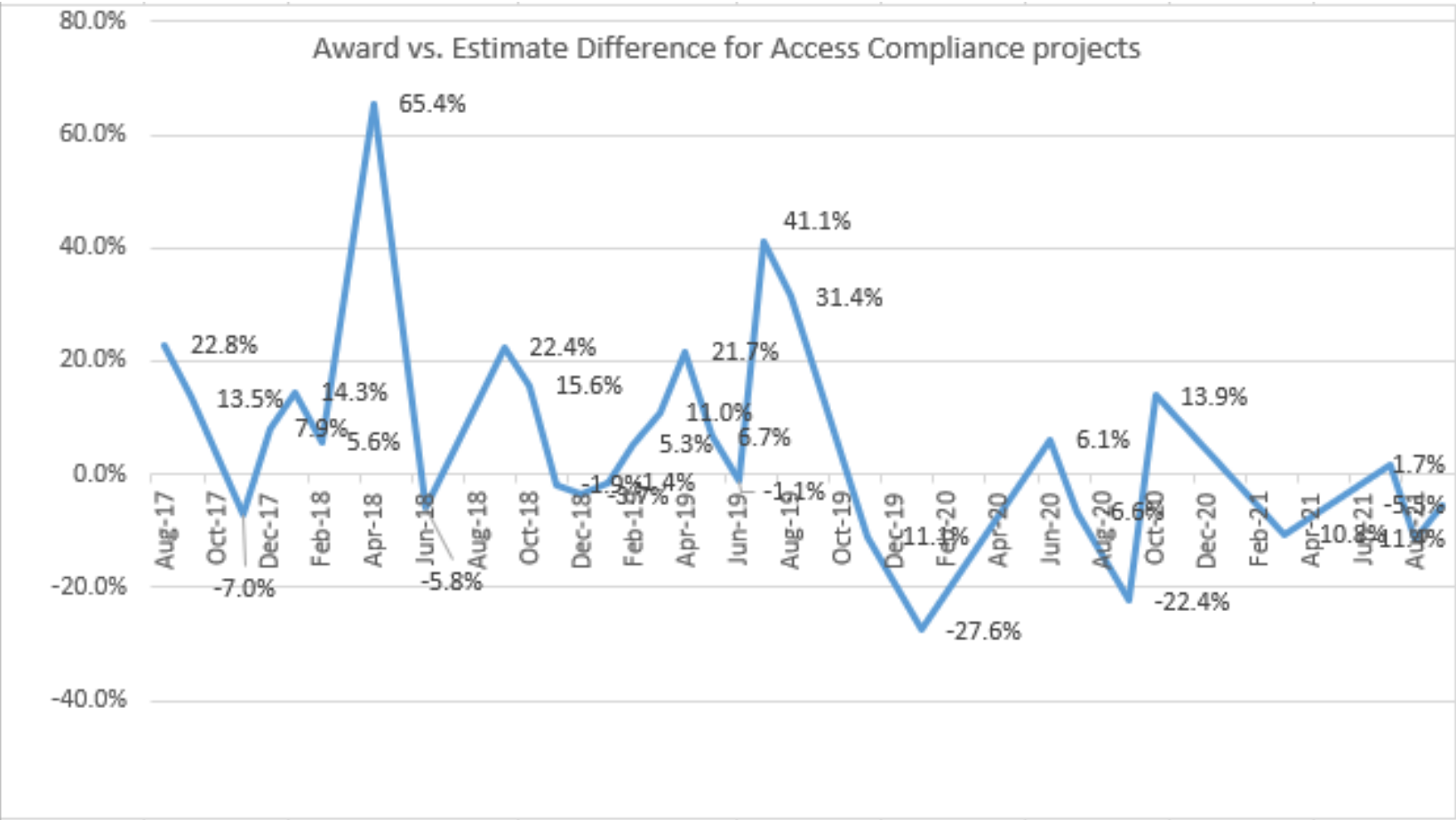


Average # Bidders per project in 2021

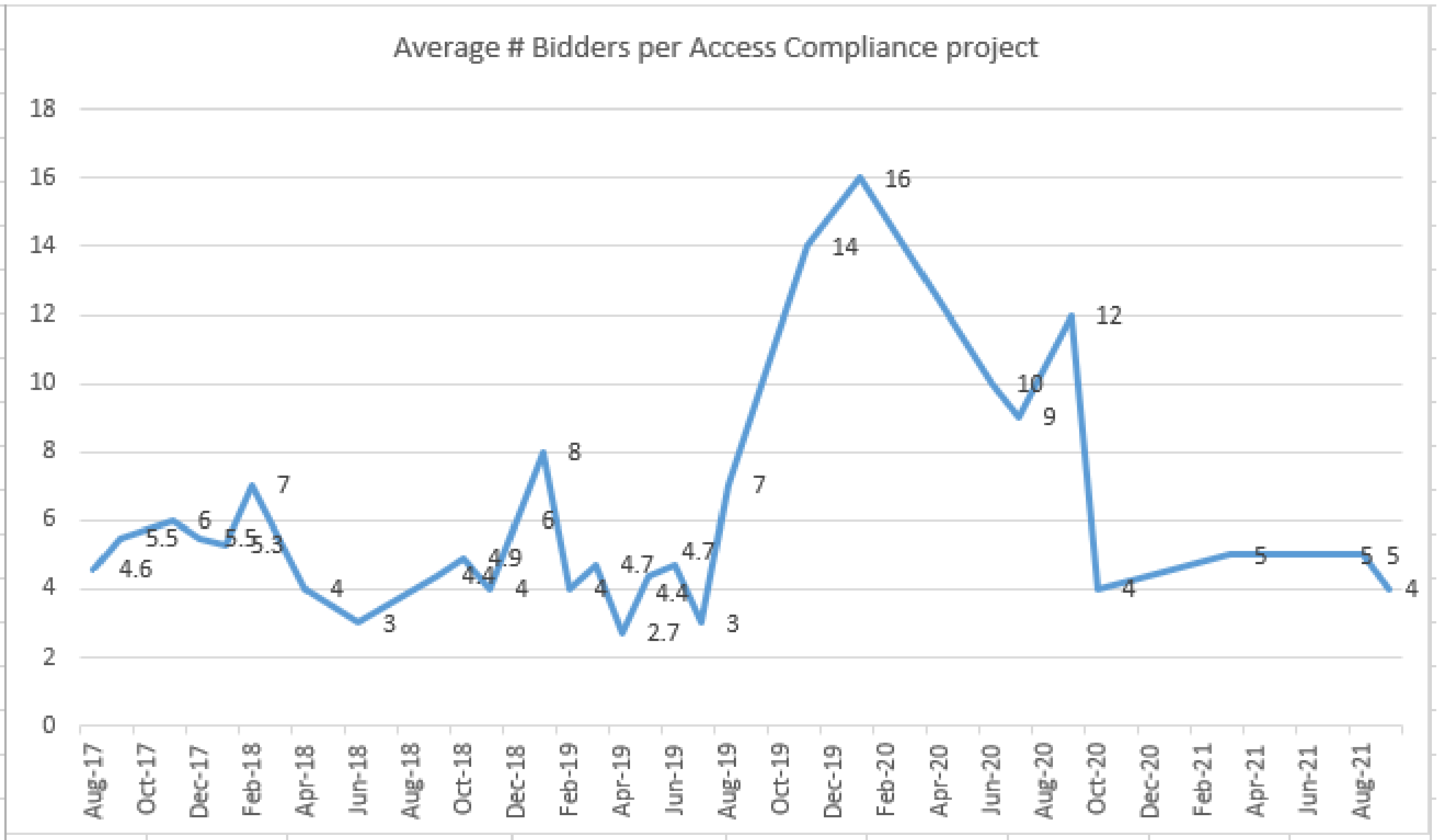


Average # Bidders per Addition project



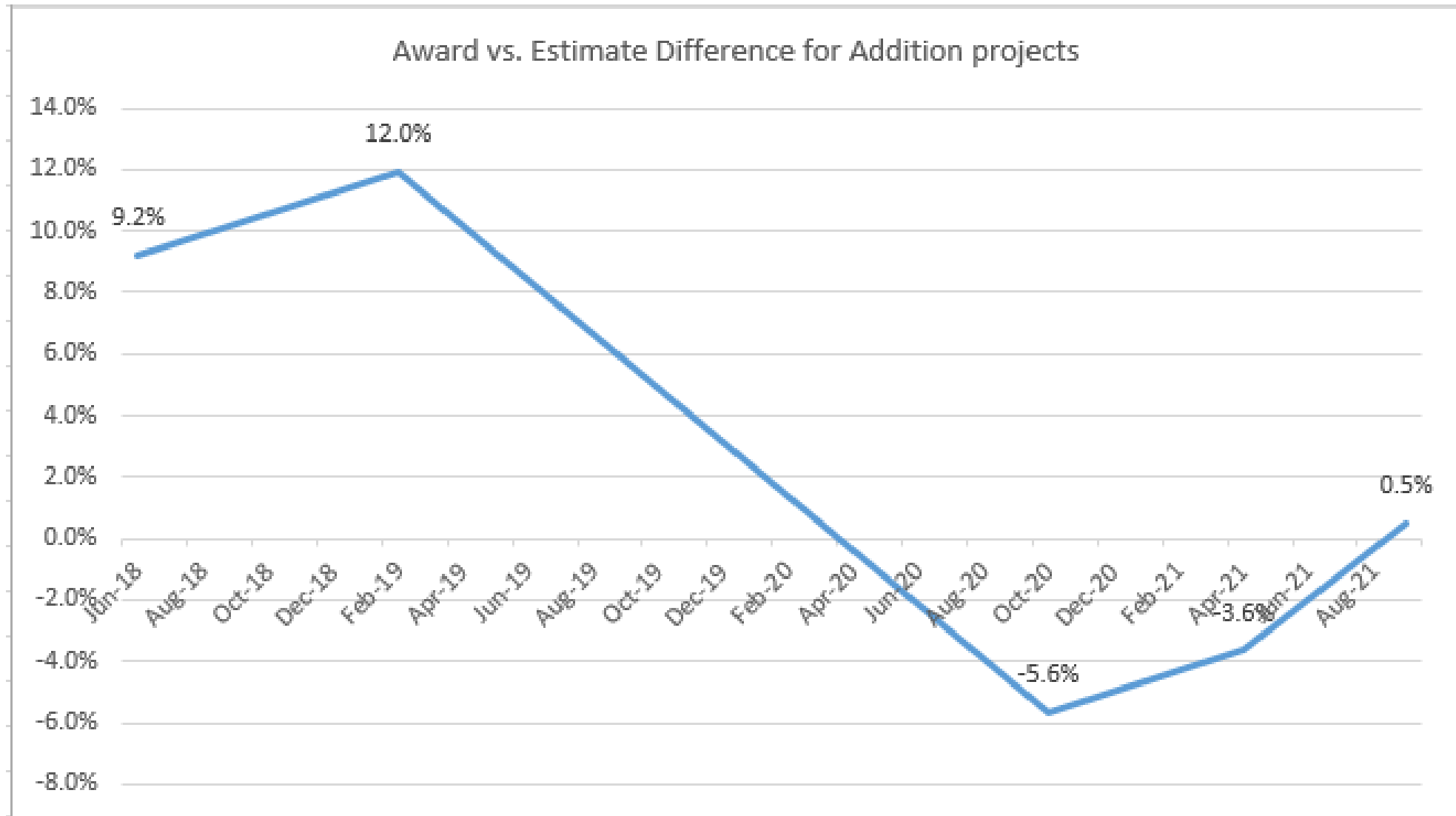


Average # Bidders per Access Compliance project



<b>ADDITION</b>					
Bid Open Month	# Projects	Average Bid Estimate	Average Contract Award	% Difference	Average # Bidders per project
Jun-18	1	\$21,628,992	\$23,627,000	9.2%	3
Feb-19	2	\$1,548,516	\$1,733,610	12.0%	3.5
Oct-20	2	\$3,741,402	\$3,530,188	-5.6%	9
Apr-21	1	\$9,893,729	\$9,536,000	-3.6%	5
Sep-21	1	\$19,186,461	\$19,281,046	0.5%	5
<b>Total</b>	<b>7</b>				
	<b>Average</b>	<b>\$8,755,574</b>	<b>\$8,995,949</b>	<b>2.7%</b>	<b>5</b>

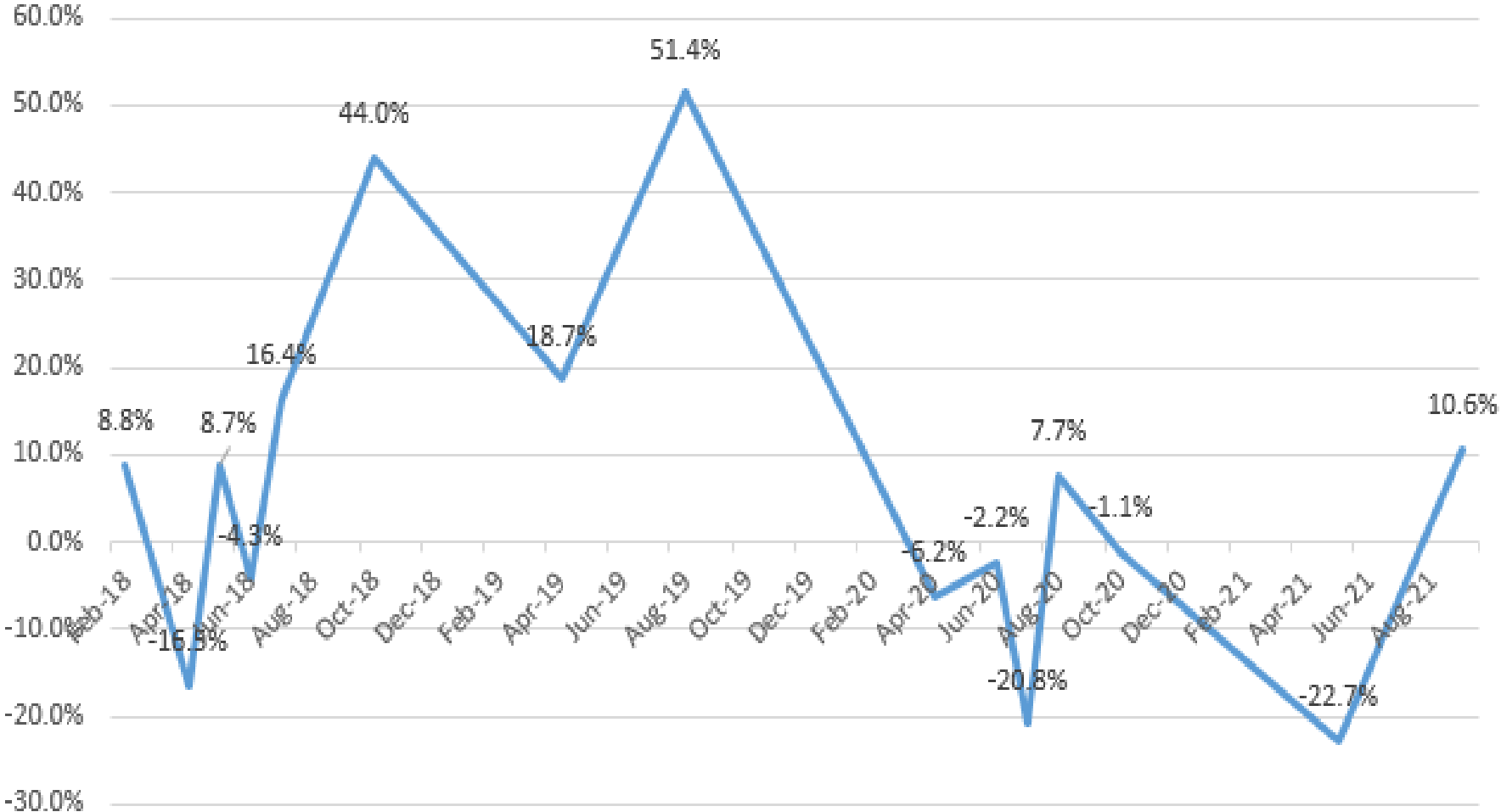
Award vs. Estimate Difference for Addition projects



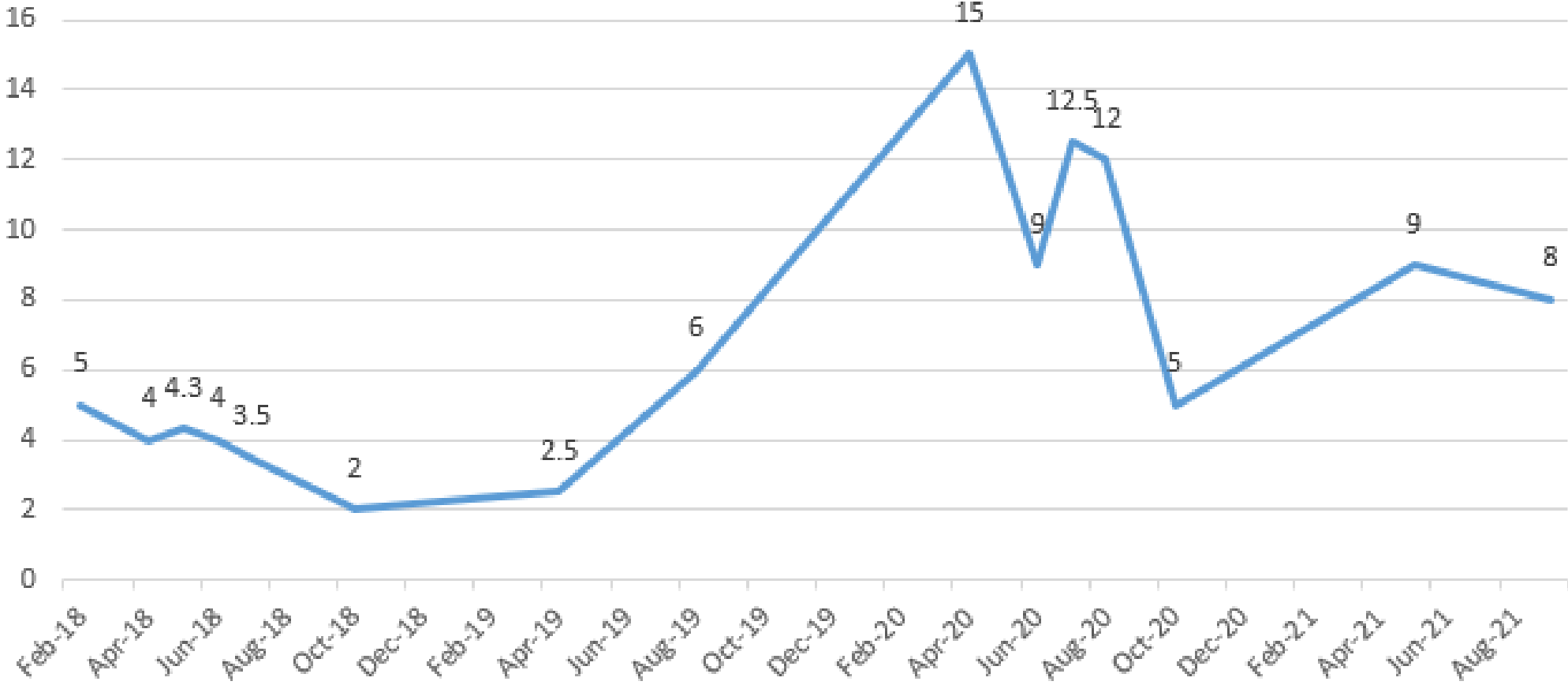
<b>CAMPUS IMPROVEMENT</b>					
<b>Bid Open Month</b>	<b># Projects</b>	<b>Average Bid Estimate</b>	<b>Average Contract Award</b>	<b>% Difference</b>	<b>Average # Bidders per project</b>
Feb-18	1	\$1,282,000	\$1,395,000	8.8%	5
Apr-18	1	\$837,837	\$699,700	-16.5%	4
May-18	3	\$2,236,904	\$2,432,333	8.7%	4.3
Jun-18	2	\$751,802	\$719,600	-4.3%	4
Jul-18	2	\$10,286,073	\$11,970,500	16.4%	3.5
Oct-18	1	\$946,677	\$1,363,000	44.0%	2
Apr-19	2	\$2,218,686	\$2,632,750	18.7%	2.5
Aug-19	1	\$1,241,823	\$1,880,000	51.4%	6
Apr-20	1	\$3,223,205	\$3,023,000	-6.2%	15
Jun-20	1	\$1,380,964	\$1,350,000	-2.2%	9
Jul-20	2	\$1,201,780	\$951,700	-20.8%	12.5
Aug-20	1	\$1,576,315	\$1,697,000	7.7%	12
Oct-20	1	\$4,978,334	\$4,925,000	-1.1%	5
May-21	1	\$1,014,517	\$784,000	-22.7%	9
Sep-21	1	\$1,038,603	\$1,149,000	10.6%	8
<b>Total</b>	<b>21</b>				
	<b>Average</b>	<b>\$2,530,841</b>	<b>\$2,767,229</b>	<b>9.3%</b>	<b>6.3</b>



