Construction Industry Snapshot

Issued: February 2018
(based on January Starts Stats)

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Marketing Analytics Team

ConstructConnect's January 2018 Starts +9.7% versus Prior Five-year Average

ConstructConnect announced today that January's volume of construction starts, excluding residential activity, was $29.3 billion. January 2018's volume of starts relative to December 2017's level was +35.8%; but January 2018 compared with January 2017 was -22.6%. Comparing January of this year with the annual average for January from the preceding five years, 2013 to 2017, yields an increase of +9.7%.

Contents

January's Notable Points

- January 2018's greater than one-third (+35.8%) rise in total non-residential starts month to month (m/m) originated in the heavy engineering/civil (+72.4%) and institutional (+57.7%) type-of-structure sub-categories. Industrial (0.0%) stayed flat while commercial (-7.3%) fell to a relatively minor degree.
- January's more than one-fifth decline (-22.6%) in total non-residential starts year over year (y/y) was due to weakness in all four of the major type-of-structure sub-categories. Industrial (-89.2%) retreated the most, followed by commercial (-27.4%). The losses suffered by institutional (-9.8%) and heavy engineering/civil (-9.7%) were almost the same.

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ConstructConnect's January 2018 Starts +9.7% versus Prior Five-year Average

TABLE 1: VALUE OF UNITED STATES CONSTRUCTION STARTS — JANUARY 2018 — ConstructConnect®

	Previous Annual		Latest Month		
	2017 ($ billions)	% Change (17 vs 16)	Jan 18 ($ billions)	% Change Jan 18 vs Jan 17	% Change Jan 18 vs Dec 17
Hotel/Motel	28.233	39.5%	1.789	11.9%	51.1%
Retail/Shopping	18.942	-46.4%	1.562	-1.3%	60.4%
Parking Garage	3.229	-29.0%	0.260	63.1%	-42.7%
Amusement	7.639	18.1%	0.704	40.2%	-18.5%
Private Office	26.301	1.0%	1.105	-59.9%	75.4%
Government Office	10.545	-18.6%	0.537	-42.8%	7.5%
Laboratory	2.650	-32.4%	0.039	-67.3%	-80.3%
Warehouse	19.310	30.6%	0.708	-51.5%	-23.8%
Misc. Commercial *	18.761	48.5%	0.948	-33.2%	-62.4%
COMMERCIAL (big subset)	**135.610**	**-0.9%**	**7.652**	**-27.4%**	**-7.3%**
INDUSTRIAL (Manufacturing)	**34.605**	**71.3%**	**0.425**	**-89.2%**	**0.0%**
Religious	2.147	23.5%	0.121	-30.7%	-3.0%
Hospital/Clinic	15.585	-27.3%	1.764	11.6%	204.7%
Nursing/Assisted Living	10.928	12.3%	1.069	117.7%	121.9%
Library/Museum	3.359	4.5%	0.255	-36.7%	81.2%
Fire/Police/Courthouse/Prison	8.423	40.5%	0.699	-22.5%	22.3%
Military	4.998	6.8%	0.272	-6.3%	17.5%
School/College	68.215	-2.7%	3.870	-28.1%	22.5%
Miscellaneous Medical	10.603	35.6%	0.980	24.4%	123.2%
INSTITUTIONAL	**124.259**	**-0.4%**	**9.030**	**-9.8%**	**57.7%**
Misc. Non-residential	7.434	-14.1%	0.545	10.5%	32.3%
NON-RES. BUILDING	**301.908**	**3.9%**	**17.652**	**-29.3%**	**19.1%**
Airport	12.467	87.2%	1.018	344.2%	389.9%
Road/Highway	53.027	3.7%	3.968	-0.5%	75.9%
Bridge	20.591	42.0%	1.881	20.9%	15.9%
Dam/Marine	5.126	37.1%	0.356	16.2%	-25.9%
Water/Sewage	31.989	5.0%	2.291	-62.2%	39.6%
Miscellaneous Civil (power, etc.)	25.351	92.5%	2.153	176.5%	285.5%
HEAVY ENGINEERING (Civil)	**148.551**	**24.2%**	**11.667**	**-9.7%**	**72.4%**
TOTAL	**450.458**	**9.8%**	**29.319**	**-22.6%**	**35.8%**

* Includes transportation terminals and sports arenas.

Source: ConstructConnect Research Group/Table: ConstructConnect.

ConstructConnect® announced today that January's volume of construction starts, excluding residential activity, was $29.3 billion. The fact that some of the monthly starts numbers can display wild swings is confirmed by the following. January 2018's volume of starts relative to December 2017's level was +35.8%; but January 2018 compared with January 2017 was -22.6%.

The outsized percentage changes resulted from December 2017 being abnormally low ($21.6 billion) and January 2017 being inordinately high ($37.9 billion). Usually, it's the presence or absence of a mega project or two that causes the monthly number to display extreme volatility.

Comparing January of this year with the annual average for January from the preceding five years, 2013 to 2017, — i.e., employing a 'smoothing' technique, — yields an increase of +9.7%.

The starts figures throughout this report are not seasonally adjusted (NSA). Nor are they altered for inflation. They are expressed in what are termed 'current' as opposed to 'constant' dollars.

'Non-residential building' plus 'engineering/civil' work accounts for a larger share of total construction than residential activity. The former's combined proportion of total put-in-place construction in the Census Bureau's December report was 59%; the latter's was 41%.

ConstructConnect's construction starts are leading indicators for the Census Bureau's capital investment or put-in-place series. Also, the reporting period for starts (i.e., January 2018) is one month ahead of the reporting period for the investment series (i.e., December 2017.)

