Percentage Change in Producer Price Indexes (PPIs) and Employment Cost Indexes (ECIs) for Construction, 2016-2021

BLS Series ID		12-month percentage change to December:					to January 2021 since:		
		2016	2017	2018	2019	2020	12/20	10/20	1/20
Table 1: Changes in consumer, producer & construction prices									
CUUR0000SA0	Consumer price index (CPI-U)	2.1	2.1	1.9	2.3	1.4	0.4	0.5	1.4
WPUFD4	Producer price index (PPI) for final demand	1.7	2.5	2.6	1.4	0.8	1.4	1.3	1.7
WPUFD43	Final demand construction	0.5	3.1	5.2	3.9	1.2	0.2	0.3	0.8
WPUFD431	Construction for private capital investment	0.8	3.1	5.3	3.8	1.3	0.2	0.3	0.9
WPUFD432	Construction for government	0.3	3.1	4.7	4.0	0.9	0.1	0.2	0.4
WPU80	Construction (partial)	0.9	2.7	4.5	3.5	0.9	0.1	0.2	0.4
WPU801	New nonresidential building construction	0.4	3.1	5.4	4.0	1.3	0.2	0.3	0.9
WPU801101	New warehouse building construction	1.3	3.5	4.0	4.5	-0.1	0.2	0.6	-0.2
WPU801102	New school building construction	-0.3	3.5	5.4	4.7	1.3	0.0	0.2	0.6
WPU801103	New office building construction	1.3	2.6	5.6	3.6	1.2	0.5	0.8	1.3
WPU801104	New industrial building construction	0.0	4.0	5.9	4.5	2.0	0.1	0.3	1.7
WPU801105	New health care building construction	0.1	2.6	5.0	3.1	1.4	-0.4	-0.4	0.3
WPU802	Maint & repair of nonres buildings (partial)	2.3	1.2	2.4	2.2	-0.2	0.2	0.2	-0.8
Table 2: Changes in PPIs for new, repair & maintenance work by subcontractors									
PCU23811X23811X	Concrete contractors, nonresidential building work	4.4	3.0	6.2	4.7	0.5	1.1	1.2	1.2
PCU23816X23816X	Roofing contractors, nonresidential building work	1.5	1.8	1.0	3.6	3.1	0.3	0.6	2.9
PCU23821X23821X	Electrical contractors, nonresidential building work	-1.1	3.7	4.8	3.6	2.1	-0.4	-0.2	1.2
PCU23822X23822X	Plumbing contractors, nonresidential building work	-0.8	3.6	5.2	3.7	0.0	0.0	-0.2	-0.9
Table 3: Changes in PPIs for inputs to construction industries, excluding capital investment, labor and imports									
WPUIP230000	Inputs to construction industries	2.4	4.4	4.0	1.4	5.0	2.3	2.1	6.9
WPUIP2300001	Inputs to construction industries, goods	2.0	5.0	3.5	0.8	2.7	2.5	3.8	4.8
WPUIP23000012	Inputs to construction industries, energy	11.8	20.6	-5.0	3.7	-11.1	8.4	18.4	-2.9
WPUIP23000013	Inputs to construction industries, goods less foods and energy	1.1	3.3	5.0	0.3	5.0	1.9	2.3	6.4
WPUIP2300002	Inputs to construction industries, services	2.8	3.7	4.6	2.1	7.7	2.0	-0.2	9.2
WPUIP231000	Inputs to new construction	2.4	4.4	4.0	1.4	5.0	2.2	2.0	6.9
WPUIP231200	New nonresidential construction	2.0	4.3	4.3	1.8	3.7	2.5	4.2	5.9
WPUIP231211	Commercial structures	2.3	4.2	4.7	1.6	3.6	2.2	4.4	5.7
WPUIP231212	Healthcare structures	2.1	4.1	4.2	1.7	4.4	2.3	3.8	6.5
WPUIP231220	Industrial structures	1.5	3.8	4.0	3.2	2.9	2.4	4.9	5.0
WPUIP231230	Other nonresidential	2.1	4.5	4.3	1.7	3.7	2.6	4.1	6.0
WPUIP231231	Highways and streets	2.4	4.6	5.0	1.4	1.5	2.4	4.5	3.5
WPUIP231232	Power and communications structures	2.7	4.8	3.6	1.5	2.9	2.4	4.3	5.1
WPUIP231233	Educational and vocational structures	1.8	4.1	4.2	1.8	5.2	2.3	3.6	7.3
WPUIP231234	Other misc. nonresidential construction	2.2	4.8	3.8	1.9	4.0	2.6	4.0	6.4
WPUIP231100	New residential construction	2.4	4.4	3.9	1.0	6.2	2.0	0.2	7.6
WPUIP231110	Single-family	2.6	4.6	3.6	1.0	6.1	2.0	0.3	7.6
WPUIP231120	Multifamily	2.6	4.1	4.2	1.0	7.1	1.6	-1.4	8.3
WPUIP232000	Maintenance and repair construction	2.2	4.5	3.7	1.4	5.2	2.1	1.4	6.8
WPUIP232200	Nonresidential maintenance and repair	2.3	4.7	3.8	1.3	4.7	2.5	2.4	6.8
WPUIP232100	Residential maintenance and repair	2.0	4.6	4.0	1.0	5.7	1.6	-0.3	6.8
Table 4: Changes in PPIs for services important to construction									
WPU4531	Architectural services	1.1	2.7	-1.2	-1.7	0.6	0.4	0.2	0.8
WPU4532	Engineering services	2.0	2.8	2.1	2.0	0.7	0.9	1.7	0.7
WPU3012	Truck transportation of freight	0.2	4.5	6.5	0.0	2.3	2.2	5.1	4.4
WPU443	Const, mining & forestry mach & eq rental & leasing	-1.1	3.4	-0.5	-1.3	-4.8	0.2	-0.1	-4.8