Award vs. Estimate Difference for Campus Improvement projects



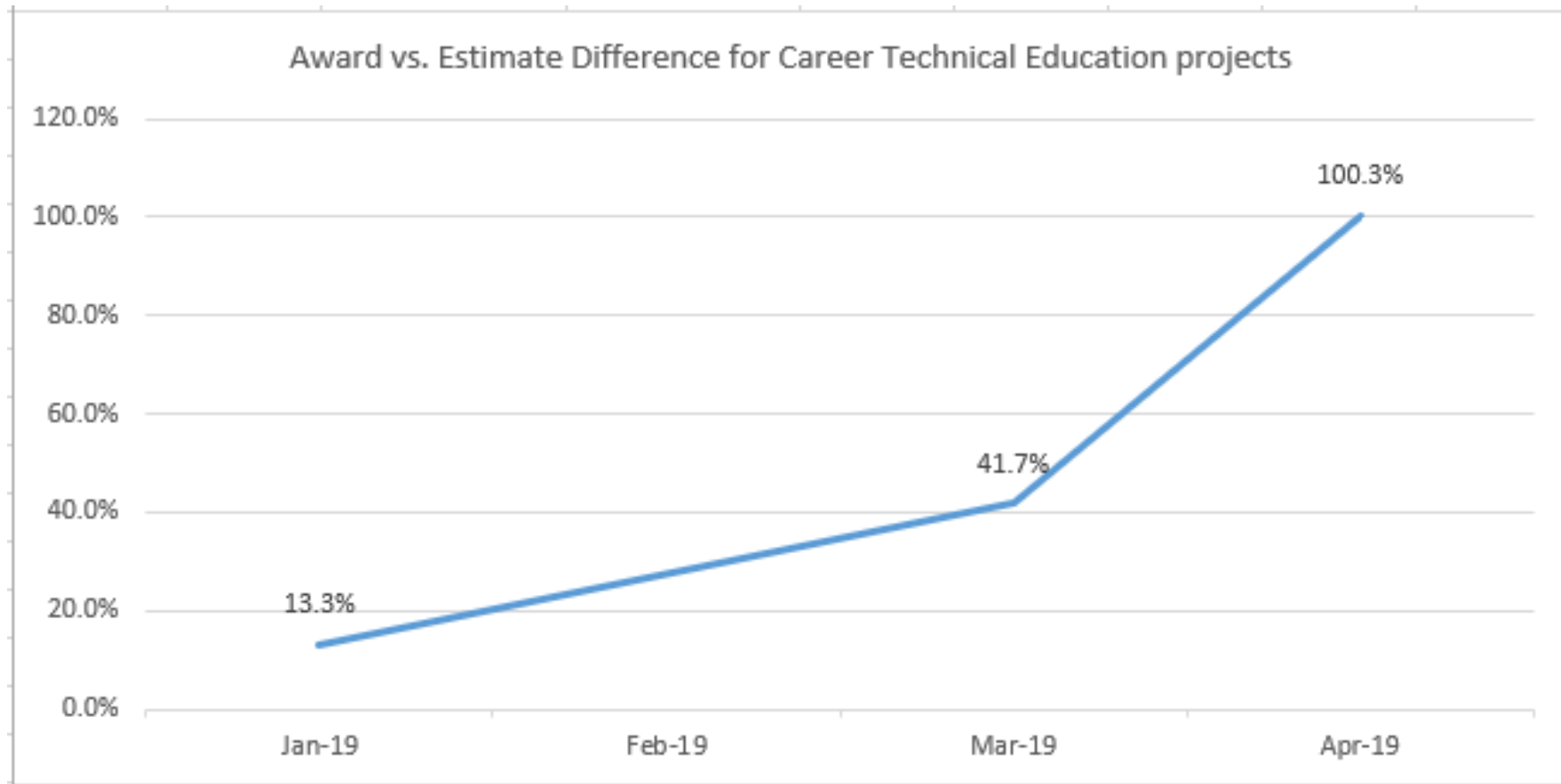
Average # Bidders per Campus Improvement project



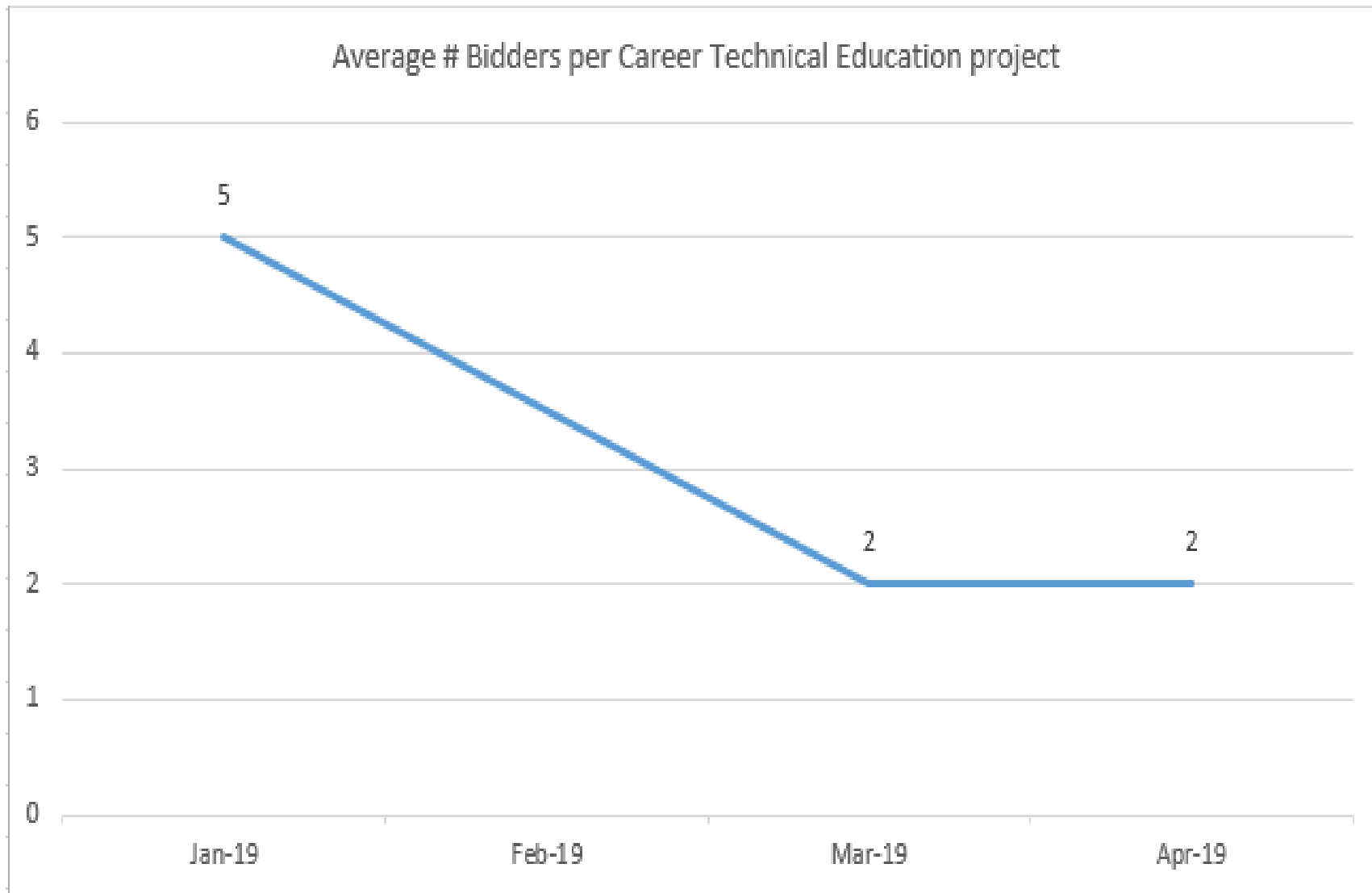
**CAREER TECHNICAL EDUCATION**

Bid Open Month	# Projects	Average Bid Estimate	Average Contract Award	% Difference	Average # Bidders per project
Jan-19	1	\$1,234,369	\$1,398,000	13.3%	5
Mar-19	1	\$1,036,798	\$1,469,000	41.7%	2
Apr-19	1	\$619,000	\$1,240,000	100.3%	2
<b>Total</b>	<b>3</b>				
	<b>Average</b>	<b>\$963,389</b>	<b>\$1,369,000</b>	<b>42.1%</b>	<b>3</b>

Award vs. Estimate Difference for Career Technical Education projects

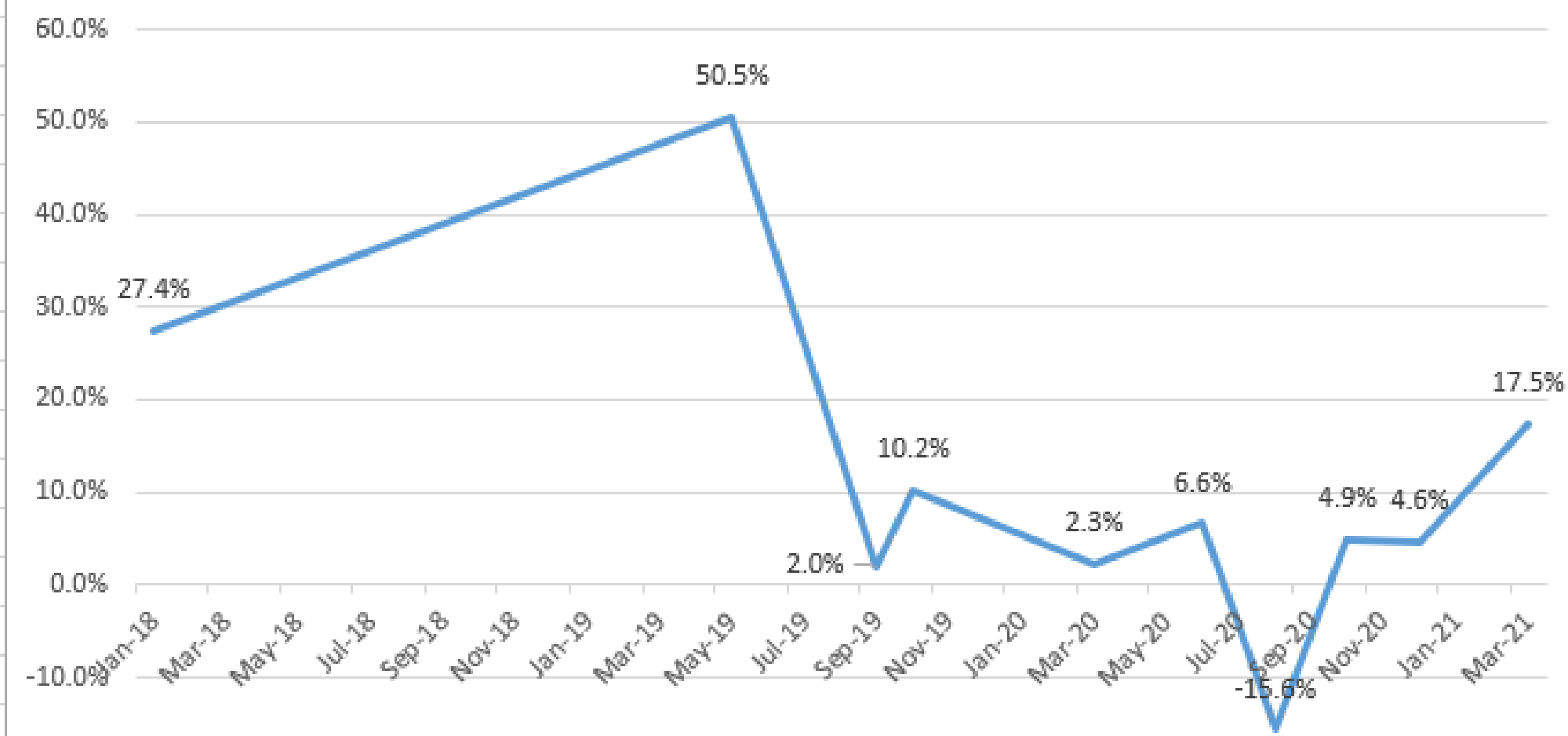


Average # Bidders per Career Technical Education project

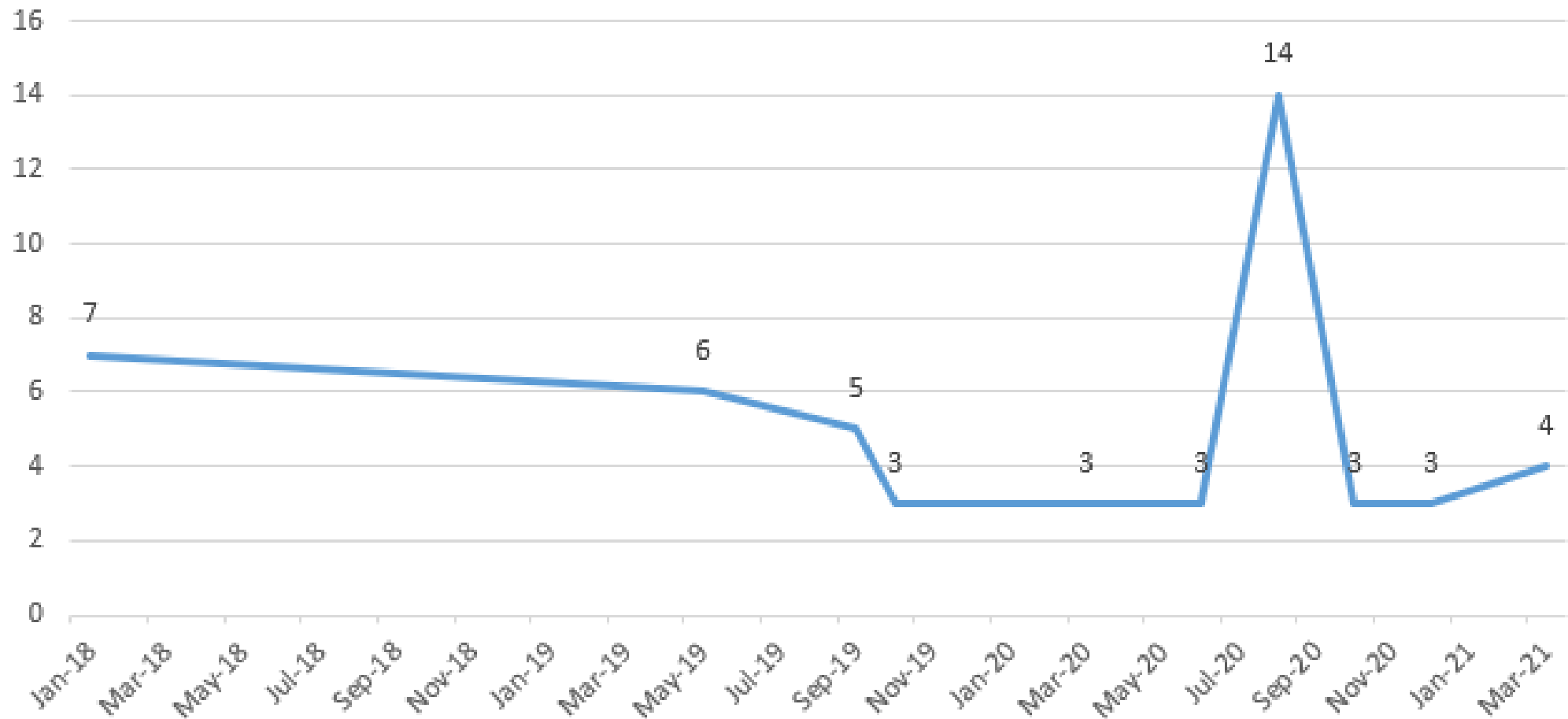


<b>COMPREHENSIVE MODERNIZATION</b>					
Bid Open Month	# Projects	Average Bid Estimate	Average Contract Award	% Difference	Average # Bidders per project
Jan-18	1	\$660,040	\$841,000	27.4%	7
May-19	1	\$1,079,464	\$1,625,000	50.5%	6
Sep-19	2	\$7,356,715	\$7,506,000	2.0%	5
Oct-19	1	\$18,357,360	\$20,227,000	10.2%	3
Mar-20	1	\$2,503,295	\$2,562,090	2.3%	3
Jun-20	1	\$4,575,227	\$4,877,873	6.6%	3
Aug-20	1	\$1,860,067	\$1,569,000	-15.6%	14
Oct-20	1	\$92,710,635	\$97,250,000	4.9%	3
Dec-20	1	\$190,704,801	\$199,523,100	4.6%	3
Mar-21	1	\$146,126,074	\$171,633,000	17.5%	4
<b>Total</b>	<b>11</b>				
	<b>Average</b>	<b>\$43,026,399</b>	<b>\$46,829,097</b>	<b>8.8%</b>	<b>5.1</b>