During the past three months, the U.S. construction sector has set a blistering pace of jobs growth: November 2017, +42,000; December 2017, +33,000; and January 2018, +36,000. The cumulative climb in on-site employment during that time frame has been +111,000 jobs. The gain of +111,000 has been the second-best performance over three months since the Great Recession. Only the October to December period of 2015 was better, at +134,000 jobs.

According to the latest *Employment Situation* report from the Bureau of Labor Statistics (BLS), the U.S. construction sector is generating jobs at a year-over-year pace that is more than twice as fast as what the whole economy is managing, +3.3% versus +1.5%. In a ranking of sectors, construction's employment performance (+3.3%) is in first place, with 'transportation and warehousing' (+2.9%) in second. Construction's NSA unemployment rate in January 2018 was 7.3%, which is low for winter. Twelve months earlier, in January 2017, it had been 9.4%.

The year-over-year staffing advance at architectural and engineering firms engaged in designing structures — i.e., their work is out-front of field assembly — was also strong in January, +3.0%. Additionally, the BLS provides jobs data for two other segments of the economy with close ties to construction: 'real estate' and 'building material stores'. Both also achieved jobs growth (+1.8% and +2.6% respectively) in January that exceeded the all-positions average (+1.5%).

January 2018's greater than one-third (+35.8%) rise in total non-residential starts month to month (m/m) originated in the heavy engineering/civil (+72.4%) and institutional (+57.7%) type-of-structure sub-categories. Industrial (0.0%) stayed flat while commercial (-7.3%) fell to a relatively minor degree.

January's more than one-fifth decline (-22.6%) in total non-residential starts year over year (y/y) was due to weakness in all four of the major type-of-structure sub-categories. Industrial (-89.2%) retreated the most, followed by commercial (-27.4%). The losses suffered by institutional (-9.8%) and heavy engineering/civil (-9.7%) were almost the same.

For every month of the year except January, the commentary in this report would normally go on to consider year-to-date results. January is unique, however, in that its statistics and year-to-date findings are one and the same. Therefore, the following will discuss both m/m and y/y performances among disaggregated market segments. Also keep in mind that January is too early in the year to leap to too many conclusions about such matters as shifting market shares.

'Road and highway' initiations are usually the biggest component of overall engineering starts. In January 2018, such street starts were outstanding m/m (+75.9%), but lackluster y/y (-0.5%). 'Water/sewage' is also traditionally an important cog in engineering and in the latest month, its starts volume was an upbeat +39.6% m/m, but a dismal -62.2% y/y.

Also note that within engineering in the latest January there were exceptionally perky results for 'airports' (+389.9% m/m and +344.2% y/y) and 'miscellaneous civil' (+285.5% m/m and +176.5% y/y). The latter includes power generation and oil and natural gas pipeline work.

'Schools/colleges' is almost always the biggest market niche within institutional. In January, starts on academic facilities were +22.5% m/m, but -28.1% y/y. The 'hospital/clinic' designation also plays a prominent role in institutional construction. The latest results for groundbreakings on medical facilities were an impressive +204.7% m/m, but a more modest +11.6% y/y.

Within commercial, there is often considerable diversity as to which of several ensemble members will take its turn in the spotlight. At this present moment, 'hotel/motel' starts are +51.1% m/m and +11.9% y/y. 'Retail/shopping' is +60.4% m/m, but -1.3% y/y. And 'private office building' starts are way ahead m/m (+75.4%), but are lagging badly y/y (-59.9%).

The six graphs on page 5 show 12-month moving average trend lines of starts for many of the major type-of-construction sub-categories. There have been more slopes that have been falling recently rather than rising. Among the structure types taking descending paths have been 'retail', 'private office buildings', 'schools' and 'water/sewage'. There have also been a couple, however, displaying sharp upwards turns — 'miscellaneous civil (i.e., power and energy)' and 'bridges'.

Included in the BLS *Employment Situation* report are two tables on workplace compensation levels which analysts scour for evidence of quickly rising wages, since such a turn of events may forewarn of more aggressive interest rate hikes by the Federal Reserve to dampen inflationary tendencies. BLS Table B-3 includes 'supervisory personnel' while BLS Table B-8 does not.

Table B-3 is currently showing average earnings of all workers to be +2.9% y/y hourly and +2.6% y/y weekly. The comparable figures for construction workers are the same, +2.9% hourly and +2.6% weekly. Table B-8 has all workers (excluding bosses) at +2.4% y/y both hourly and weekly. Construction workers as a sub-set within Table B-8 are doing better at +2.9% hourly and +3.1% weekly. Note, however, that the +3.1% y/y weekly for construction is down significantly from the +5.3% y/y weekly that was reported by the BLS a month ago, in December 2017.

The value of construction starts each month is summarized from ConstructConnect's database of all active construction projects in the U.S. Missing project values are estimated with the help of RSMeans' building cost models.

ConstructConnect's non-residential construction starts series, because it is comprised of total-value estimates for individual projects, some of which are ultra-large, has a history of being more volatile than many other leading indicators for the economy.♦

Alex Carrick

ConstructConnect has now moved to a better-targeted and research-assigned 'start' date. Prior to January 2017, the 'start' date was recorded as occurring within 30 to 60 days of the announced bid date. In concept, a 'start' is equivalent to ground being broken for a project to proceed. If work is abandoned or re-bid, the 'start' date is revised to reflect the new information..

Alex Carrick is Chief Economist for ConstructConnect. He has delivered presentations throughout North America on the U.S., Canadian and world construction outlooks. Mr. Carrick has been with the company since 1985. Links to his numerous articles are featured on Twitter @ConstructConnx, which has 48,000 followers.