BLS Series ID		12-month percentage change to December:					to January 2021 since:		
		2016	2017	2018	2019	2020	12/20	10/20	1/20
Table 5: Changes in PPIs for processed goods important to construction									
WPU057303	#2 diesel fuel	21.4	40.9	4.0	-0.7	-2.8	4.2	24.6	9.2
WPU1394	Paving mixtures and blocks (asphalt)	-5.6	-0.4	10.5	-1.8	-3.2	10.5	9.6	-0.4
WPU136	Asphalt felts and coatings	-1.9	2.2	10.6	-0.8	2.3	0.6	3.2	2.5
WPU1361	Prepared asphalt & tar roofing & siding products	-1.0	1.6	10.9	-0.8	2.6	0.7	3.6	2.9
WPU1322	Cement	5.0	4.3	2.8	1.9	1.9	0.3	0.4	2.6
WPU133	Concrete products	3.1	2.9	3.5	3.1	2.4	0.4	0.2	1.7
WPU1331	Concrete block and brick	2.0	2.9	3.1	3.6	3.0	0.5	0.5	3.4
WPU1332	Concrete pipe	2.2	0.5	2.3	4.1	2.6	0.0	-2.0	-1.5
WPU1333	Ready-mixed concrete	3.7	3.1	3.2	2.7	1.9	0.6	0.0	1.5
WPU1334	Precast concrete products	0.5	3.5	4.8	3.9	4.6	-0.6	1.1	3.0
WPU1335	Prestressed concrete products	11.1	1.9	4.1	2.5	-0.6	1.1	1.1	-0.4
WPU1342	Brick and structural clay tile	1.0	1.7	1.3	1.8	3.2	0.4	0.4	3.2
WPU0721	Plastic construction products	-0.1	4.7	2.5	0.4	6.0	0.8	2.5	6.7
WPU1311	Flat glass	3.1	1.1	1.4	1.0	3.9	-0.6	2.1	2.9
WPU137	Gypsum products	7.9	5.8	4.0	-5.4	4.0	2.8	7.0	3.6
WPU1392	Insulation materials	3.1	1.2	5.1	-3.1	1.8	2.1	3.8	4.0
WPUSI004011	Lumber and plywood	3.6	11.2	-4.9	-2.2	36.1	9.8	3.4	49.6
WPU062101	Architectural coatings	0.9	2.6	6.7	4.5	2.4	-0.1	0.1	2.6
WPU1017	Steel mill products	8.6	7.5	19.3	-16.0	2.0	5.2	12.2	7.4
WPU101706	Steel pipe and tube	5.4	10.2	20.0	-9.0	1.8	2.1	6.4	3.5
WPU102502	Copper and brass mill shapes	21.1	9.0	-5.7	-0.6	20.0	3.1	12.1	21.7
WPU102501	Aluminum mill shapes	5.5	10.1	6.8	-4.4	-2.0	3.8	7.7	1.5
WPU1073	Sheet metal products	2.2	2.2	7.6	-1.3	-0.3	0.0	0.0	-0.4
WPU107405	Fabricated structural metal	2.3	3.5	14.8	-3.3	0.3	0.4	0.8	1.1
WPU1074051	Fabricated structural metal bar joists & rebar	4.9	-0.5	12.1	-2.9	1.3	-0.4	0.8	0.6
WPU10740514	Fabricated structural metal for non-industrial building	4.0	-1.3	13.1	-3.8	1.2	-0.9	0.5	0.2
WPU10740553	Fabricated structural metal for bridges	-7.0	-0.4	15.0	-6.9	-0.4	10.5	14.9	14.7
WPU107408	Ornamental and architectural metal work	2.2	3.5	11.5	0.1	4.7	0.8	1.6	4.4
WPU1076	Fabricated steel plate	0.2	1.4	2.9	-1.3	7.1	0.7	9.6	8.0
WPU1079	Prefabricated metal buildings	4.8	3.1	11.7	-5.3	12.1	1.3	7.9	12.4
WPU112	Construction machinery and equipment	0.9	0.9	3.4	2.3	1.1	1.0	1.1	1.2
WPU07120105	Truck & bus (incl. off-the-highway) pneumatic tires	2.7	1.8	2.5	-0.1	0.3	2.8	2.8	4.4
Table 6: Changes in PPIs for unprocessed goods important to construction									
WPU058102	Asphalt (at refinery)	-9.8	28.3	24.9	-17.1	-13.4	10.1	15.4	-15.6
WPU1321	Construction sand/gravel/crushed stone	2.3	4.2	3.8	4.2	4.3	0.4	2.7	4.4
WPU1012	Iron and steel scrap	63.7	18.5	14.1	-26.2	40.6	25.8	53.0	50.8
WPU101212	Stainless and alloy steel scrap	30.3	3.9	-15.6	-0.1	20.6	5.7	23.3	26.7
WPU102301	Copper base scrap	11.0	17.5	-9.0	-5.9	28.3	10.0	16.1	29.0
Table 7: Changes in ECIs for total compensation, wages & salaries *(through December 2020)*									
CIU2010000000000	Private industry--total compensation	2.2	2.6	3.0	2.7	2.6		*0.6*	*2.6*
CIU2012300000000	Construction--total compensation	1.9	2.4	2.8	3.5	2.4		*0.4*	*2.4*
CIU2020000000000	Private industry--wages and salaries	2.3	2.8	3.1	3.0	2.8		*0.6*	*2.8*
CIU2022300000000	Construction--wages and salaries	2.1	2.5	3.1	3.8	2.8		*0.5*	*2.8*