Award vs. Estimate Difference for Comprehensive Modernization projects



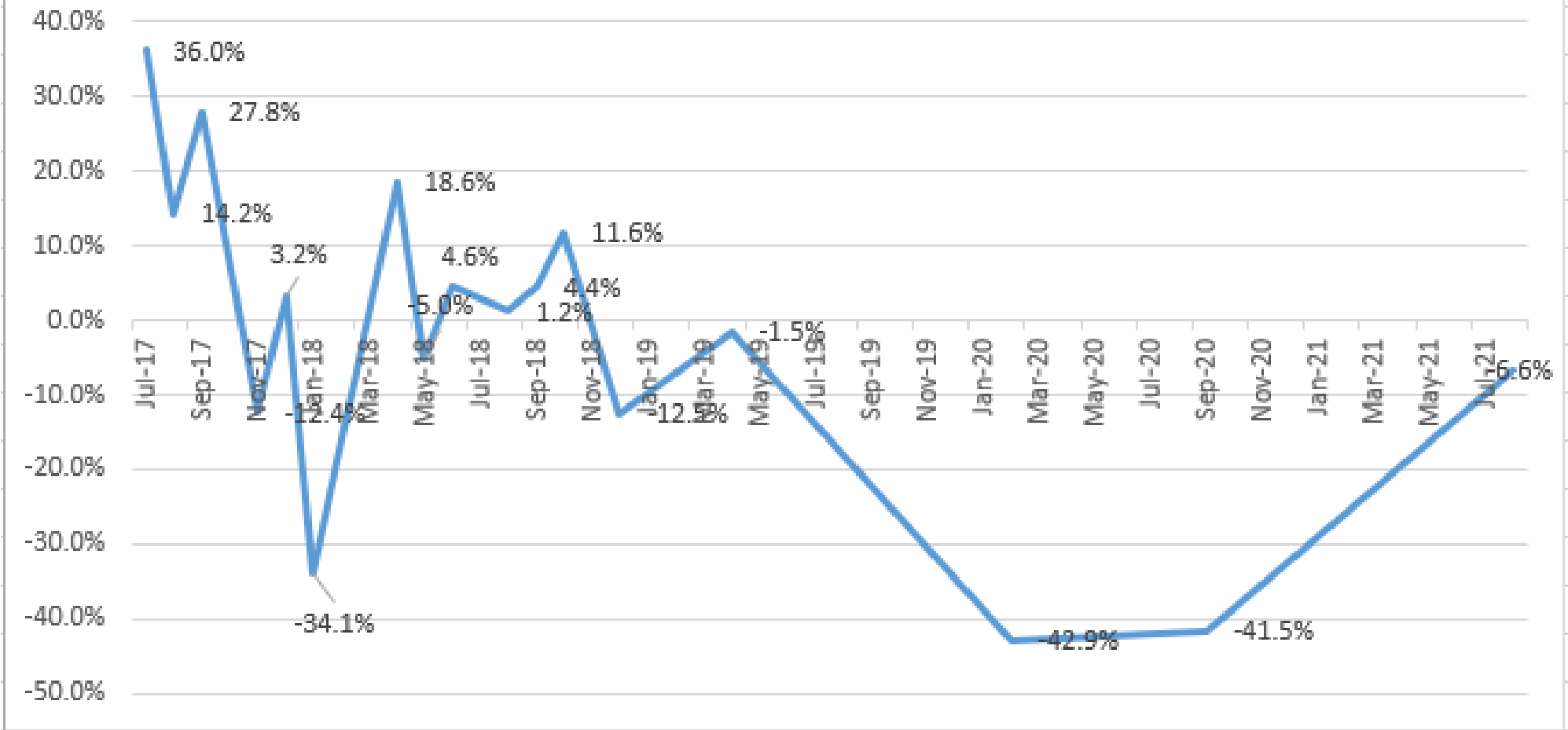
Average # Bidders per Comprehensive Modernization project



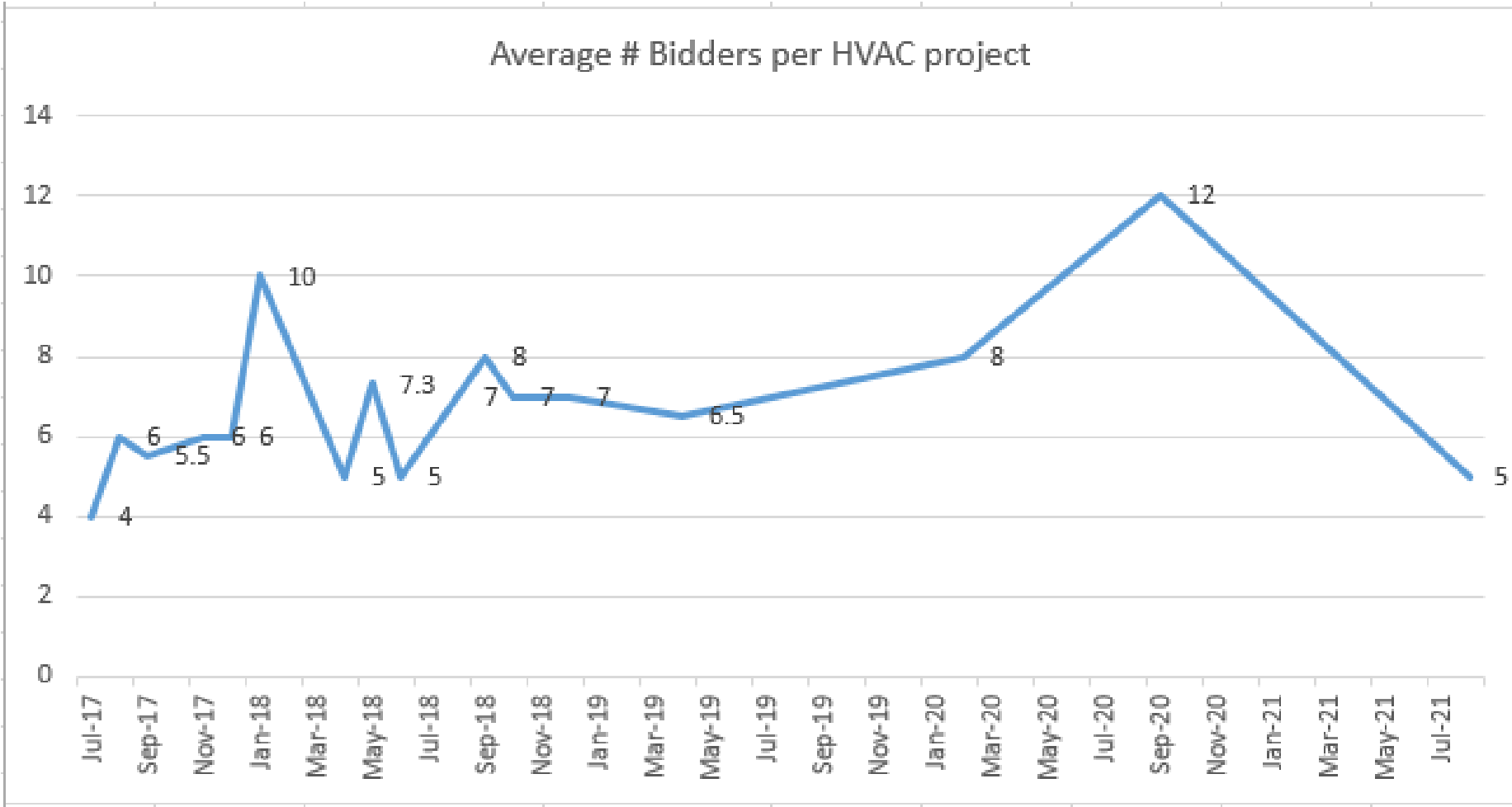


<b>HVAC</b>					
Bid Open Month	# Projects	Average Bid Estimate	Average Contract Award	% Difference	Average # Bidders per project
Jul-17	2	\$10,052,991	\$13,675,000	36.0%	4
Aug-17	2	\$7,791,345	\$8,897,000	14.2%	6
Sep-17	2	\$3,804,682	\$4,861,500	27.8%	5.5
Nov-17	1	\$2,793,688	\$2,447,800	-12.4%	6
Dec-17	1	\$3,607,397	\$3,724,000	3.2%	6
Jan-18	1	\$3,449,931	\$2,275,000	-34.1%	10
Apr-18	1	\$3,425,276	\$4,061,000	18.6%	5
May-18	3	\$7,738,482	\$7,351,000	-5.0%	7.3
Jun-18	1	\$4,218,674	\$4,413,000	4.6%	5
Aug-18	2	\$8,258,448	\$8,354,000	1.2%	7
Sep-18	1	\$4,550,988	\$4,750,000	4.4%	8
Oct-18	1	\$3,617,383	\$4,037,000	11.6%	7
Dec-18	1	\$4,045,909	\$3,540,000	-12.5%	7
Apr-19	2	\$3,978,120	\$3,919,000	-1.5%	6.5
Feb-20	1	\$770,410	\$440,000	-42.9%	8
Sep-20	1	\$3,325,090	\$1,944,000	-41.5%	12
Aug-21	2	\$8,600,628	\$8,032,000	-6.6%	5
<b>Total</b>	<b>25</b>				
	<b>Average</b>	<b>\$5,679,705</b>	<b>\$5,966,472</b>	<b>5.0%</b>	<b>6.5</b>

Award vs. Estimate Difference for HVAC Projects

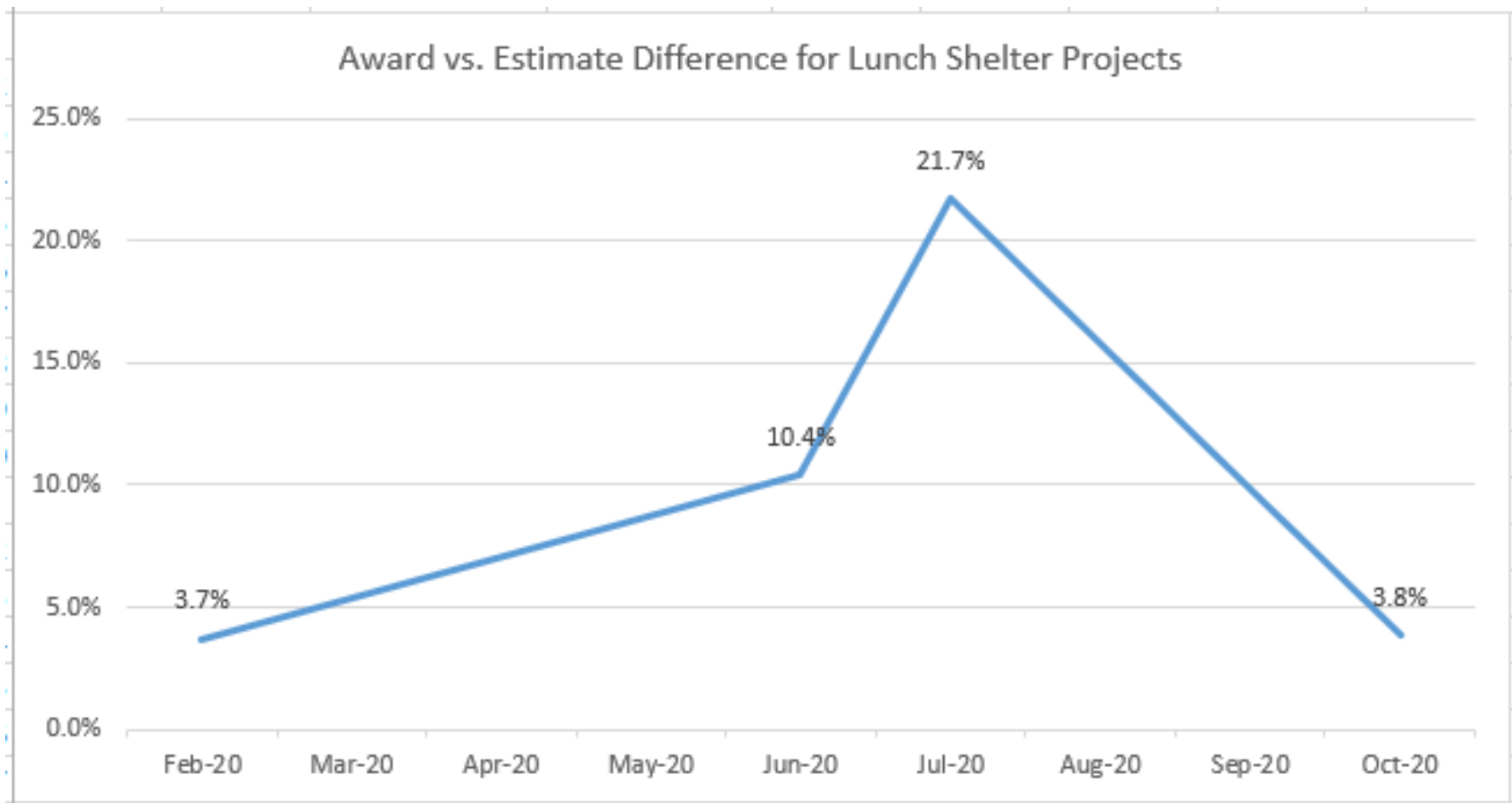


Average # Bidders per HVAC project

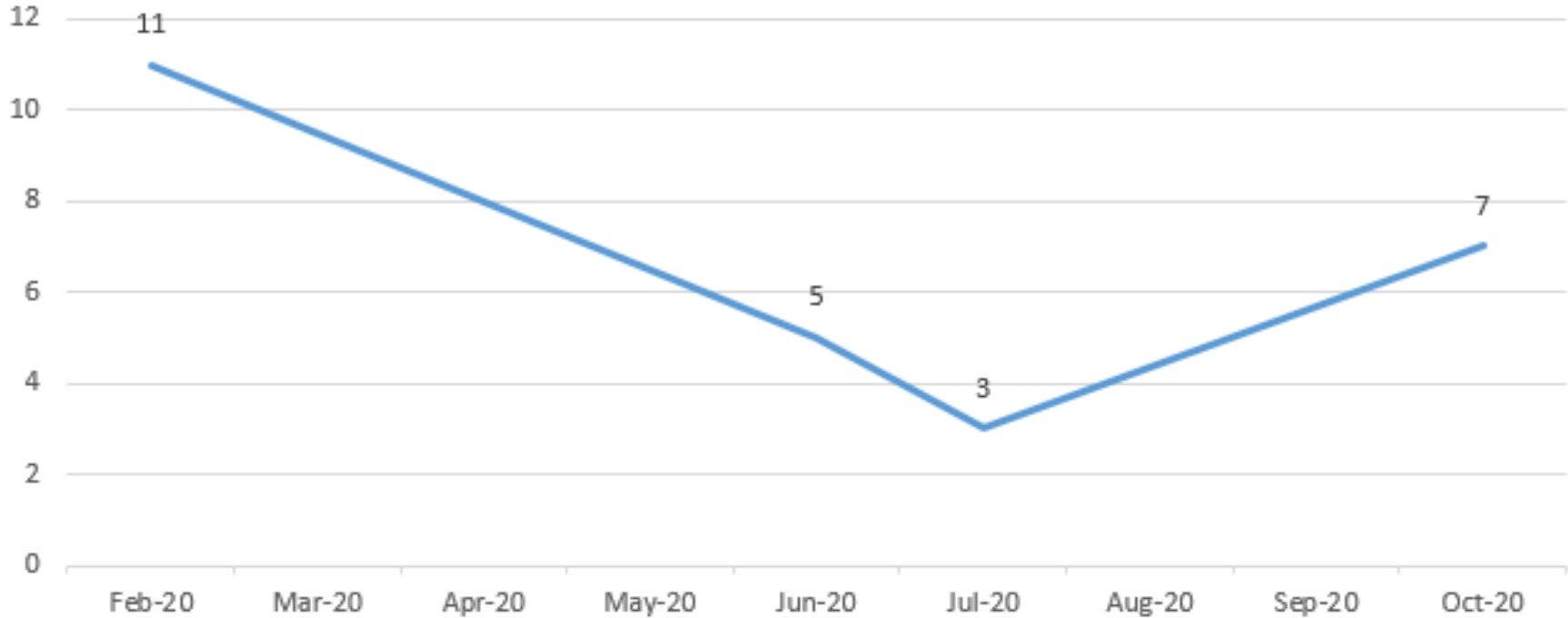


<b>LUNCH SHELTER</b>					
Bid Open Month	# Projects	Average Bid Estimate	Average Contract Award	% Difference	Average # Bidders per project
Feb-20	1	\$959,651	\$995,000	3.7%	11
Jun-20	1	\$73,749	\$81,400	10.4%	5
Jul-20	1	\$173,901	\$211,650	21.7%	3
Oct-20	1	\$130,859	\$135,883	3.8%	7
<b>Total</b>	<b>4</b>				
	<b>Average</b>	<b>\$334,540</b>	<b>\$355,983</b>	<b>6.4%</b>	<b>6.5</b>