TABLE 2: VALUE OF UNITED STATES CONSTRUCTION STARTS — ConstructConnect® INSIGHT VERSION — JANUARY 2018 ARRANGED TO MATCH THE ALPHABETICAL CATEGORY DROP-DOWN MENUS IN INSIGHT

		Previous Annual		Latest Month		
		2017 ($ billions)	% Change (17 vs 16)	Jan 18 ($ billions)	% Change Jan 18 vs Jan 17	% Change Jan 18 vs Dec 17
Summary						
CIVIL		148.551	24.2%	11.667	-9.7%	72.4%
NON-RESIDENTIAL BUILDING		301.908	3.9%	17.652	-29.3%	19.1%
RESIDENTIAL		311.341	13.8%	18.835	-16.3%	5.9%
GRAND TOTAL		761.799	11.4%	48.154	-20.3%	22.3%
Verticals						
	Airport	12.467	87.2%	1.018	344.2%	389.9%
	All Other Civil	15.356	33.2%	0.927	46.2%	94.3%
	Bridges	20.591	42.0%	1.881	20.9%	15.9%
	Dams / Canals / Marine Work	5.126	37.1%	0.356	16.2%	-25.9%
	Power Infrastructure	9.995	508.1%	1.226	747.8%	1402.9%
	Roads	53.027	3.7%	3.968	-0.5%	75.9%
	Water and Sewage Treatment	31.989	5.0%	2.291	-62.2%	39.6%
CIVIL		148.551	24.2%	11.667	-9.7%	72.4%
	Offices (private)	26.301	1.0%	1.105	-59.9%	75.4%
	Parking Garages	3.229	-29.0%	0.260	63.1%	-42.7%
	Transportation Terminals	3.675	-20.3%	0.382	183.3%	2.1%
Commercial (small subset)		33.204	-5.7%	1.747	-42.7%	19.8%
	Amusement	7.639	18.1%	0.704	40.2%	-18.5%
	Libraries / Museums	3.359	4.5%	0.255	-36.7%	81.2%
	Religious	2.147	23.5%	0.121	-30.7%	-3.0%
	Sports Arenas / Convention Centers	15.087	88.1%	0.566	-55.9%	-73.6%
Community		28.231	45.2%	1.646	-30.3%	-49.8%
	College / University	21.740	-11.9%	1.213	-33.6%	61.7%
	Elementary / Pre School	18.619	-8.4%	0.962	-28.3%	16.1%
	Jr / Sr High School	26.021	10.9%	1.613	-23.5%	9.5%
	Special / Vocational	1.836	11.2%	0.083	-23.0%	-22.4%
Educational		68.215	-2.7%	3.870	-28.1%	22.5%
	Courthouses	2.648	107.6%	0.125	33.1%	-51.0%
	Fire and Police Stations	2.864	0.0%	0.245	66.6%	13.7%
	Government Offices	10.545	-18.6%	0.537	-42.8%	7.5%
	Prisons	2.912	56.8%	0.330	-50.2%	223.0%
Government		18.968	0.0%	1.236	-32.9%	15.4%
	Industrial Labs / Labs / School Labs	2.650	-32.4%	0.039	-67.3%	-80.3%
	Manufacturing	34.605	71.3%	0.425	-89.2%	0.0%
	Warehouses	19.310	30.6%	0.708	-51.5%	-23.8%
Industrial		56.565	45.4%	1.172	-78.7%	-24.5%
	Hospitals / Clinics	15.585	-27.3%	1.764	11.6%	204.7%
	Medical Misc.	10.603	35.6%	0.980	24.4%	123.2%
	Nursing Homes	10.928	12.3%	1.069	117.7%	121.9%
Medical		37.116	-4.8%	3.813	33.3%	154.2%
Military		4.998	6.8%	0.272	-6.3%	17.5%
	Hotels	28.233	39.5%	1.789	11.9%	51.1%
	Retail Misc.	7.434	-14.1%	0.545	10.5%	32.3%
	Shopping	18.942	-46.4%	1.562	-1.3%	60.4%
Retail		54.609	-14.9%	3.896	6.1%	51.6%
NON-RESIDENTIAL BUILDING		301.908	3.9%	17.652	-29.3%	19.1%
	Multi-Family	110.837	27.5%	5.449	-44.1%	9.5%
	Single-Family	200.504	7.4%	13.386	5.0%	4.5%
RESIDENTIAL		311.341	13.8%	18.835	-16.3%	5.9%
NON-RESIDENTIAL		450.458	9.8%	29.319	-22.6%	35.8%
GRAND TOTAL		761.799	11.4%	48.154	-20.3%	22.3%

Table 1 conforms to the type-of-structure ordering adopted by many firms and organizations in the industry. Specifically, it breaks non-residential building into ICI work (i.e., industrial, commercial and institutional), since each has its own set of economic and demographic drivers. Table 2 presents an alternative, perhaps more user-friendly and intuitive type-of-structure ordering that matches how the data appears in ConstructConnect's on-line product 'Insight'.

Source: ConstructConnect/Table: ConstructConnect.