Award vs. Estimate Difference for Lunch Shelter Projects

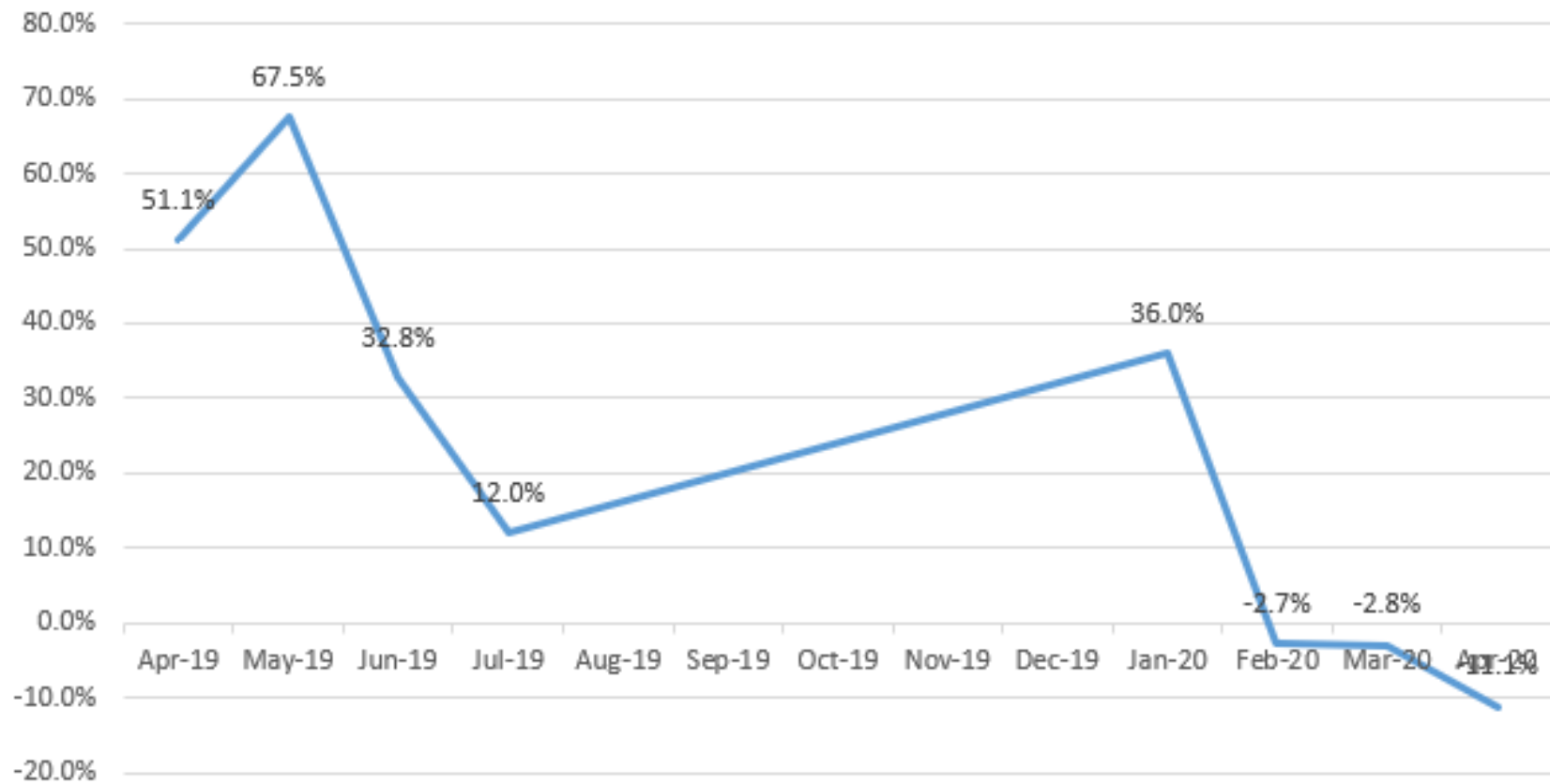


Average #  
Bidders per  
Lunch Shelter project



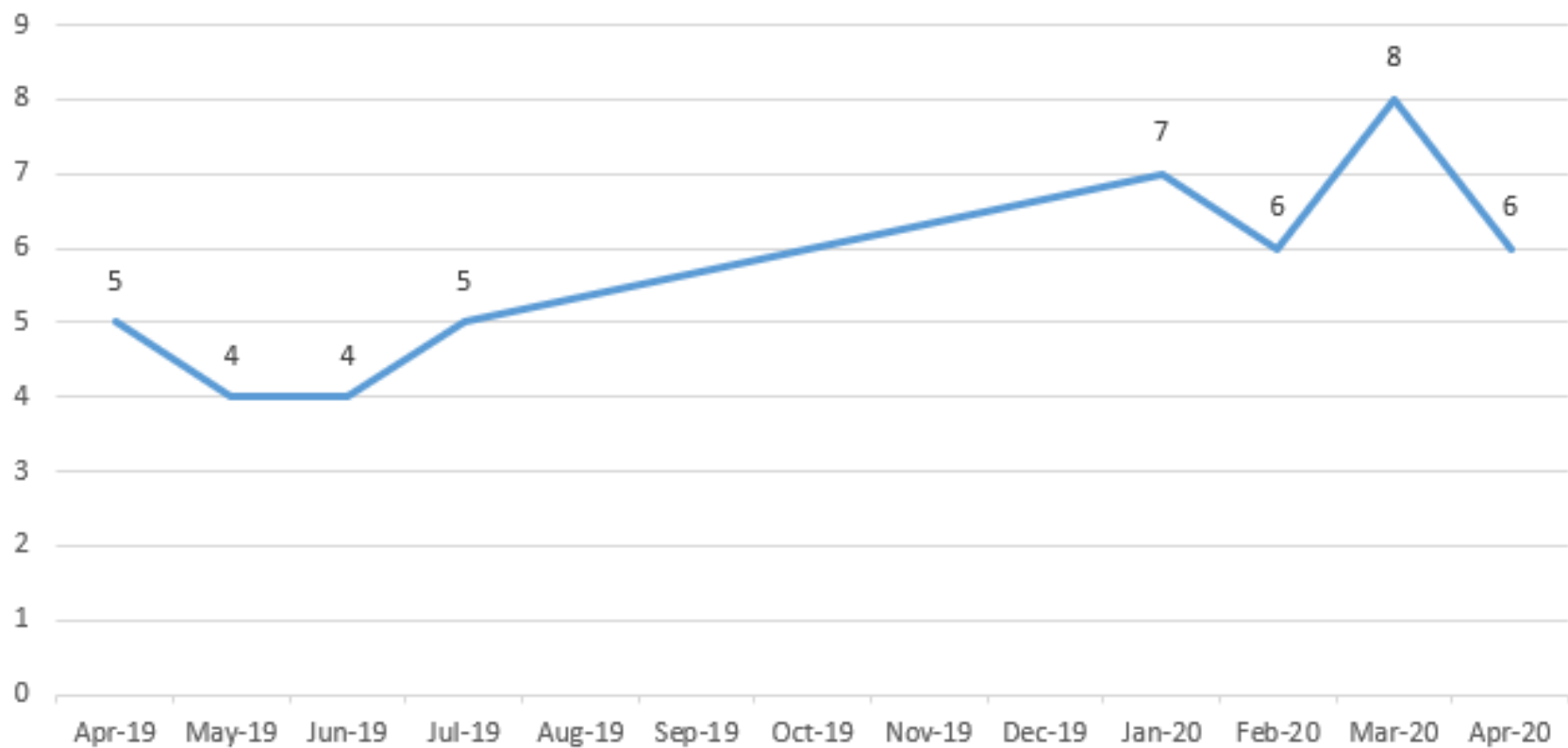
<b>Painting</b>					
Bid Open Month	# Projects	Average Bid Estimate	Average Contract Award	% Difference	Average # Bidders per project
Apr-19	1	\$107,844	\$163,000	51.1%	5
May-19	1	\$84,163	\$141,000	67.5%	4
Jun-19	1	\$122,760	\$163,000	32.8%	4
Jul-19	2	\$181,278	\$203,100	12.0%	5
Jan-20	7	\$167,658	\$227,971	36.0%	7
Feb-20	3	\$246,349	\$239,667	-2.7%	6
Mar-20	5	\$257,107	\$249,800	-2.8%	8
Apr-20	3	\$480,274	\$427,000	-11.1%	6
<b>Total</b>	<b>23</b>				
	<b>Average</b>	<b>\$232,001</b>	<b>\$247,687</b>	<b>6.8%</b>	<b>6.3</b>

Award vs. Estimate Difference for Painting projects





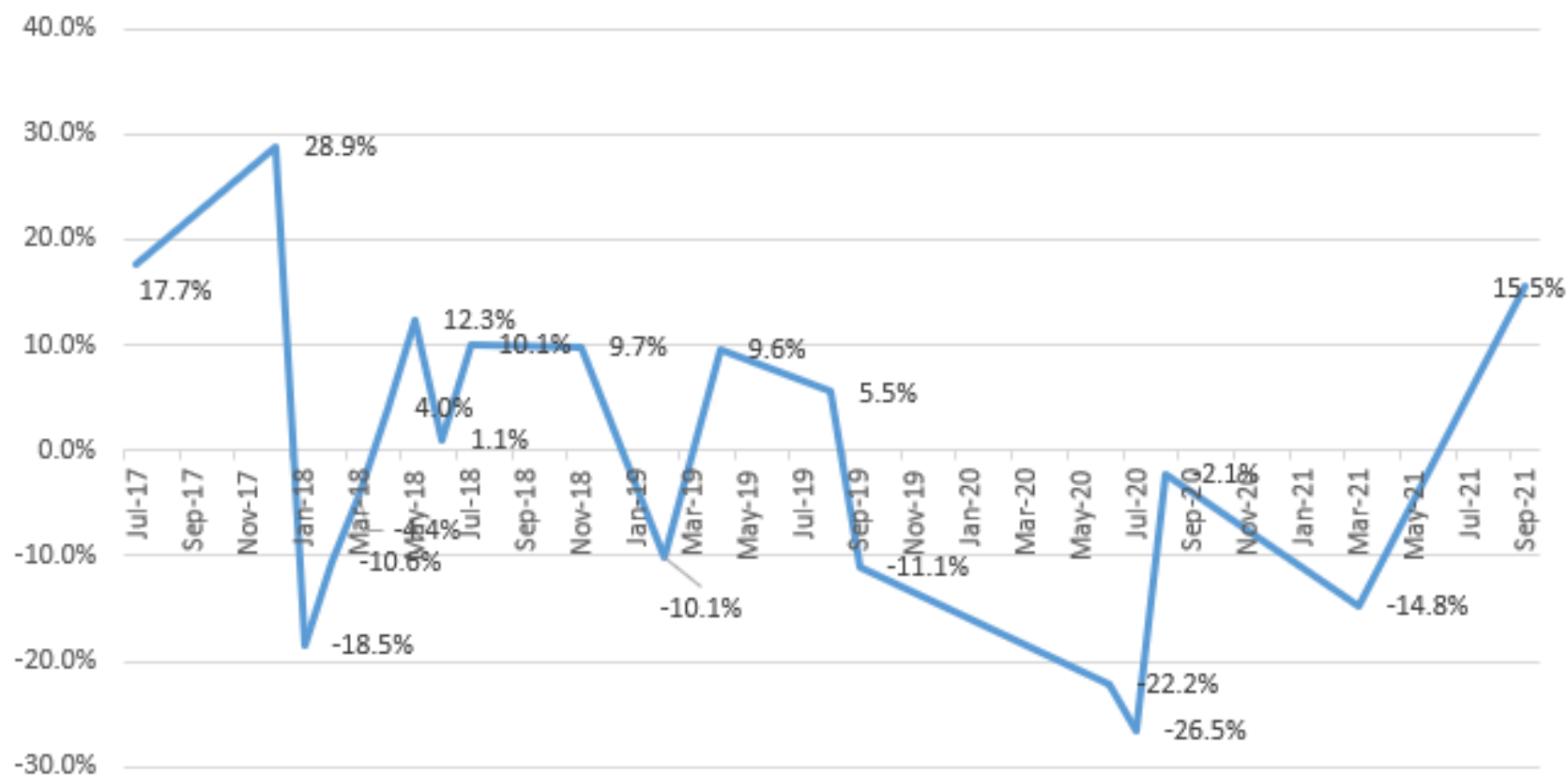
Average # Bidders per Painting project



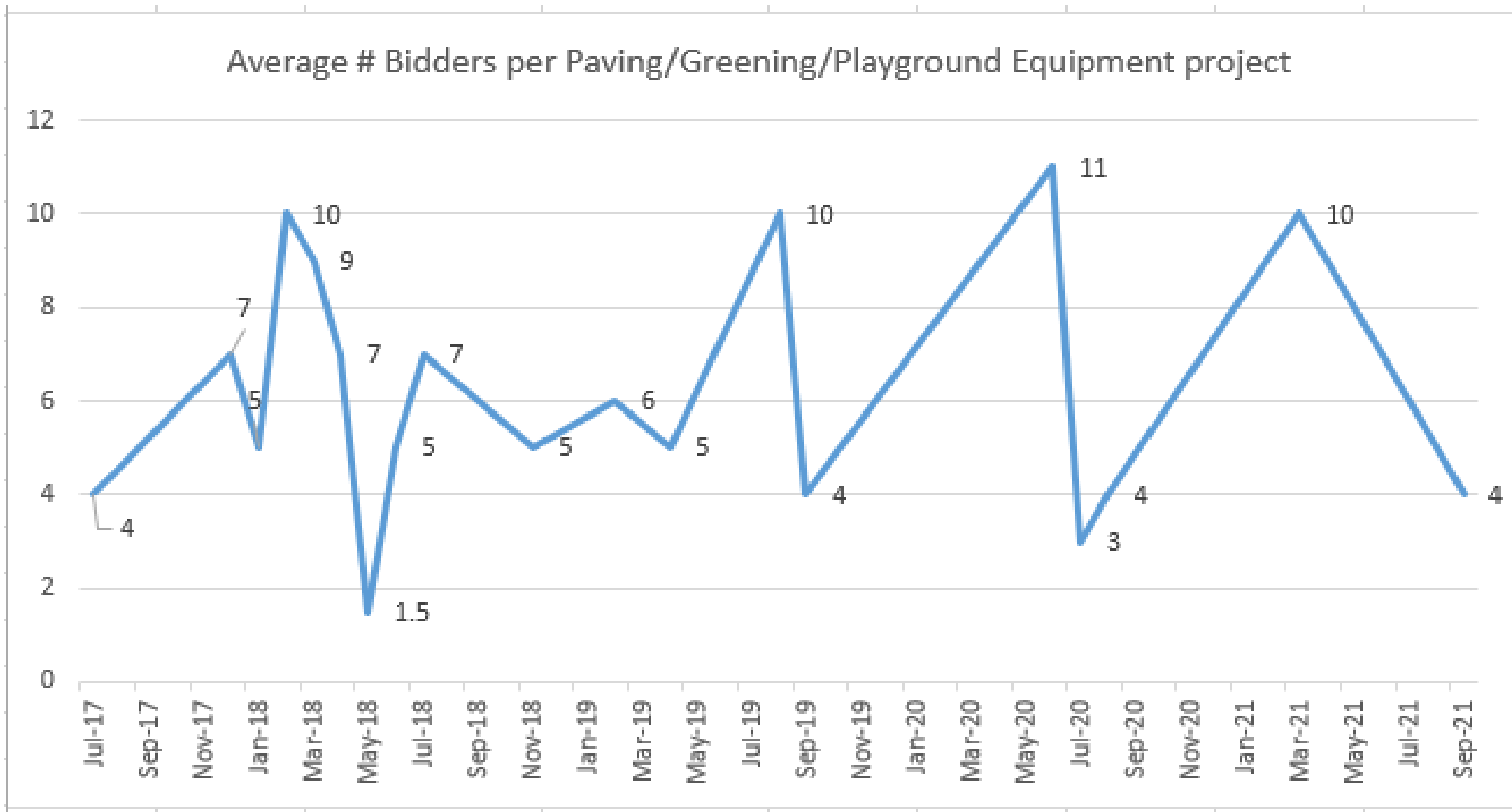
**PAVING/GREENING/PLAYGROUND EQUIPMENT**

Bid Open Month	# Projects	Average Bid Estimate	Average Contract Award	% Difference	Average # Bidders per project
Jul-17	2	\$1,500,788	\$1,766,925	17.7%	4
Dec-17	1	\$2,635,564	\$3,396,000	28.9%	7
Jan-18	2	\$8,339,573	\$6,794,847	-18.5%	5
Feb-18	1	\$5,585,547	\$4,992,000	-10.6%	10
Mar-18	1	\$7,531,986	\$7,200,000	-4.4%	9
Apr-18	3	\$3,920,053	\$4,076,128	4.0%	7
May-18	2	\$1,064,206	\$1,195,183	12.3%	1.5
Jun-18	1	\$7,416,685	\$7,495,000	1.1%	5
Jul-18	1	\$3,282,658	\$3,612,996	10.1%	7
Nov-18	1	\$1,732,927	\$1,901,500	9.7%	5
Feb-19	1	\$1,424,204	\$1,280,500	-10.1%	6
Apr-19	3	\$3,461,719	\$3,794,497	9.6%	5
Aug-19	1	\$3,932,053	\$4,150,000	5.5%	10
Sep-19	1	\$1,382,367	\$1,229,000	-11.1%	4
Jun-20	2	\$3,781,187	\$2,941,500	-22.2%	11
Jul-20	1	\$2,339,861	\$1,719,537	-26.5%	3
Aug-20	1	\$270,787	\$265,000	-2.1%	4
Mar-21	1	\$997,288	\$850,000	-14.8%	10
Sep-21	1	\$9,576,242	\$11,058,057	15.5%	4
<b>Total</b>	<b>27</b>				
	<b>Average</b>	<b>\$3,689,814</b>	<b>\$3,635,495</b>	<b>-1.5%</b>	<b>6.1</b>

Award vs. Estimate Difference for Paving/Greening/Playground Equipment Projects

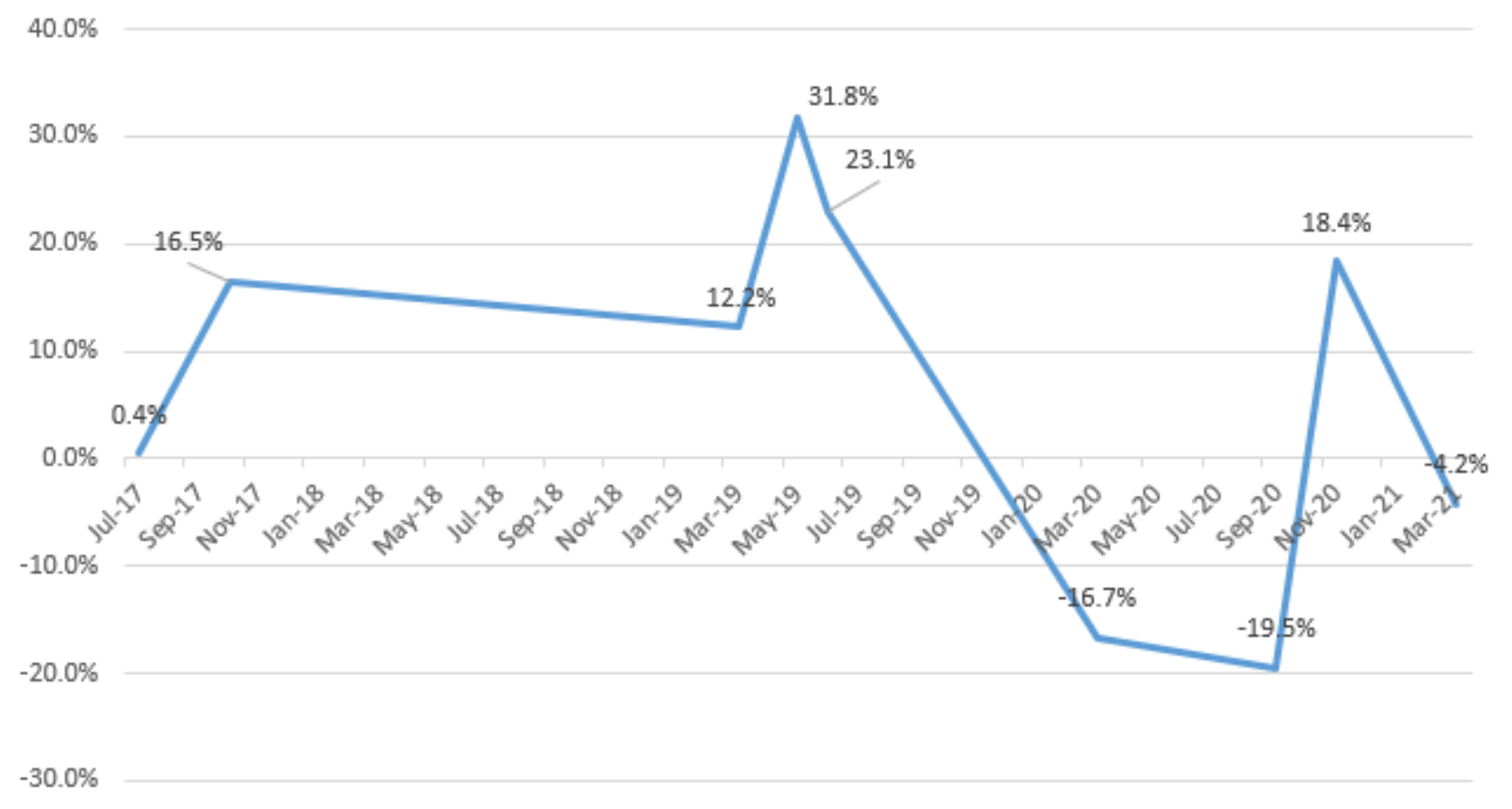


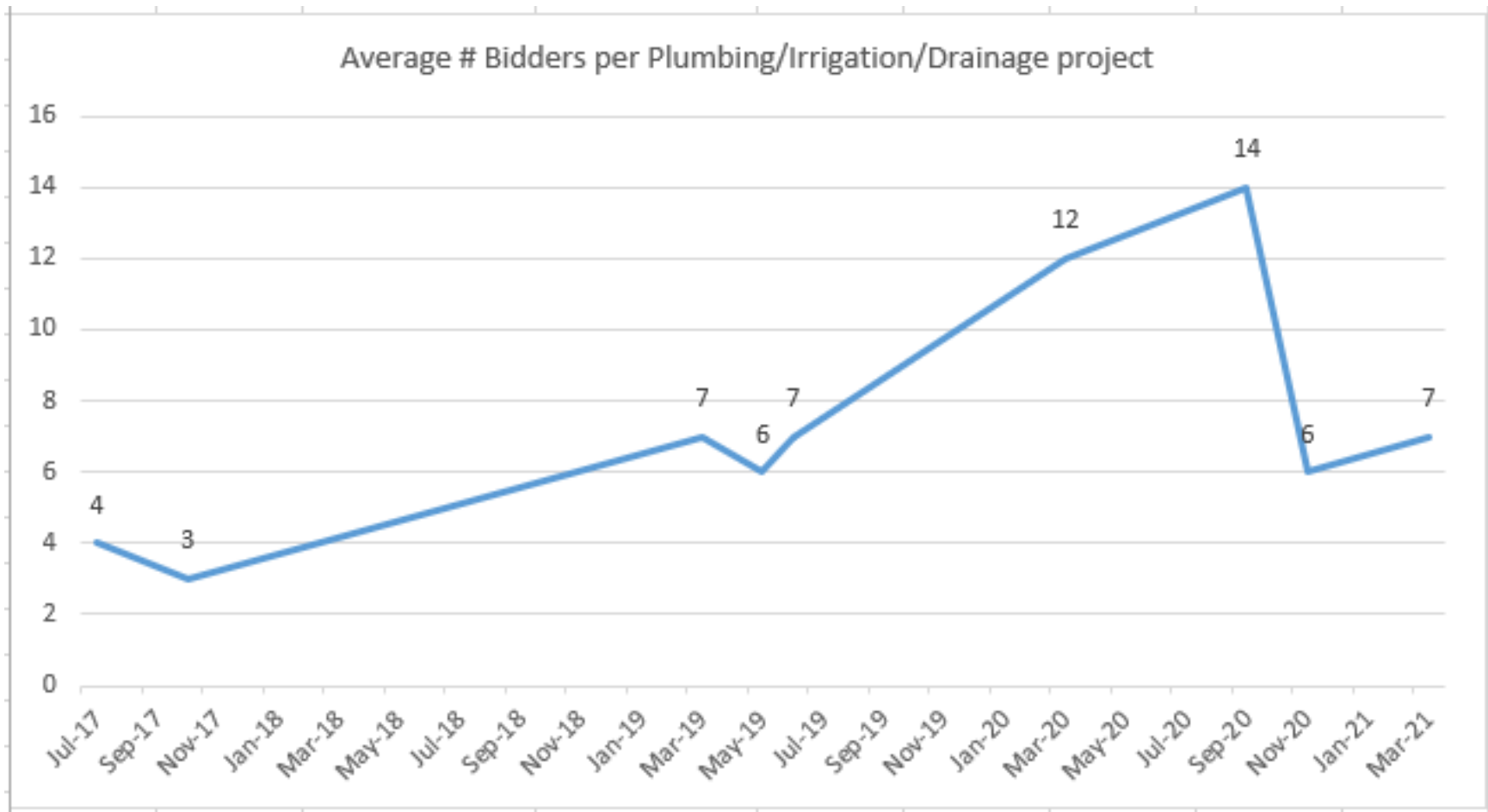
Average # Bidders per Paving/Greening/Playground Equipment project



<b>Plumbing/Irrigation/Drainage</b>					
<b>Bid Open Month</b>	<b># Projects</b>	<b>Average Bid Estimate</b>	<b>Average Contract Award</b>	<b>% Difference</b>	<b>Average # Bidders per project</b>
Jul-17	1	\$1,742,491	\$1,750,000	0.4%	4
Oct-17	1	\$1,448,015	\$1,687,000	16.5%	3
Mar-19	1	\$6,682,630	\$7,499,000	12.2%	7
May-19	1	\$5,688,589	\$7,499,000	31.8%	6
Jun-19	1	\$5,244,400	\$6,455,000	23.1%	7
Mar-20	1	\$888,742	\$740,391	-16.7%	12
Sep-20	1	\$5,401,868	\$4,349,000	-19.5%	14
Nov-20	1	\$10,252,214	\$12,139,000	18.4%	6
Mar-21	1	\$1,103,199	\$1,057,000	-4.2%	7
<b>Total</b>	<b>9</b>				
	<b>Average</b>	<b>\$4,272,461</b>	<b>\$4,797,266</b>	<b>12.3%</b>	<b>7.3</b>

Award vs. Estimate Difference for Plumbing/Irrigation/Drainage projects

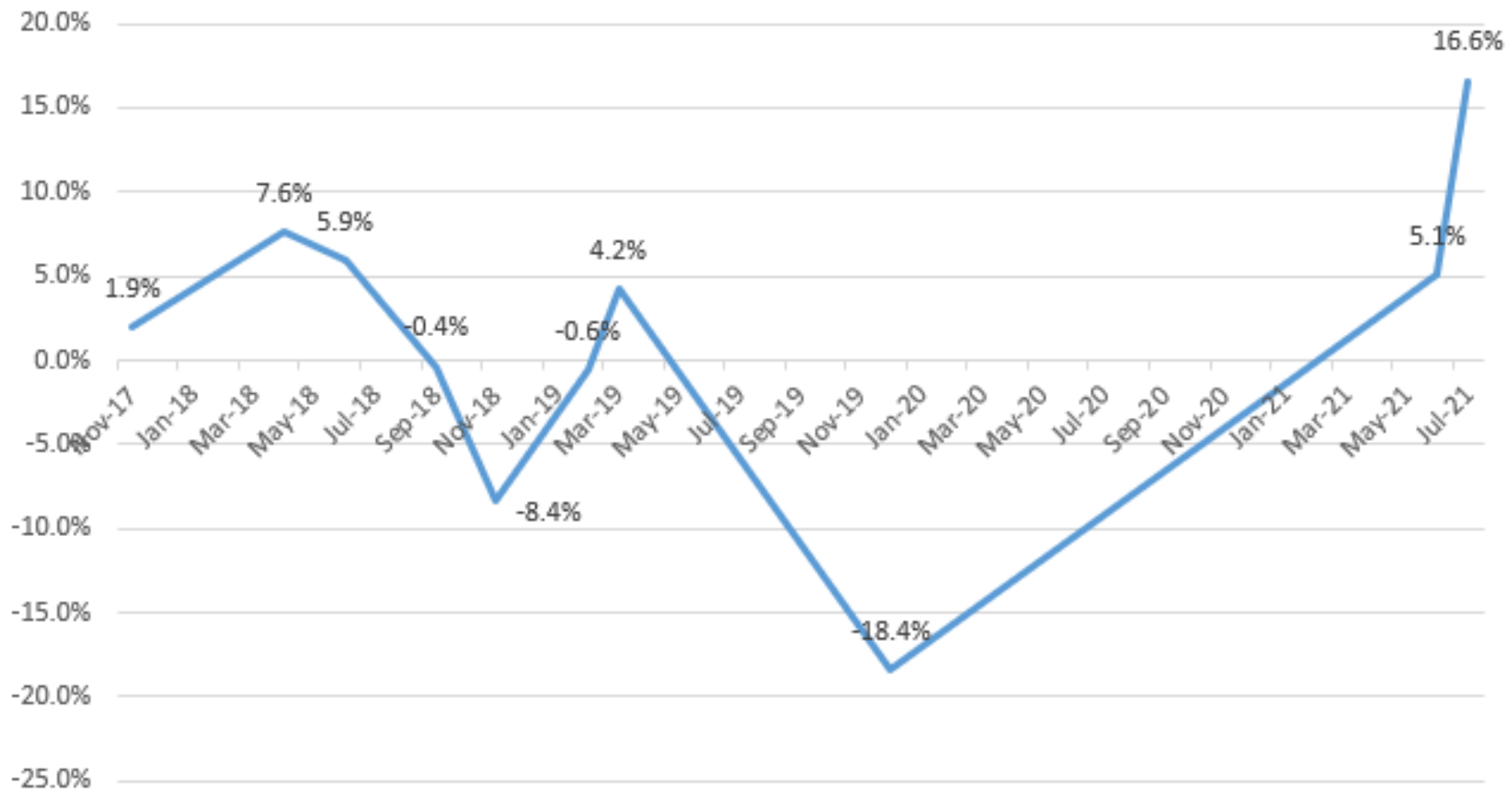




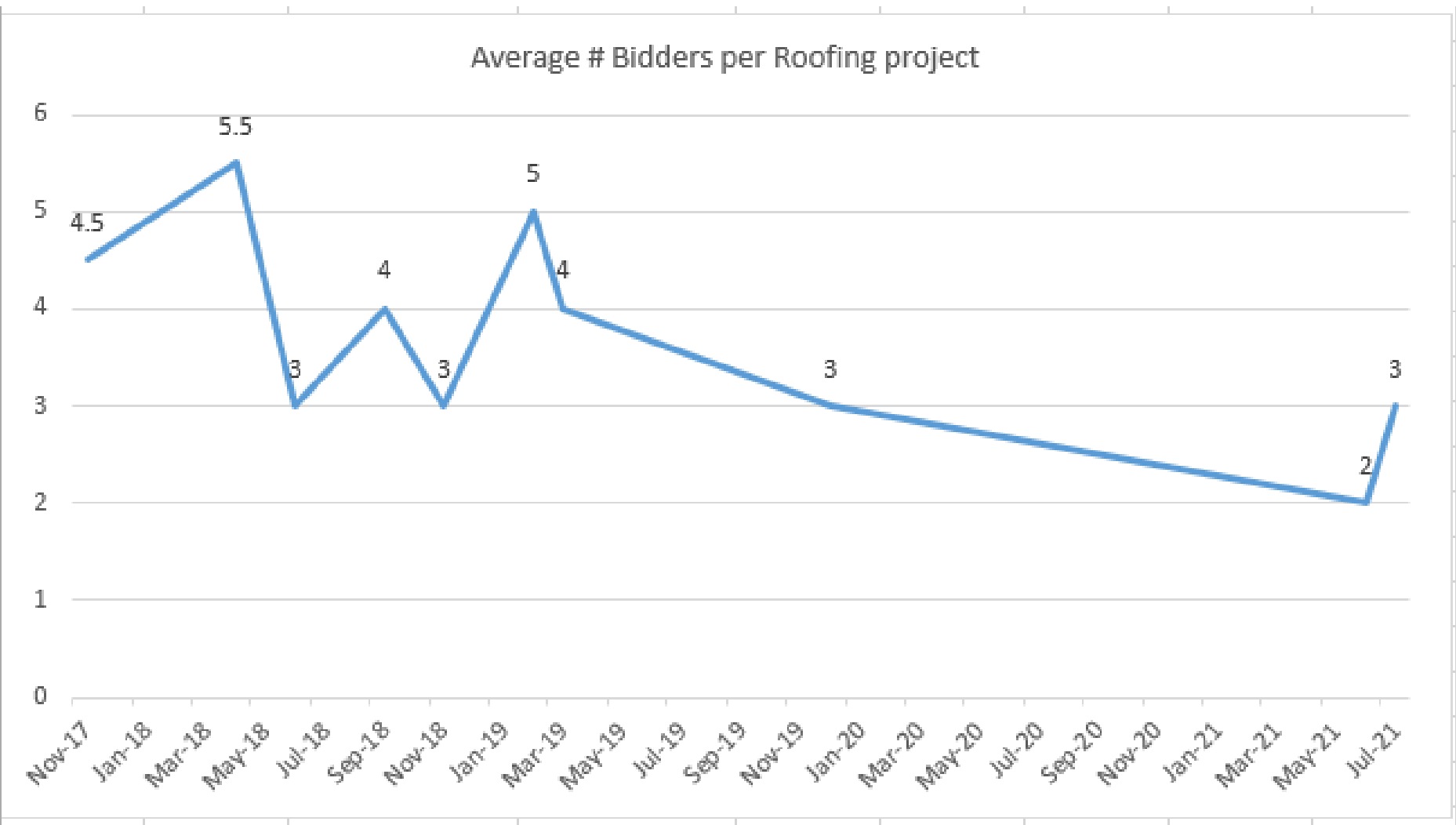
<b>ROOFING</b>					
Bid Open Month	# Projects	Average Bid Estimate	Average Contract Award	% Difference	Average # Bidders per project
Nov-17	2	\$2,885,522	\$2,941,323	1.9%	4.5
Apr-18	2	\$1,014,795	\$1,091,950	7.6%	5.5
Jun-18	2	\$2,819,550	\$2,986,323	5.9%	3
Sep-18	1	\$909,241	\$905,695	-0.4%	4
Nov-18	1	\$3,677,361	\$3,369,323	-8.4%	3
Feb-19	1	\$2,702,528	\$2,687,115	-0.6%	5
Mar-19	1	\$1,253,116	\$1,306,323	4.2%	4
Dec-19	1	\$2,763,230	\$2,254,323	-18.4%	3
Jun-21	1	\$825,829	\$867,756	5.1%	2
Jul-21	2	\$1,146,967	\$1,336,995	16.6%	3
<b>Total</b>	<b>14</b>				
	<b>Average</b>	<b>\$1,990,355</b>	<b>\$2,007,408</b>	<b>0.9%</b>	<b>3.7</b>



Award vs. Estimate Difference for Roofing projects

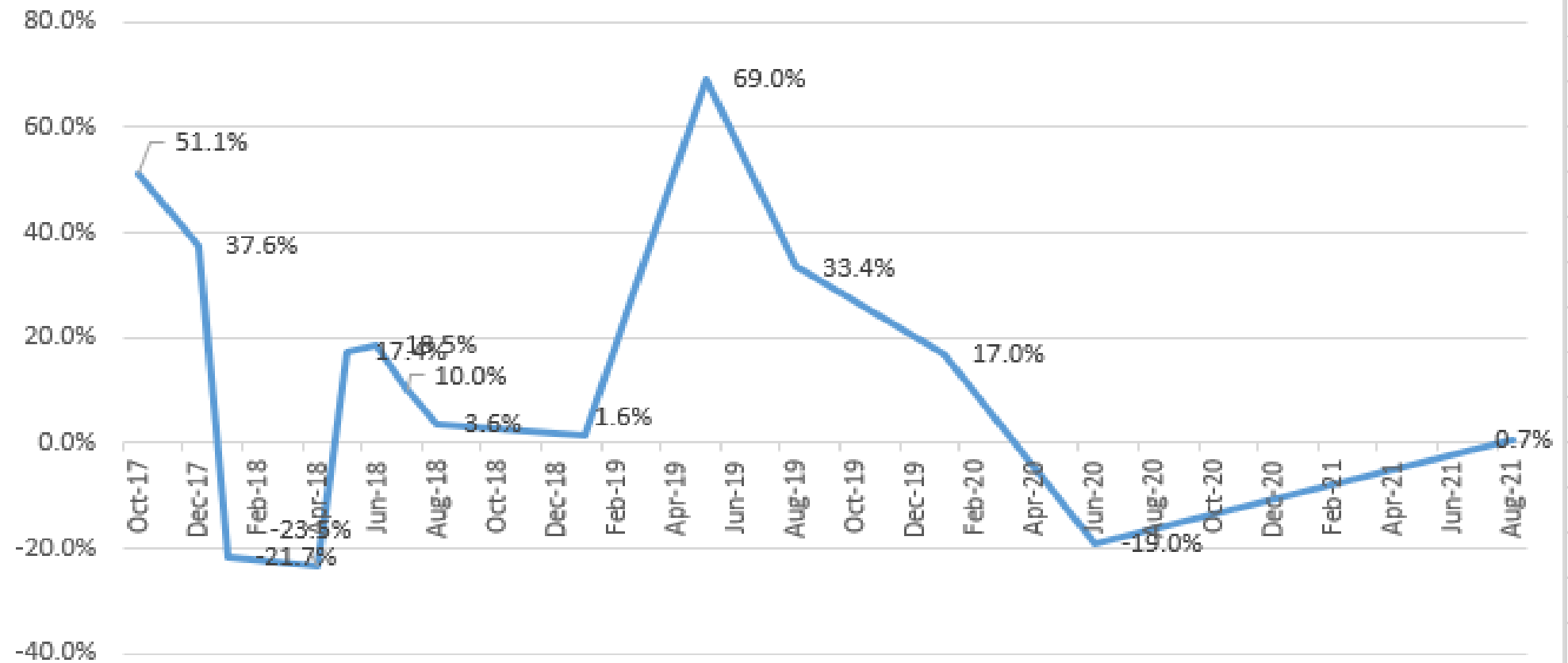


Average # Bidders per Roofing project

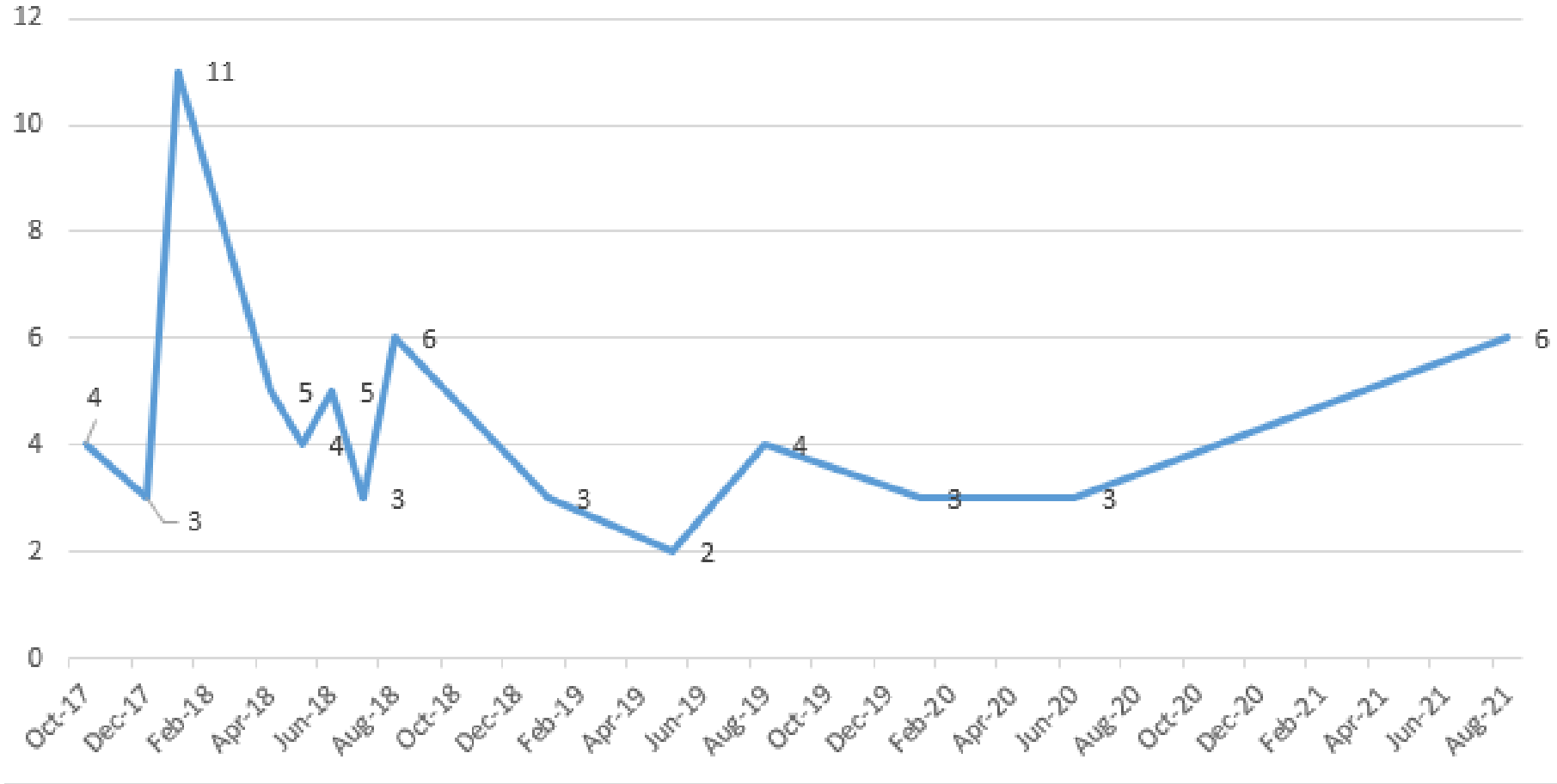


<b>SEISMIC MODERNIZATION</b>					
Bid Open Month	# Projects	Average Bid Estimate	Average Contract Award	% Difference	Average # Bidders per project
Oct-17	1	\$8,874,462	\$13,413,000	51.1%	4
Dec-17	1	\$2,177,813	\$2,997,500	37.6%	3
Jan-18	1	\$2,516,512	\$1,971,000	-21.7%	11
Apr-18	1	\$1,630,708	\$1,248,000	-23.5%	5
May-18	1	\$12,260,979	\$14,388,474	17.4%	4
Jun-18	1	\$3,079,221	\$3,650,000	18.5%	5
Jul-18	2	\$7,686,336	\$8,454,500	10.0%	3
Aug-18	1	\$1,664,539	\$1,725,000	3.6%	6
Jan-19	1	\$6,375,208	\$6,476,000	1.6%	3
May-19	1	\$1,045,929	\$1,768,000	69.0%	2
Aug-19	1	\$1,383,424	\$1,845,000	33.4%	4
Jan-20	1	\$4,802,307	\$5,617,613	17.0%	3
Jun-20	1	\$5,620,941	\$4,550,235	-19.0%	3
Aug-21	1	\$4,008,079	\$4,038,000	0.7%	6
<b>Total</b>	<b>15</b>				
	<b>Average</b>	<b>\$4,803,934</b>	<b>\$5,441,147</b>	<b>13.3%</b>	<b>4.3</b>