TABLE 3: ConstructConnect's TOP 10 PROJECT STARTS IN JANUARY 2018

LOCATION (EAST TO WEST)	TYPE OF CONSTRUCTION	DESCRIPTION	SQUARE FEET 000S*	DOLLARS 000,000S
Maryland				
Largo	Institutional	Prince George's Regional Medical Center (1 structure; 11 stories; 240 beds) Hospital Dr and Arena Dr Dimension Healthcare System	600	$543
Ohio				
Cincinnati	Institutional	Cincinnati Children's Hospital Medical Center Expansion (3 structures; 8 stories; 150 beds) 3333 Burnet Ave Cincinnati Childrens Hospital Medical Center	650	$650
Missouri				
Grandview	Commercial	Loews Kansas City Convention Center Hotel (5 structures; 28 stories; 800 rooms) 1515 Wyandotte St Loews Hotels	823	$324
Louisiana				
Westlake	Engineering/Civil	Entergy Louisiana Natural Gas Power Plant / Westlake (1 structure) 3500 Houston River Rd Entergy	*	$872
Utah				
Salt Lake City	Engineering/Civil	Salt Lake City Dept. of Airports North Concourse Program (2 structures; 3 stories) 776 N Terminal Dr Salt Lake City Department of Airports	840	$737
Arizona				
Phoenix	Engineering/Civil	PHX Sky Train Stage 2 (2 structures) 3400 E Sky Harbor Blvd City of Phoenix	*	$280
Tempe	Institutional	Mira Bella Senior Living Tower (1 structure; 20 stories; 252 units) Mill Ave and University Dr Pacific Retirement Services	500	$270
California				
Oakland	Commercial	The Key at 12th (4 structures; 26 stories; 145 units) 1100 Broadway Ellis Partners	334	$300
Los Angeles	Commercial	Los Angeles Memorial Coliseum Renovation / University of Southern California (2 structures; 7 stories; 77,500 seats) 3911 S Figueroa St University of Southern California - Capital Construction and Facilities Purchasing	240	$270
Riverside	Engineering/Civil	RCTC - Project and Construction Management Services for the Interstate 15 Express Lanes Project Riverside County Transportation Commission (RCTC)	*	$244
TOTALS:			**3,987**	**$4,490**

*A square footage measure does not apply for alteration, some forms of industrial (e.g., petrochemical) and most engineering/civil work.

Source: ConstructConnect/Table: ConstructConnect.

Construction Industry Snapshot

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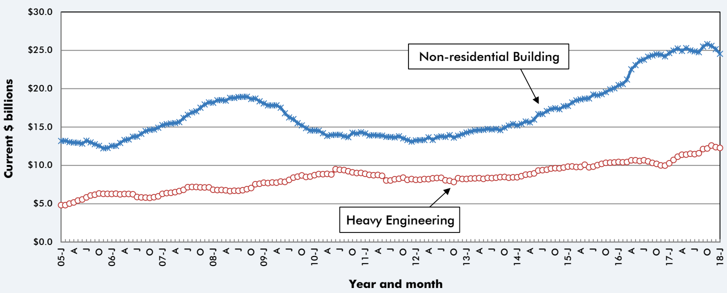
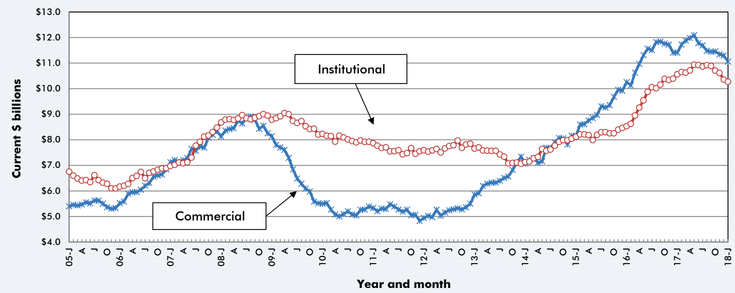
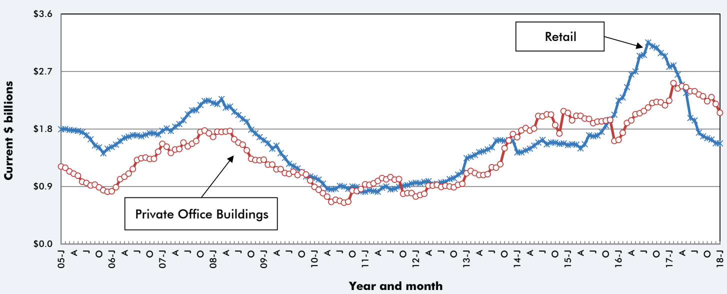
GRAPH 1: U.S. NON-RESIDENTIAL CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



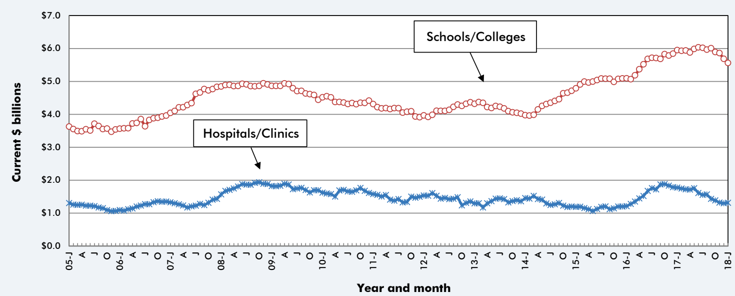
GRAPH 2: U.S. COMMERCIAL AND INSTITUTIONAL CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



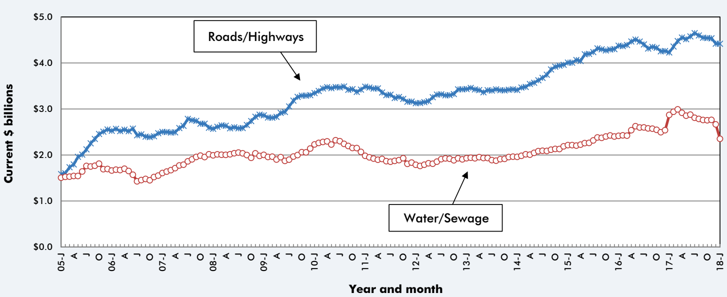
GRAPH 3: U.S. RETAIL AND PRIVATE OFFICE BUILDING CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



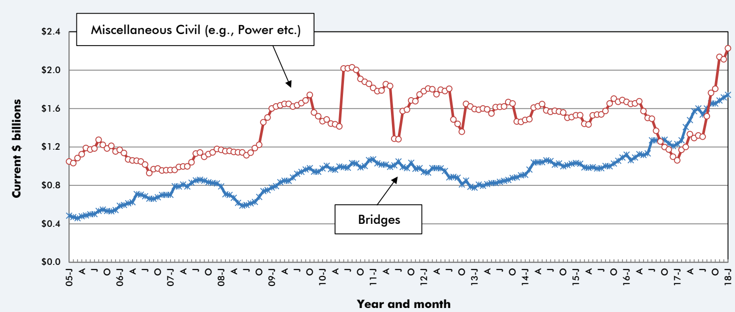
GRAPH 4: U.S. HOSPITAL/CLINIC AND SCHOOL/COLLEGE CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



GRAPH 5: U.S. ROAD/HIGHWAY AND WATER/SEWAGE CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



GRAPH 6: U.S. BRIDGES AND MISCELLANEOUS CIVIL CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



Source: ConstructConnect/Charts: ConstructConnect.

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TABLE 4: U.S. YEAR-TO-DATE REGIONAL STARTS NON-RESIDENTIAL CONSTRUCTION* — ConstructConnect®

	January 2017	January 2018	% Change
Connecticut	$231,164,293	$110,215,691	-52.3%
Maine	$47,430,079	$125,093,849	163.7%
Massachusetts	$666,238,474	$410,158,964	-38.4%
New Hampshire	$47,450,617	$48,772,064	2.8%
Rhode Island	$120,044,284	$119,073,141	-0.8%
Vermont	$24,583,962	$43,258,756	76.0%
Total New England	$1,136,911,709	$856,572,465	-24.7%
New Jersey	$1,452,107,340	$478,140,040	-67.1%
New York	$2,412,975,702	$1,416,208,480	-41.3%
Pennsylvania	$1,009,856,833	$981,710,429	-2.8%
Total Middle Atlantic	$4,874,939,875	$2,876,058,949	-41.0%
TOTAL NORTHEAST	$6,011,851,584	$3,732,631,414	-37.9%
Illinois	$615,394,638	$556,812,999	-9.5%
Indiana	$373,956,056	$287,869,873	-23.0%
Michigan	$4,803,991,907	$365,737,129	-92.4%
Ohio	$917,554,360	$1,374,386,355	49.8%
Wisconsin	$492,621,937	$408,525,410	-17.1%
Total East North Central	$7,203,518,898	$2,993,331,766	-58.4%
Iowa	$140,497,426	$207,314,950	47.6%
Kansas	$236,426,303	$463,435,070	96.0%
Minnesota	$220,452,459	$230,892,651	4.7%
Missouri	$301,742,970	$861,002,065	185.3%
Nebraska	$289,237,108	$133,171,461	-54.0%
North Dakota	$179,977,877	$193,312,143	7.4%
South Dakota	$83,461,243	$173,619,093	108.0%
Total West North Central	$1,451,795,386	$2,262,747,433	55.9%
TOTAL MIDWEST	$8,655,314,284	$5,256,079,199	-39.3%
Delaware	$337,783,919	$18,534,886	-94.5%
District of Columbia	$76,770,901	$142,543,536	85.7%
Florida	$2,227,211,700	$1,885,489,121	-15.3%
Georgia	$1,280,395,447	$704,637,145	-45.0%
Maryland	$306,373,766	$1,069,419,389	249.1%
North Carolina	$879,619,637	$691,002,737	-21.4%
South Carolina	$594,902,291	$644,756,121	8.4%
Virginia	$716,290,032	$687,711,705	-4.0%
West Virginia	$174,873,926	$69,174,078	-60.4%
Total South Atlantic	$6,594,221,619	$5,913,268,718	-10.3%
Alabama	$408,295,861	$517,063,074	26.6%
Kentucky	$393,664,100	$288,286,771	-26.8%
Mississippi	$188,923,499	$113,451,450	-39.9%
Tennessee	$559,393,908	$621,417,199	11.1%
Total East South Central	$1,550,277,368	$1,540,218,494	-0.6%
Arkansas	$314,568,388	$282,735,356	-10.1%
Louisiana	$1,388,700,930	$1,173,771,985	-15.5%
Oklahoma	$364,968,317	$676,764,694	85.4%
Texas	$3,663,318,419	$2,852,264,052	-22.1%
Total West South Central	$5,731,556,054	$4,985,536,087	-13.0%
TOTAL SOUTH	$13,876,055,041	$12,439,023,299	-10.4%
Arizona	$513,216,690	$946,702,221	84.5%
Colorado	$315,873,390	$460,607,633	45.8%
Idaho	$117,729,517	$87,674,080	-25.5%
Montana	$81,946,668	$37,528,258	-54.2%
Nevada	$265,919,150	$220,782,155	-17.0%
New Mexico	$160,816,645	$158,861,251	-1.2%
Utah	$765,135,876	$1,009,301,779	31.9%
Wyoming	$44,217,906	$29,849,693	-32.5%
Total Mountain	$2,264,855,842	$2,951,307,070	30.3%
Alaska	$107,383,806	$159,686,399	48.7%
California	$5,805,346,638	$3,406,798,866	-41.3%
Hawaii	$144,868,146	$364,846,794	151.8%
Oregon	$241,507,830	$301,304,055	24.8%
Washington	$778,185,740	$707,048,283	-9.1%
Total Pacific	$7,077,292,160	$4,939,684,397	-30.2%
TOTAL WEST	$9,342,148,002	$7,890,991,467	-15.5%
TOTAL U.S.	$37,885,368,911	$29,318,725,379	-22.6%

*Figures above are comprised of non-res building and engineering (i.e., residential is omitted).