Award vs. Estimate Difference for Seismic Modernization projects

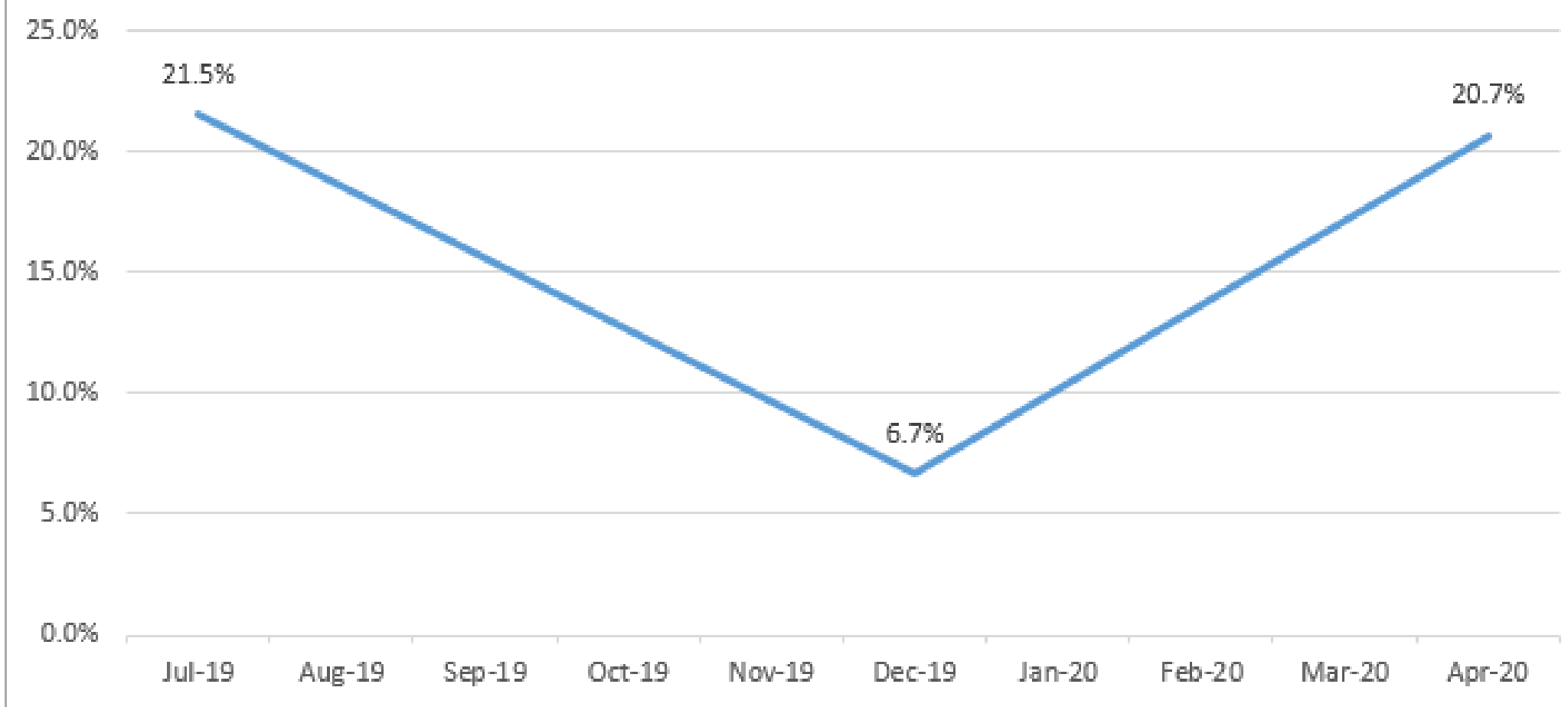


Average # Bidders per Seismic Modernization project

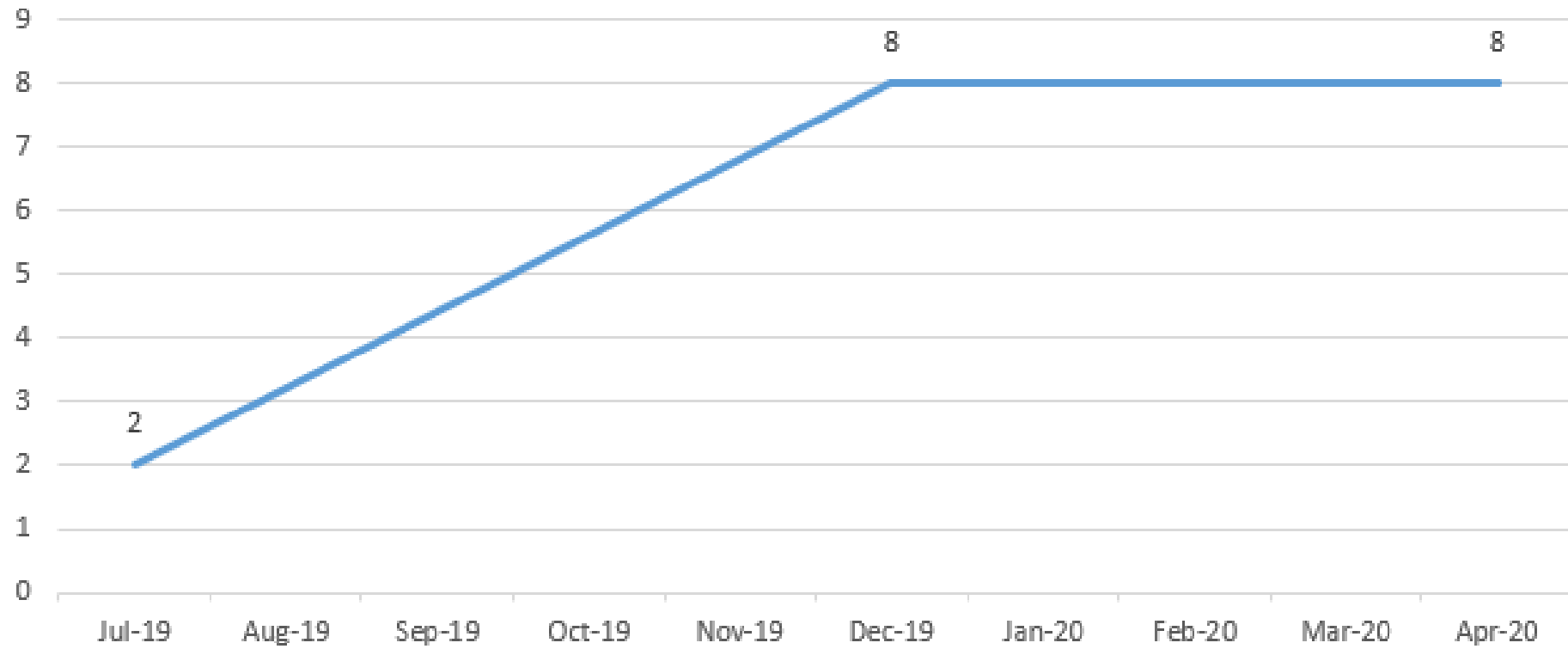


<b>RECONFIGURATION</b>					
Bid Open Month	# Projects	Average Bid Estimate	Average Contract Award	% Difference	Average # Bidders per project
Jul-19	1	\$1,398,372	\$1,699,540	21.5%	2
Dec-19	1	\$1,125,025	\$1,200,000	6.7%	8
Apr-20	1	\$740,088	\$893,079	20.7%	8
<b>Total</b>	<b>3</b>				
	<b>Average</b>	<b>\$1,087,828</b>	<b>\$1,264,206</b>	<b>16.2%</b>	<b>6</b>

Award vs. Estimate Difference for Reconfiguration projects



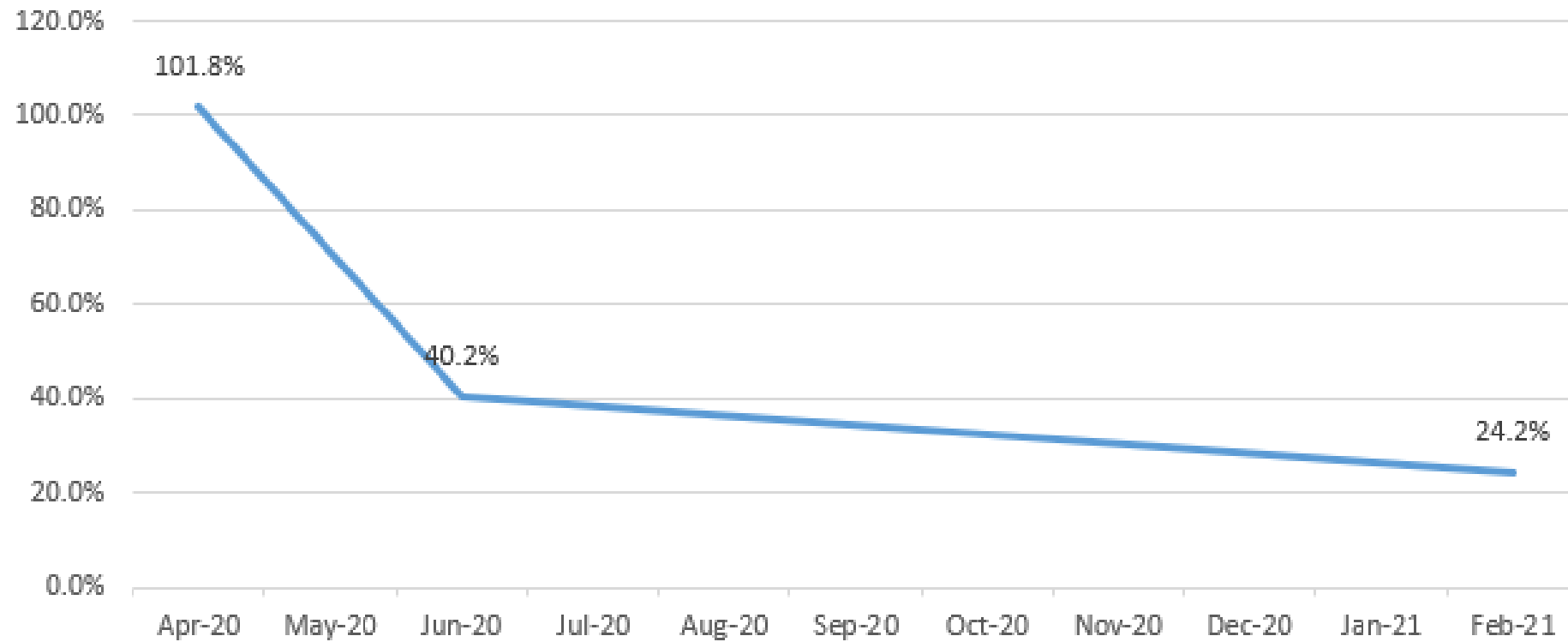
Average # Bidders per Reconfiguration project

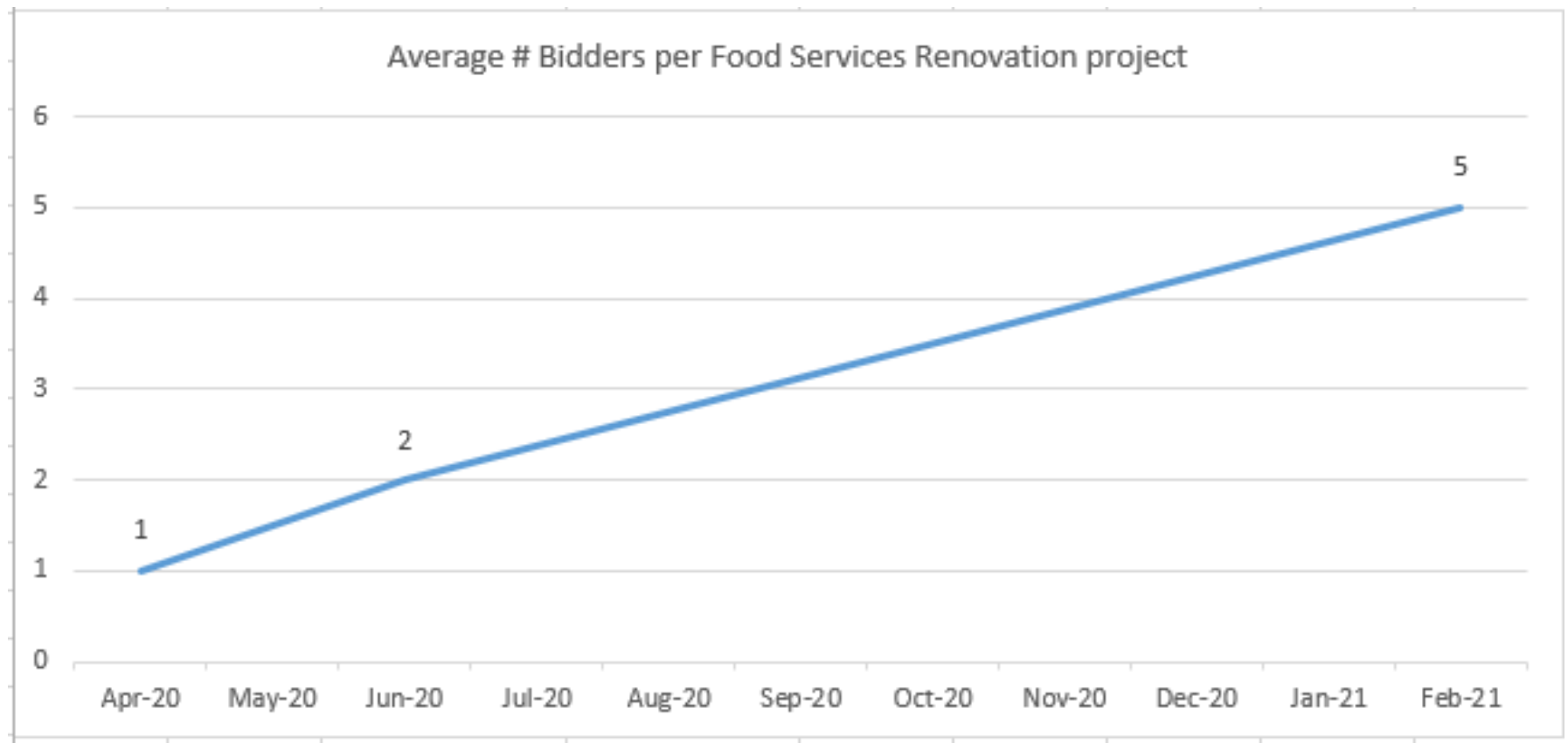




<b>FOOD SERVICES RENOVATION</b>					
<b>Bid Open Month</b>	<b># Projects</b>	<b>Average Bid Estimate</b>	<b>Average Contract Award</b>	<b>% Difference</b>	<b>Average # Bidders per project</b>
Apr-20	3	\$107,022	\$215,967	101.8%	1
Jun-20	10	\$172,843	\$242,300	40.2%	2
Feb-21	1	\$4,869,530	\$6,050,000	24.2%	5
<b>Total</b>	<b>14</b>				
	<b>Average</b>	<b>\$494,216</b>	<b>\$651,493</b>	<b>31.8%</b>	<b>2</b>

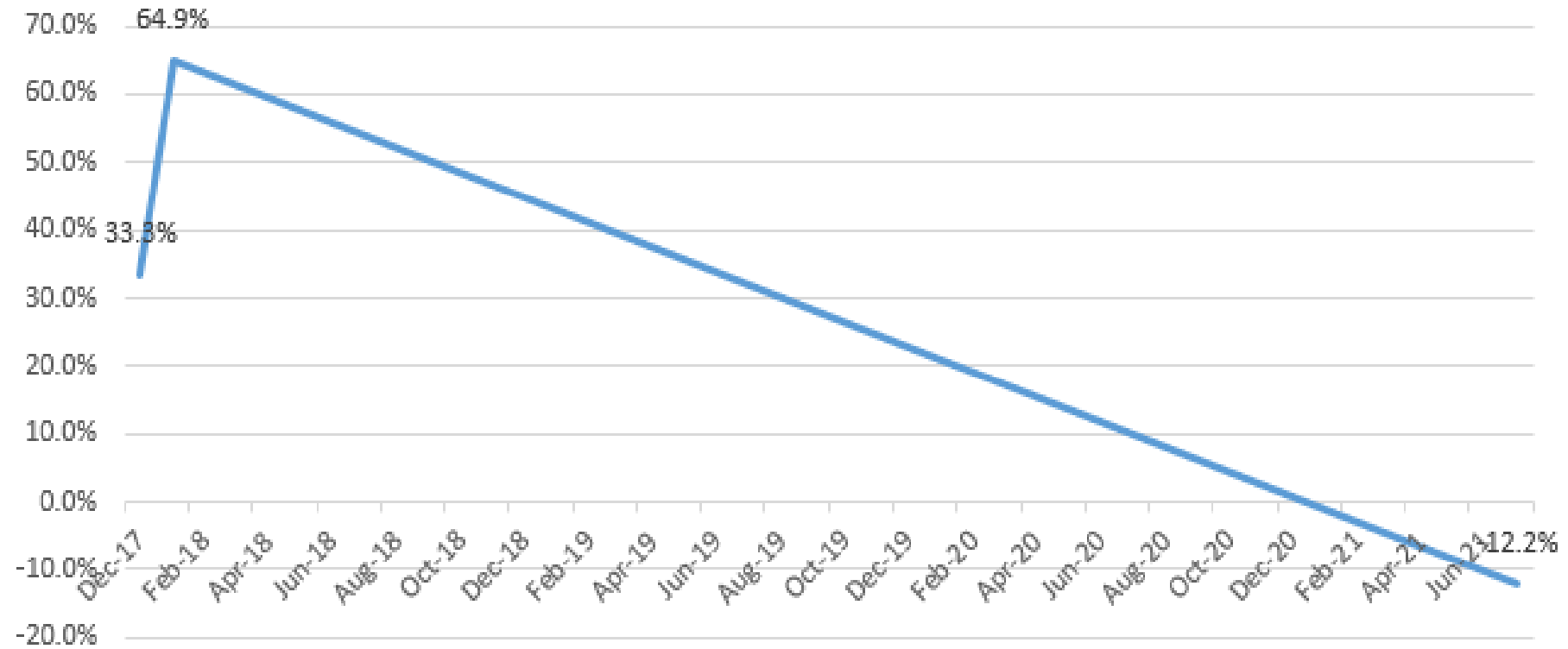
Award vs. Estimate Difference for Food Services Renovation projects