Source: ConstructConnect/Table: ConstructConnect.

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TABLE 5: VALUE OF U.S. NATIONAL CONSTRUCTION STARTS — JANUARY 2018 — ConstructConnect®
BILLIONS OF CURRENT $S, NOT SEASONALLY ADJUSTED (NSA)

	Latest month actuals			Moving averages (placed in end month) 3-months			12-months			Year to Date.	
	Nov 17	Dec 17	Jan 18	Nov 17	Dec 17	Jan 18	Nov 17	Dec 17	Jan 18	January 2017	January 2018
Single Family	16.287	12.810	13.386	16.860	15.626	14.161	16.706	16.709	16.762	12.749	13.386
month-over-month % change	-8.4%	-21.3%	4.5%	-3.8%	-7.3%	-9.4%	0.8%	0.0%	0.3%		
year-over-year % change	11.4%	0.2%	5.0%	5.1%	4.0%	5.8%	7.6%	7.4%	7.4%	4.0%	5.0%
Apartment	7.645	4.974	5.449	8.233	7.288	6.023	9.392	9.236	8.878	9.751	5.449
month-over-month % change	-17.3%	-34.9%	9.5%	-6.2%	-11.5%	-17.4%	0.5%	-1.7%	-3.9%		
year-over-year % change	7.3%	-27.3%	-44.1%	17.5%	-2.1%	-23.8%	28.1%	27.5%	16.6%	84.6%	-44.1%
TOTAL RESIDENTIAL	23.932	17.784	18.835	25.093	22.914	20.184	26.098	25.945	25.640	22.500	18.835
month-over-month % change	-11.4%	-25.7%	5.9%	-4.6%	-8.7%	-11.9%	0.7%	-0.6%	-1.2%		
year-over-year % change	10.0%	-9.4%	-16.3%	8.8%	1.9%	-5.2%	14.2%	13.8%	10.4%	28.3%	-16.3%
Hotel/Motel	1.803	1.184	1.789	2.142	1.752	1.592	2.370	2.353	2.369	1.598	1.789
month-over-month % change	-20.5%	-34.3%	51.1%	-3.5%	-18.2%	-9.1%	0.5%	-0.7%	0.7%		
year-over-year % change	8.0%	-14.9%	11.9%	12.6%	1.5%	2.5%	37.7%	39.5%	39.4%	10.5%	11.9%
Retail/Shopping	1.054	0.973	1.562	1.387	1.271	1.197	1.635	1.578	1.577	1.582	1.562
month-over-month % change	-40.9%	-7.7%	60.4%	-14.5%	-8.4%	-5.8%	-1.3%	-3.5%	-0.1%		
year-over-year % change	-19.3%	-41.3%	-1.3%	-23.5%	-25.4%	-21.0%	-45.3%	-46.4%	-43.2%	-56.1%	-1.3%
Parking Garages	0.083	0.454	0.260	0.255	0.344	0.266	0.249	0.269	0.277	0.160	0.260
month-over-month % change	-83.3%	449.3%	-42.7%	-9.2%	34.8%	-22.8%	-9.4%	8.0%	3.1%		
year-over-year % change	-79.0%	112.1%	63.1%	-25.2%	20.3%	3.8%	-33.0%	-29.0%	-27.4%	31.6%	63.1%
Amusement	0.333	0.863	0.704	0.535	0.634	0.633	0.603	0.637	0.653	0.502	0.704
month-over-month % change	-52.8%	159.5%	-18.5%	-10.5%	18.4%	-0.1%	-5.0%	5.5%	2.6%		
year-over-year % change	-53.3%	85.5%	40.2%	-10.1%	-0.3%	13.1%	-5.0%	18.1%	19.4%	24.0%	40.2%
Office	1.938	0.630	1.105	1.658	1.252	1.225	2.298	2.192	2.054	2.754	1.105
month-over-month % change	63.2%	-67.5%	75.4%	9.0%	-24.5%	-2.2%	2.8%	-4.6%	-6.3%		
year-over-year % change	62.9%	-66.9%	-59.9%	-9.3%	-27.7%	-37.2%	3.6%	1.0%	-8.5%	47.3%	-59.9%
Governmental Offices	0.653	0.499	0.537	0.719	0.655	0.563	0.954	0.879	0.845	0.940	0.537
month-over-month % change	-19.5%	-23.5%	7.5%	-8.1%	-9.0%	-14.0%	-0.4%	-7.9%	-3.8%		
year-over-year % change	-6.6%	-64.3%	-42.8%	-4.5%	-33.9%	-44.4%	-5.8%	-18.6%	-21.5%	-4.9%	-42.8%
Laboratories	0.186	0.198	0.039	0.134	0.175	0.141	0.217	0.221	0.214	0.119	0.039
month-over-month % change	31.4%	6.8%	-80.3%	42.6%	30.7%	-19.5%	0.5%	1.8%	-3.0%		
year-over-year % change	8.1%	31.1%	-67.3%	7.6%	31.5%	-4.3%	-33.2%	-32.4%	-32.4%	-49.0%	-67.3%
Warehouse	1.162	0.929	0.708	1.361	1.203	0.933	1.619	1.609	1.547	1.460	0.708
month-over-month % change	-23.4%	-20.1%	-23.8%	-19.0%	-11.6%	-22.5%	-0.9%	-0.6%	-3.9%		