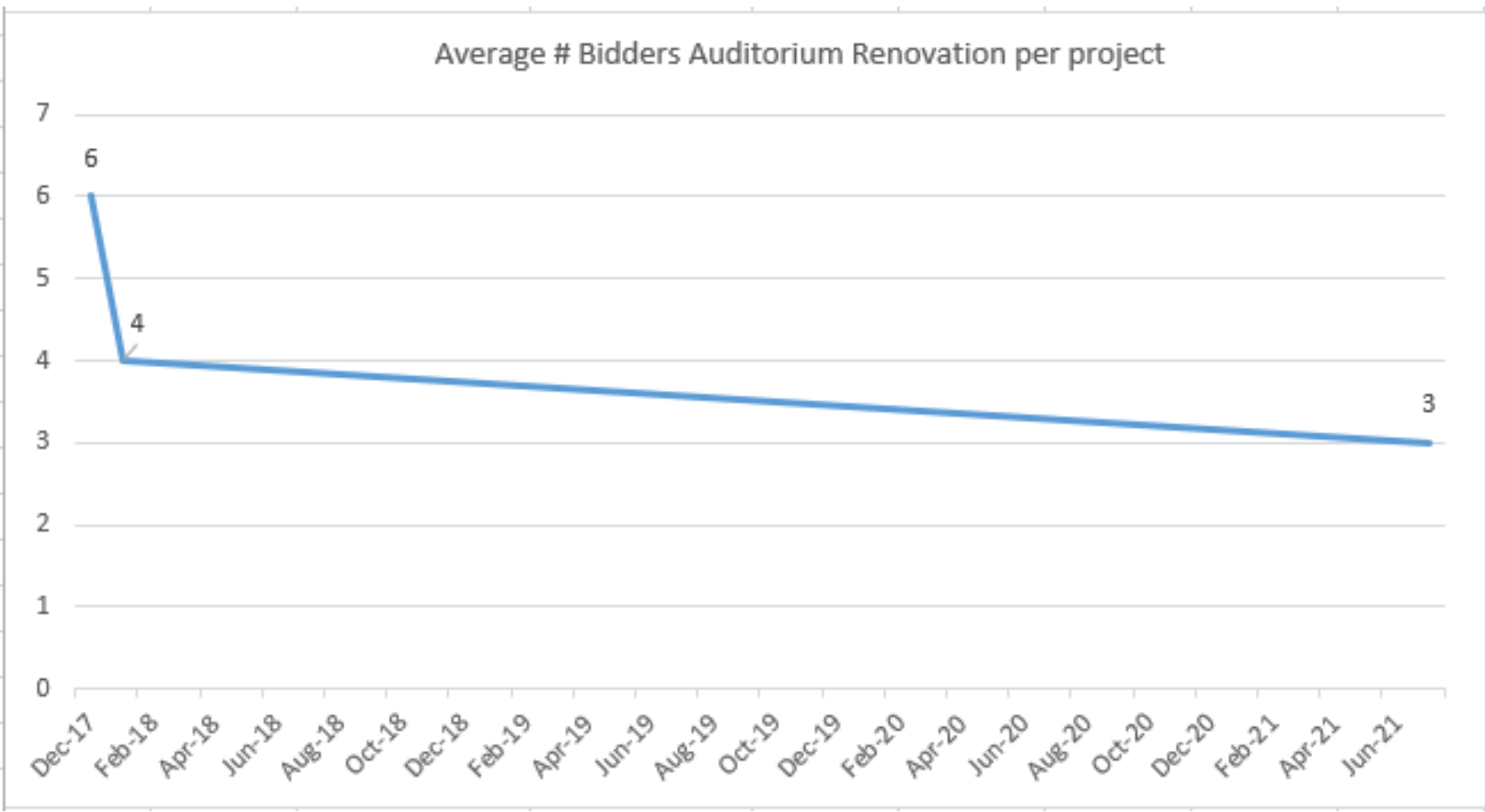


<b>AUDITORIUM RENOVATION</b>					
Bid Open Month	# Projects	Average Bid Estimate	Average Contract Award	% Difference	Average # Bidders per project
Dec-17	1	\$1,421,338	\$1,894,000	33.3%	6
Jan-18	1	\$1,773,975	\$2,925,000	64.9%	4
Jul-21	1	\$3,047,838	\$2,676,000	-12.2%	3
<b>Total</b>	<b>3</b>				
	<b>Average</b>	<b>\$2,081,050</b>	<b>\$2,498,333</b>	<b>20.1%</b>	<b>4</b>

Award vs. Estimate Difference for Auditorium Renovation projects

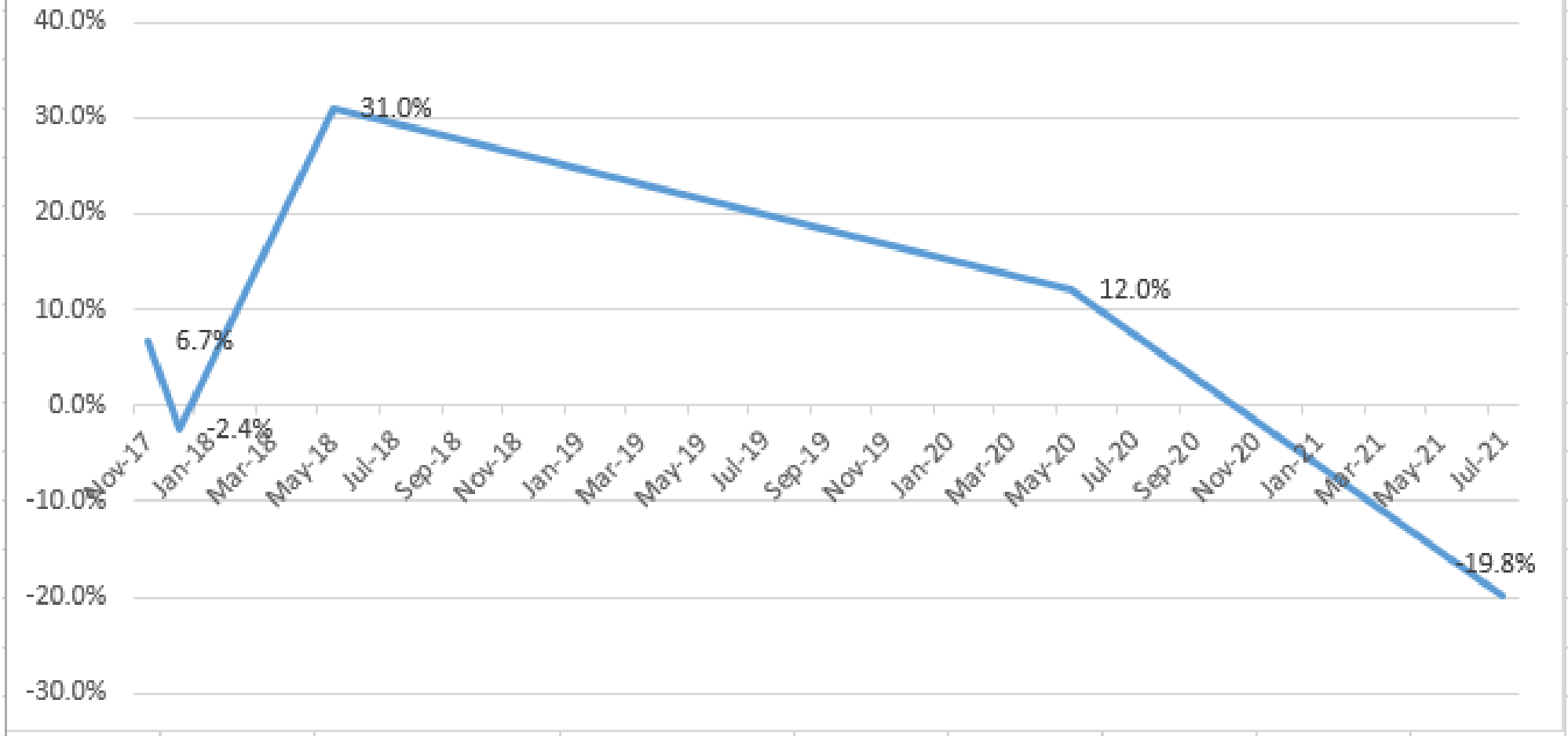


Average # Bidders Auditorium Renovation per project



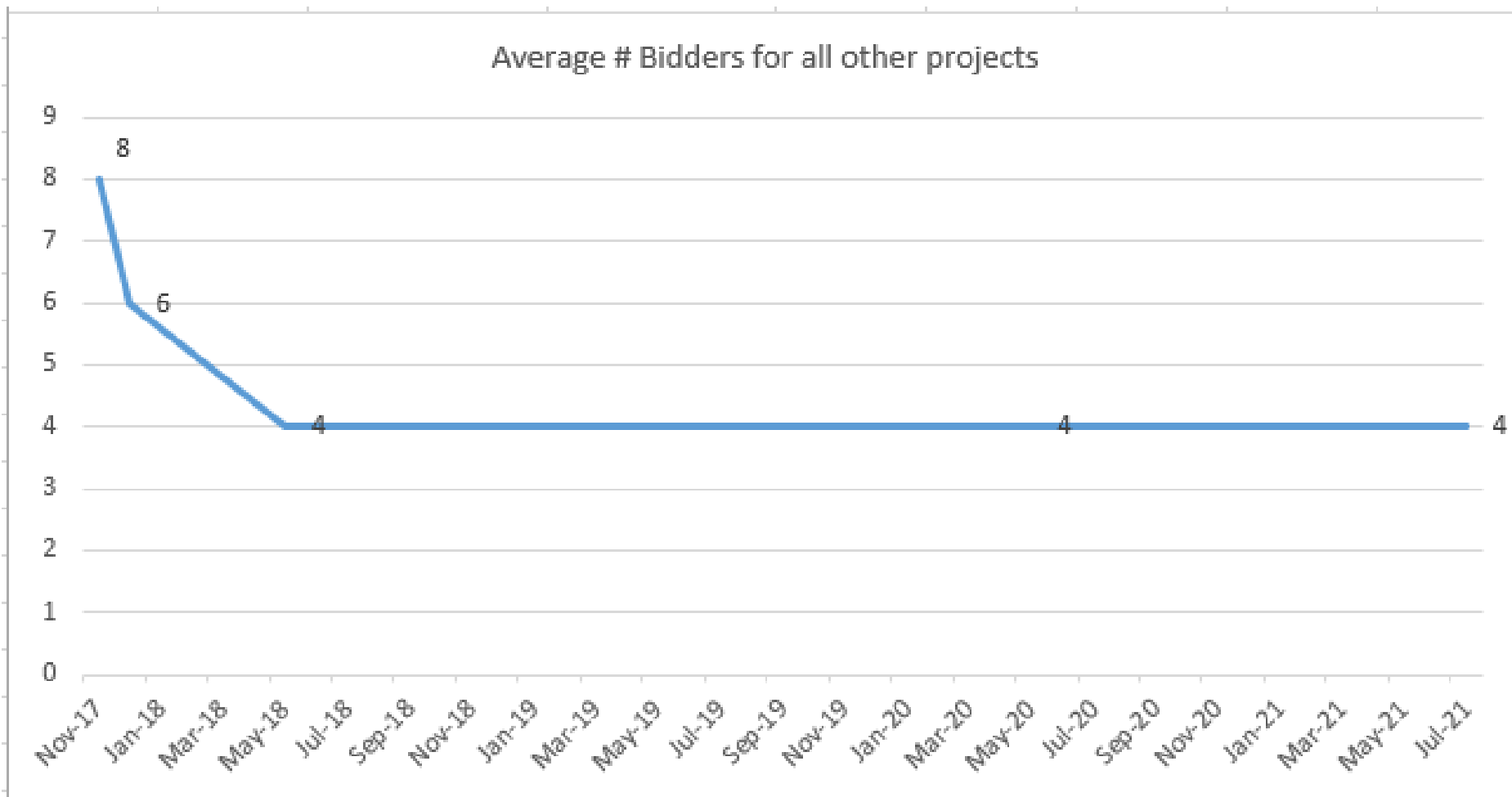
<b>OTHER PROJECTS</b>					
Bid Open Month	# Projects	Average Bid Estimate	Average Contract Award	% Difference	Average # Bidders per project
Nov-17	2	\$1,417,587	\$1,512,500	6.7%	8
Dec-17	1	\$2,108,496	\$2,057,000	-2.4%	6
May-18	1	\$5,462,789	\$7,158,000	31.0%	4
May-20	1	\$2,756,815	\$3,088,400	12.0%	4
Jul-21	1	\$4,186,246	\$3,359,000	-19.8%	4
<b>Total</b>	<b>6</b>				
	<b>Average</b>	<b>\$2,891,587</b>	<b>\$3,114,567</b>	<b>7.7%</b>	<b>5.7</b>