year-over-year % change	-13.2%	-10.9%	-51.5%	-6.5%	-14.2%	-27.1%	31.3%	30.6%	20.7%	67.4%	-51.5%
Misc Commercial	0.550	2.521	0.948	1.057	1.686	1.340	1.401	1.563	1.524	1.418	0.948
month-over-month % change	-72.3%	358.0%	-62.4%	0.2%	59.4%	-20.5%	-6.0%	11.6%	-2.5%		
year-over-year % change	-66.0%	338.7%	-33.2%	8.0%	80.1%	11.2%	14.9%	48.5%	40.1%	43.4%	-33.2%
TOTAL COMMERCIAL	7.762	8.253	7.652	9.249	8.970	7.889	11.346	11.301	11.061	10.533	7.652
month-over-month % change	-28.8%	6.3%	-7.3%	-6.1%	-3.0%	-12.1%	-1.0%	-0.4%	-2.1%		
year-over-year % change	-14.7%	-6.2%	-27.4%	-5.5%	-6.0%	-16.8%	-3.2%	-0.9%	-3.1%	0.1%	-27.4%
TOTAL INDUSTRIAL (Manufacturing)	0.507	0.425	0.425	6.003	2.590	0.453	2.978	2.884	2.592	3.923	0.425
month-over-month % change	-92.6%	-16.1%	0.0%	-8.5%	-56.9%	-82.5%	-0.9%	-3.2%	-10.1%		
year-over-year % change	-39.6%	-72.6%	-89.2%	637.3%	152.0%	-78.5%	78.5%	71.3%	32.1%	577.9%	-89.2%
Religious	0.108	0.125	0.121	0.133	0.136	0.118	0.181	0.179	0.174	0.175	0.121
month-over-month % change	-38.7%	15.9%	-3.0%	-11.0%	2.7%	-13.4%	-1.4%	-1.3%	-2.5%		
year-over-year % change	-22.6%	-18.2%	-30.7%	-12.9%	-12.5%	-24.2%	24.9%	23.5%	20.1%	2.3%	-30.7%
Hosptials/Clinics	0.797	0.579	1.764	0.853	0.769	1.047	1.319	1.299	1.314	1.581	1.764
month-over-month % change	-14.2%	-27.4%	204.7%	-9.0%	-9.9%	36.2%	-4.7%	-1.6%	1.2%		
year-over-year % change	-49.6%	-29.9%	11.6%	-53.8%	-41.2%	-21.3%	-28.1%	-27.3%	-26.0%	-7.8%	11.6%
Nursing/Assisted Living	0.995	0.482	1.069	0.958	0.827	0.848	0.939	0.911	0.959	0.491	1.069
month-over-month % change	-0.9%	-51.6%	121.9%	5.5%	-13.7%	2.6%	1.0%	-3.0%	5.3%		
year-over-year % change	12.2%	-41.3%	117.7%	12.9%	-9.6%	15.8%	18.6%	12.3%	22.7%	-41.9%	117.7%
Libraries/Museums	0.147	0.141	0.255	0.215	0.157	0.181	0.310	0.280	0.268	0.403	0.255
month-over-month % change	-19.6%	-4.0%	81.2%	-25.8%	-26.9%	15.5%	1.6%	-9.6%	-4.4%		
year-over-year % change	63.0%	-71.6%	-36.7%	16.7%	-41.2%	-45.1%	25.4%	4.5%	-7.2%	160.3%	-36.7%
Fire/Police/Courthouse/Prison	0.392	0.572	0.699	0.580	0.553	0.554	0.693	0.702	0.685	0.902	0.699
month-over-month % change	-43.5%	45.9%	22.3%	-14.5%	-4.8%	0.3%	-0.7%	1.3%	-2.4%		
year-over-year % change	-13.1%	23.9%	-22.5%	15.3%	1.9%	-8.3%	40.4%	40.5%	23.6%	262.5%	-22.5%
Military	0.588	0.231	0.272	0.690	0.533	0.364	0.407	0.417	0.415	0.290	0.272
month-over-month % change	-24.7%	-60.7%	17.5%	17.5%	-22.7%	-31.8%	-1.5%	2.4%	-0.4%		
year-over-year % change	-11.4%	105.8%	-6.3%	6.8%	15.2%	2.3%	-1.9%	6.8%	9.0%	-27.9%	-6.3%
Schools/Colleges	3.458	3.158	3.870	4.138	3.771	3.496	5.860	5.685	5.559	5.380	3.870
month-over-month % change	-26.4%	-8.7%	22.5%	-10.1%	-8.9%	-7.3%	-0.5%	-3.0%	-2.2%		
year-over-year % change	-10.0%	-40.0%	-28.1%	-9.2%	-25.5%	-27.6%	1.3%	-2.7%	-6.6%	31.6%	-28.1%
Misc Medical	0.727	0.439	0.980	0.760	0.630	0.715	0.908	0.884	0.900	0.788	0.980
month-over-month % change	0.6%	-39.6%	123.2%	-23.5%	-17.2%	13.6%	0.8%	-2.7%	1.8%		
year-over-year % change	13.2%	-39.7%	24.4%	-5.2%	-19.8%	-0.5%	44.3%	35.6%	31.0%	113.5%	24.4%
TOTAL INSTITUTIONAL	7.212	5.727	9.030	8.326	7.375	7.323	10.616	10.355	10.273	10.010	9.030
month-over-month % change	-21.5%	-20.6%	57.7%	-9.0%	-11.4%	-0.7%	-0.8%	-2.5%	-0.8%		