Award vs. Estimate Difference for all other projects



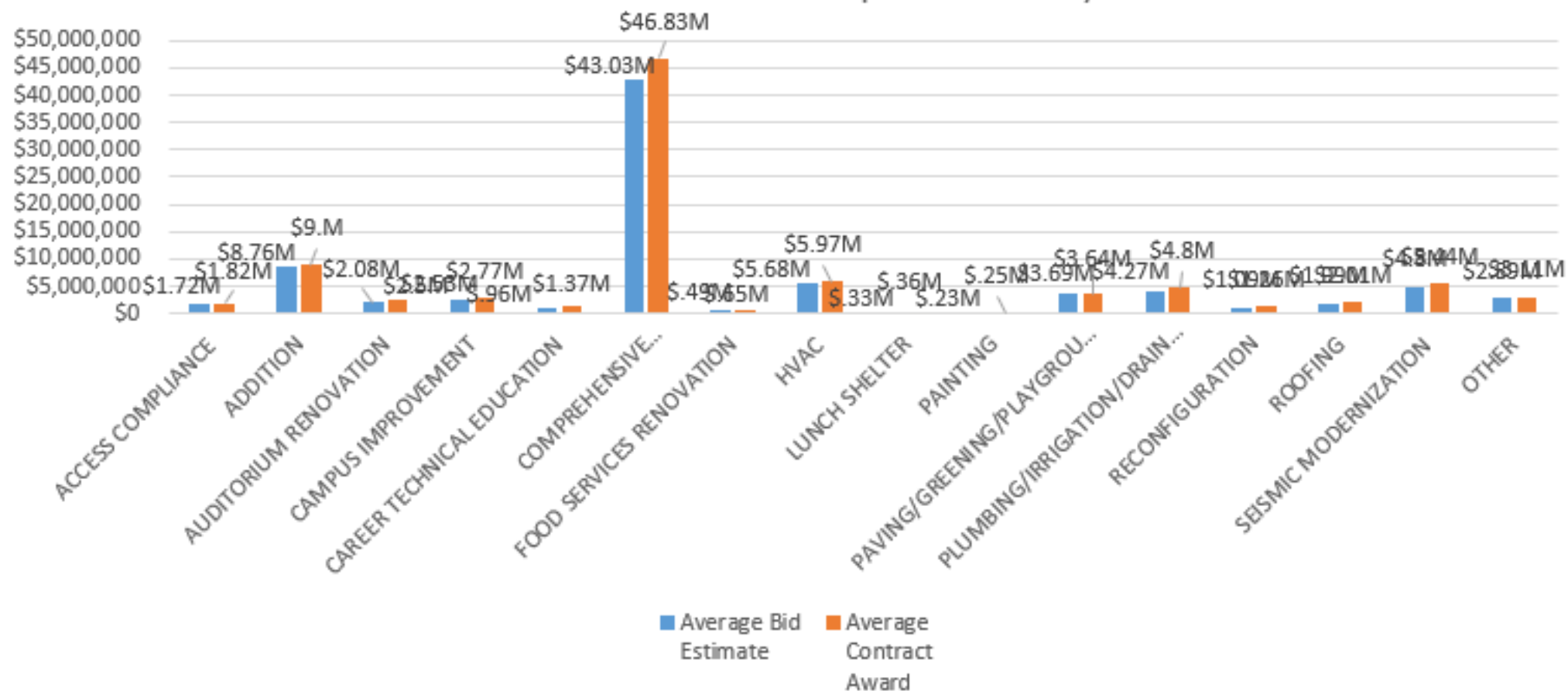


Average # Bidders for all other projects

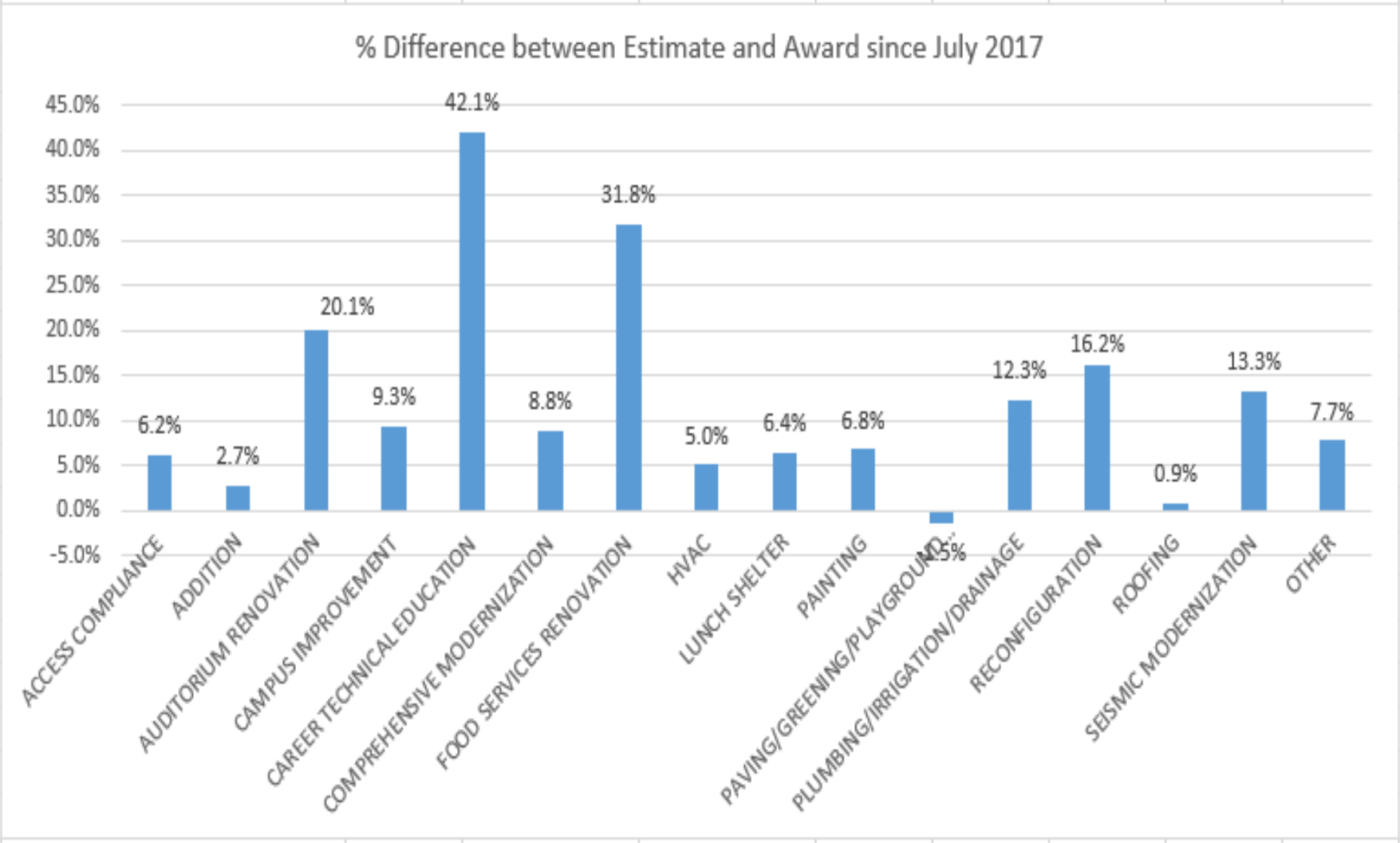


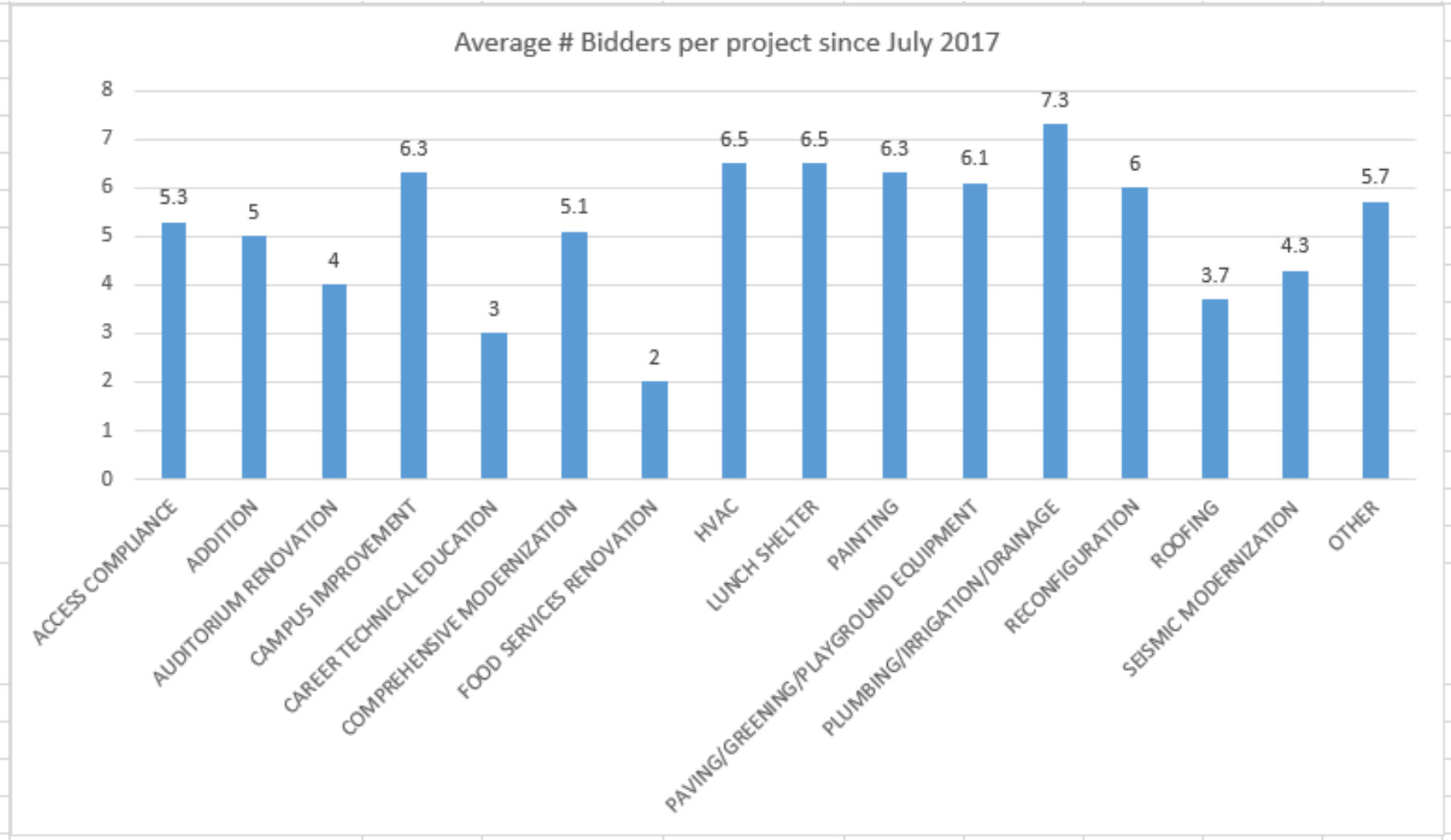
<b>All Projects</b>					
Project Type	# Projects	Average Bid Estimate	Average Contract Award	% Difference	Average # Bidders per project
ACCESS COMPLIANCE	94	\$1,716,359	\$1,823,271	6.2%	5.3
ADDITION	7	\$8,755,574	\$8,995,949	2.7%	5
AUDITORIUM RENOVATION	3	\$2,081,050	\$2,498,333	20.1%	4
CAMPUS IMPROVEMENT	21	\$2,530,841	\$2,767,229	9.3%	6.3
CAREER TECHNICAL EDUCATION	3	\$963,389	\$1,369,000	42.1%	3
COMPREHENSIVE MODERNIZATION	11	\$43,026,399	\$46,829,097	8.8%	5.1
FOOD SERVICES RENOVATION	14	\$494,216	\$651,493	31.8%	2
HVAC	25	\$5,679,705	\$5,966,472	5.0%	6.5
LUNCH SHELTER	4	\$334,540	\$355,983	6.4%	6.5
PAINTING	23	\$232,001	\$247,687	6.8%	6.3
PAVING/GREENING/PLAYGROUND EQUIPMENT	27	\$3,689,814	\$3,635,495	-1.5%	6.1
PLUMBING/IRRIGATION/DRAINAGE	9	\$4,272,461	\$4,797,266	12.3%	7.3
RECONFIGURATION	3	\$1,087,828	\$1,264,206	16.2%	6
ROOFING	14	\$1,990,355	\$2,007,408	0.9%	3.7
SEISMIC MODERNIZATION	15	\$4,803,934	\$5,441,147	13.3%	4.3
OTHER	6	\$2,891,587	\$3,114,567	7.7%	5.7
<b>Total</b>	<b>279</b>	<b>\$1,172,398,100</b>	<b>\$1,258,413,338</b>	<b>7.3%</b>	
	<b>Average</b>	<b>\$4,202,144</b>	<b>\$4,510,442</b>		<b>5</b>

Contract Award vs. Estimate Comparison since July 2017



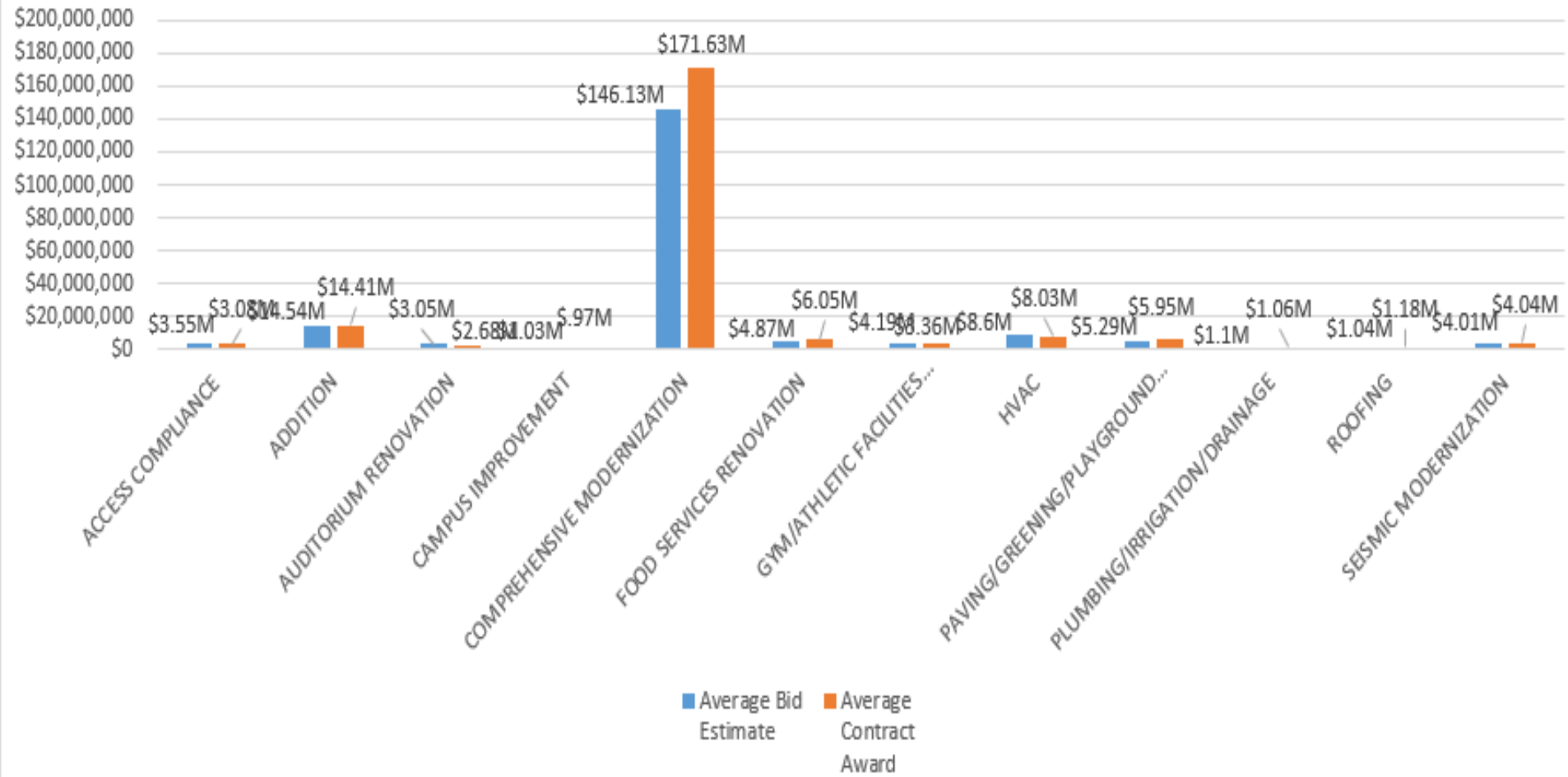
% Difference between Estimate and Award since July 2017



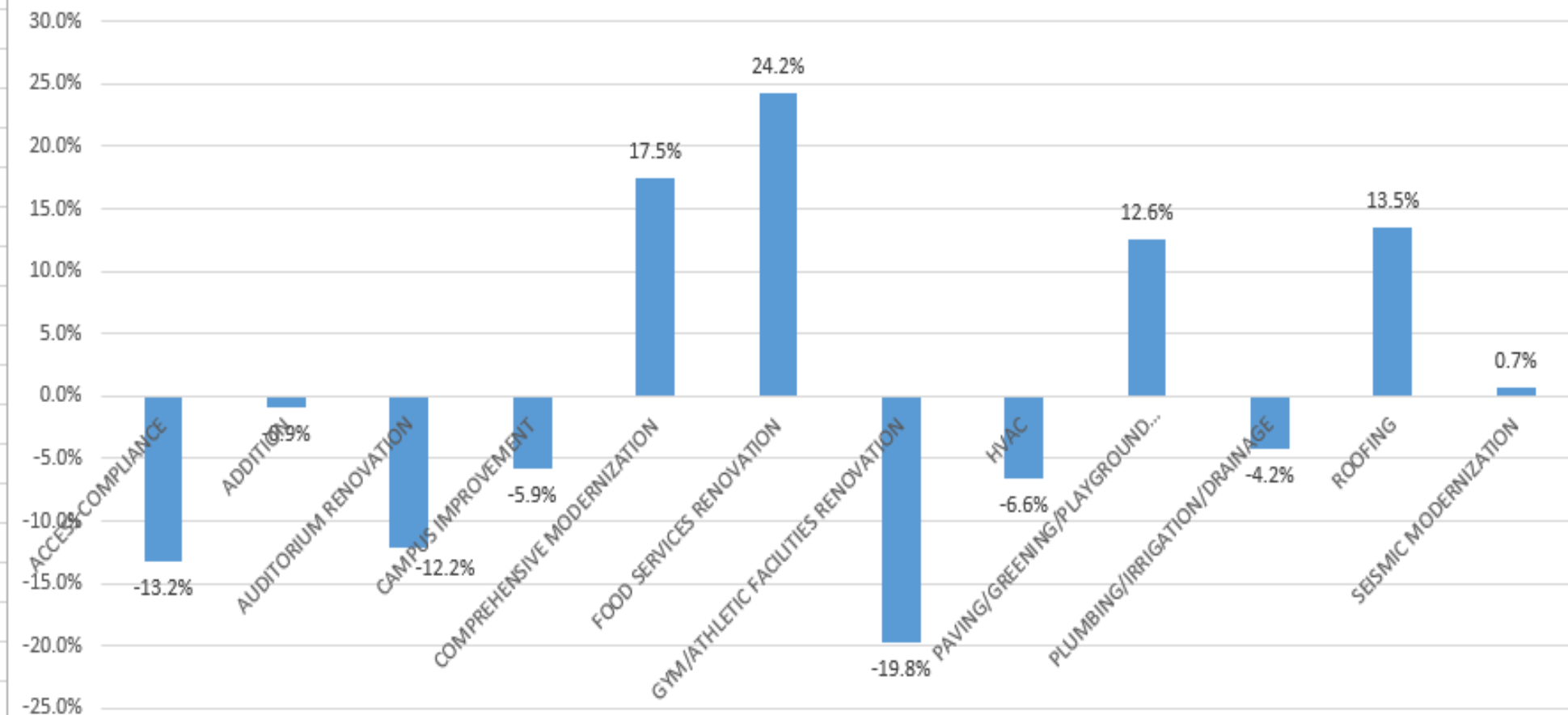


<b>Summary of Bidding Activity per Construction Project Type in 2021</b>					
Project Type	# Projects	Average Bid Estimate	Average Contract Award	% Difference	Average # Bidders per project
ACCESS COMPLIANCE	10	\$3,553,181	\$3,082,800	-13.2%	4.7
ADDITION	2	\$14,540,095	\$14,408,523	-0.9%	5
AUDITORIUM RENOVATION	1	\$3,047,838	\$2,676,000	-12.2%	3
CAMPUS IMPROVEMENT	2	\$1,026,560	\$966,500	-5.9%	8.5
COMPREHENSIVE MODERNIZATION	1	\$146,126,074	\$171,633,000	17.5%	4
FOOD SERVICES RENOVATION	1	\$4,869,530	\$6,050,000	24.2%	5
GYM/ATHLETIC FACILITIES RENOVATION	1	\$4,186,246	\$3,359,000	-19.8%	4
HVAC	2	\$8,600,628	\$8,032,000	-6.6%	4.5
PAVING/GREENING/PLAYGROUND EQUIPMENT	2	\$5,286,765	\$5,954,029	12.6%	7
PLUMBING/IRRIGATION/DRAINAGE	1	\$1,103,199	\$1,057,000	-4.2%	7
ROOFING	3	\$1,039,921	\$1,180,582	13.5%	2.3
SEISMIC MODERNIZATION	1	\$4,008,079	\$4,038,000	0.7%	6
<b>Total</b>	<b>27</b>	<b>\$260,900,632</b>	<b>\$284,987,648</b>	<b>9.2%</b>	
		<b>\$9,662,986</b>	<b>\$10,555,098</b>		<b>4.9</b>

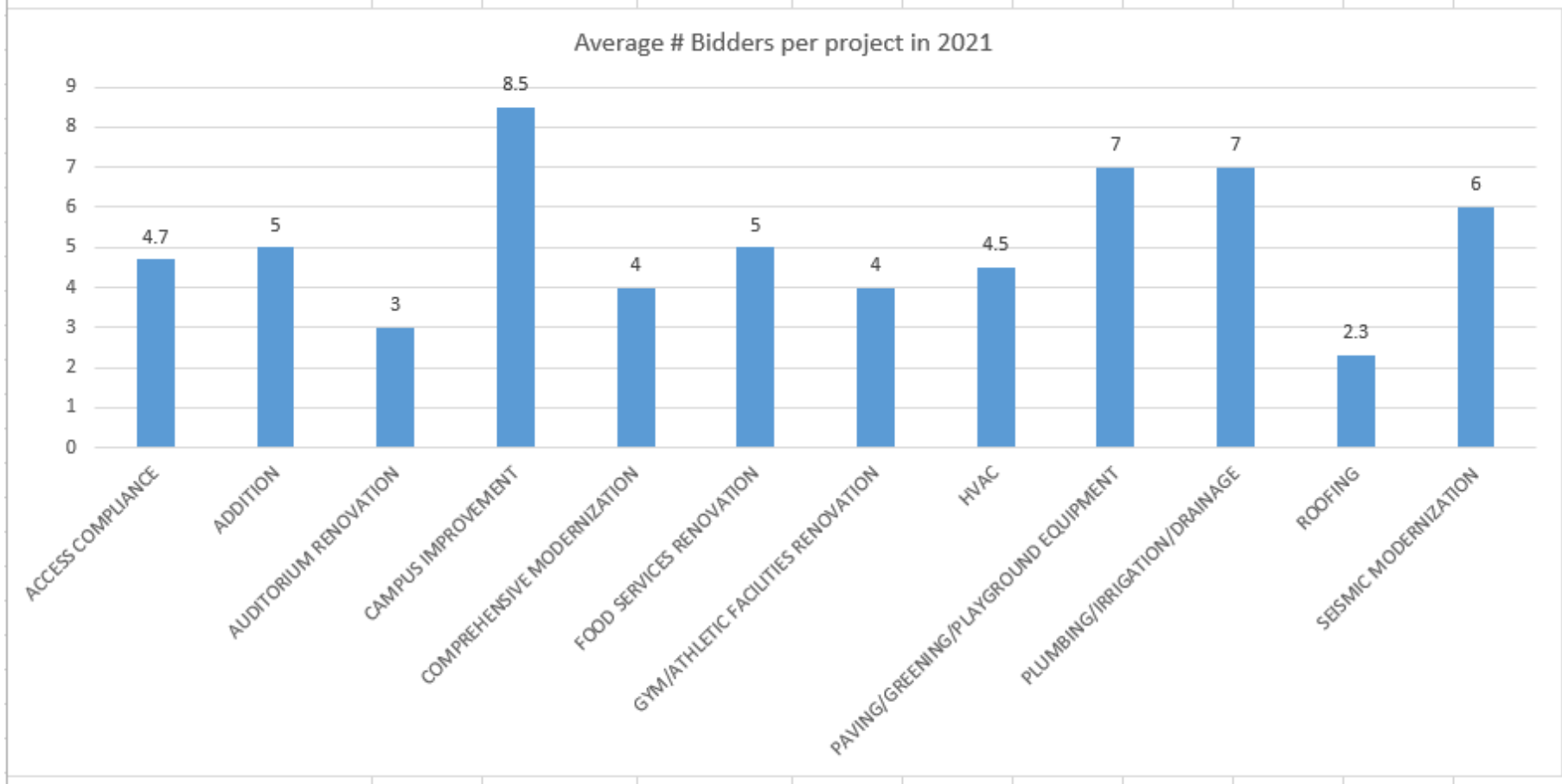
Contract Award vs. Estimate Comparison in 2021



% Difference between Estimate and Award in 2021







<b>Bench Contract type</b>	<b>Contract term</b>	<b>Notes</b>
Architects	01/01/21 through 12/31/25 including two (2) one-year options	
Engineers (Civil, Mechanical, Electrical, Structural, Land Surveying, and Landscape Architecture)	~02/01/21 through 01/31/26	exact dates vary but all executed this year
Construction Management	12/01/19 through 11/30/21 plus three (3) one year renewal options	
<b>CEQA</b>	04/01/17 through 03/31/20 plus two (2) one-year options	<b>expiring next year</b>
<b>Site Assessment</b>	04/01/17 through 03/31/20 plus two (2) one-year options	<b>expiring next year</b>
<b>Asbestos, Lead, Mold, and Hazardous Materials Consulting</b>	03/01/17 to 02/28/20 plus two (2) one-year options	<b>expiring next year</b>
Commissioning	12/01/19 through 11/30/24, includes three (3) one year options	
Constructability Review	06/01/19 through 05/31/22 plus 2 option years	
Geotechnical Engineers	04/01/20 through 03/31/25, includes three (3) one-year renewal options	
DSA Inspectors	05/01/18 through 04/30/23	
Materials Testing & Special Inspection	11/01/20 through 10/31/25; includes two (2) one year renewal options	

***Questions / Comments***