year-over-year % change	-13.1%	-35.4%	-9.8%	-12.7%	-22.3%	-19.1%	2.7%	-0.4%	-2.7%	25.2%	-9.8%
Misc Non Residential	0.479	0.412	0.545	0.586	0.477	0.478	0.638	0.619	0.624	0.493	0.545
month-over-month % change	-11.4%	-14.0%	32.3%	-10.7%	-18.6%	0.3%	-2.3%	-2.9%	0.7%		
year-over-year % change	-27.6%	-34.8%	10.5%	-20.2%	-30.1%	-19.6%	-10.9%	-14.1%	-12.6%	-15.4%	10.5%
TOTAL NON-RES BUILDING	15.960	14.817	17.652	24.165	19.413	16.143	25.578	25.159	24.550	24.959	17.652
month-over-month % change	-41.9%	-7.2%	19.1%	-7.8%	-19.7%	-16.8%	-0.9%	-1.6%	-2.4%		
year-over-year % change	-15.6%	-25.3%	-29.3%	15.8%	-6.4%	-24.0%	4.6%	3.9%	-0.4%	26.8%	-29.3%
Airports	0.320	0.208	1.018	2.005	0.592	0.515	1.058	1.039	1.105	0.229	1.018
month-over-month % change	-74.4%	-35.1%	389.9%	-6.7%	-70.5%	-13.0%	-0.5%	-1.8%	6.3%		
year-over-year % change	-16.1%	-52.7%	344.2%	222.8%	1.2%	47.2%	101.0%	87.2%	95.6%	106.7%	344.2%
Roads/Highways	2.671	2.256	3.968	3.299	2.740	2.965	4.536	4.419	4.417	3.990	3.968
month-over-month % change	-18.9%	-15.6%	75.9%	-15.6%	-16.9%	8.2%	-0.1%	-2.6%	0.0%		
year-over-year % change	-2.7%	-38.3%	-0.5%	-7.1%	-15.8%	-14.4%	6.6%	3.7%	4.4%	-8.4%	-0.5%
Bridges	1.241	1.623	1.881	1.217	1.259	1.581	1.685	1.716	1.743	1.555	1.881
month-over-month % change	35.8%	30.8%	15.9%	-12.0%	3.5%	25.6%	2.0%	1.9%	1.6%		
year-over-year % change	46.5%	30.3%	20.9%	38.5%	24.8%	30.0%	36.3%	42.0%	41.6%	20.7%	20.9%
Dams/Marine	0.663	0.481	0.356	0.506	0.571	0.500	0.414	0.427	0.431	0.307	0.356
month-over-month % change	16.0%	-27.4%	-25.9%	27.7%	13.0%	-12.5%	7.8%	3.1%	1.0%		
year-over-year % change	119.8%	46.4%	16.2%	71.0%	70.8%	60.1%	33.1%	37.1%	35.0%	43.9%	16.2%
Water/Sewage	1.816	1.640	2.291	2.048	1.897	1.916	2.762	2.666	2.351	6.067	2.291
month-over-month % change	-18.7%	-9.7%	39.6%	-11.4%	-7.4%	1.0%	0.3%	-3.5%	-11.8%		
year-over-year % change	5.6%	-41.4%	-62.2%	-4.0%	-16.7%	-45.7%	10.7%	5.0%	-18.1%	192.6%	-62.2%
Misc Civil (Power, etc.)	5.041	0.559	2.153	3.525	2.376	2.584	2.138	2.113	2.227	0.779	2.153
month-over-month % change	230.0%	-88.9%	285.5%	20.8%	-32.6%	8.8%	18.4%	-1.2%	5.4%		
year-over-year % change	378.7%	-35.3%	176.5%	235.6%	143.5%	187.6%	82.3%	92.5%	110.1%	-36.7%	176.5%
TOTAL ENGINEERING (Civil)	11.752	6.766	11.667	12.600	9.435	10.062	12.593	12.379	12.274	12.926	11.667
month-over-month % change	20.1%	-42.4%	72.4%	-3.6%	-25.1%	6.6%	3.2%	-1.7%	-0.8%		
year-over-year % change	66.7%	-27.5%	-9.7%	47.7%	11.8%	3.0%	26.0%	24.2%	19.5%	39.4%	-9.7%
GRAND TOTAL	51.644	39.367	48.154	61.858	51.762	46.388	64.269	63.483	62.464	60.385	48.154
month-over-month % change	-19.7%	-23.8%	22.3%	-5.7%	-16.3%	-10.4%	0.5%	-1.2%	-1.6%		
year-over-year % change	8.3%	-19.3%	-20.3%	17.9%	0.2%	-11.3%	12.2%	11.4%	7.4%	29.9%	-20.3%
NON-RES BLDG + ENGINEERING	***27.712***	***21.583***	***29.319***	***36.765***	***28.848***	***26.204***	***38.171***	***37.538***	***36.824***	***37.885***	***29.319***
month-over-month % change	***-25.6%***	***-22.1%***	***35.8%***	***-6.4%***	***-21.5%***	***-9.2%***	***0.4%***	***-1.7%***	***-1.9%***		
year-over-year % change	***6.8%***	***-26.0%***	***-22.6%***	***25.0%***	***-1.2%***	***-15.5%***	***10.8%***	***9.8%***	***5.4%***	***30.8%***	***-22.6%***

Source: ConstructConnect/Table: ConstructConnect.