Updated 2/17/2021.

Source: BLS: www.bls.gov/cpi for CPI, www.bls.gov/ppi for PPIs; www.bls.gov/ect for ECIs.

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Percentage Change in Producer Price Indexes (PPIs) and Employment Cost Indexes (ECIs) for Construction, 2016-2021

BLS Series ID		12-month percentage change to December:					to February 2021 since:		
		2016	2017	2018	2019	2020	1/21	11/20	2/20
Table 1: Changes in consumer, producer & construction prices									
CUUR0000SA0	Consumer price index (CPI-U)	2.1	2.1	1.9	2.3	1.4	0.5	1.1	1.7
WPUFD4	Producer price index (PPI) for final demand	1.7	2.5	2.6	1.4	0.8	0.6	2.1	2.8
WPUFD43	Final demand construction	0.5	3.1	5.2	3.9	1.2	0.3	0.5	1.0
WPUFD431	Construction for private capital investment	0.8	3.1	5.3	3.8	1.3	0.3	0.5	1.1
WPUFD432	Construction for government	0.3	3.1	4.7	4.0	0.9	0.3	0.3	0.6
WPU80	Construction (partial)	0.9	2.7	4.5	3.5	0.9	0.3	0.5	0.6
WPU801	New nonresidential building construction	0.4	3.1	5.4	4.0	1.3	0.3	0.5	1.1
WPU801101	New warehouse building construction	1.3	3.5	4.0	4.5	-0.1	-0.2	-0.1	-0.6
WPU801102	New school building construction	-0.3	3.5	5.4	4.7	1.3	0.3	0.2	0.9
WPU801103	New office building construction	1.3	2.6	5.6	3.6	1.2	0.5	1.0	1.7
WPU801104	New industrial building construction	0.0	4.0	5.9	4.5	2.0	0.1	0.6	1.8
WPU801105	New health care building construction	0.1	2.6	5.0	3.1	1.4	0.3	0.2	0.3
WPU802	Maint & repair of nonres buildings (partial)	2.3	1.2	2.4	2.2	-0.2	0.2	0.2	-0.7
Table 2: Changes in PPIs for new, repair & maintenance work by subcontractors									
PCU23811X23811X	Concrete contractors, nonresidential building work	4.4	3.0	6.2	4.7	0.5	0.3	1.3	1.3
PCU23816X23816X	Roofing contractors, nonresidential building work	1.5	1.8	1.0	3.6	3.1	0.0	0.7	2.9
PCU23821X23821X	Electrical contractors, nonresidential building work	-1.1	3.7	4.8	3.6	2.1	0.6	0.4	1.6
PCU23822X23822X	Plumbing contractors, nonresidential building work	-0.8	3.6	5.2	3.7	0.0	0.4	-0.1	-0.6
Table 3: Changes in PPIs for inputs to construction industries, excluding capital investment, labor and imports									
WPUIP230000	Inputs to construction industries			4.0	1.4	5.0	2.5	5.6	10.1
WPUIP2300001	Inputs to construction industries, goods	2.0	5.0	3.5	0.8	2.7	2.1	6.5	7.6
WPUIP23000012	Inputs to construction industries, energy			-5.0	3.7	-11.1	9.3	29.4	13.0
WPUIP23000013	Inputs to construction industries, goods less foods and energy			5.0	0.3	5.0	1.4	4.3	7.4
WPUIP2300002	Inputs to construction industries, services			4.6	2.1	7.7	3.1	4.4	13.1
WPUIP231000	Inputs to new construction			4.0	1.4	5.0	2.5	5.5	10.0
WPUIP231200	New nonresidential construction			4.3	1.8	3.7	1.9	6.2	8.6
WPUIP231211	Commercial structures			4.7	1.6	3.6	1.6	5.8	7.9
WPUIP231212	Healthcare structures			4.2	1.7	4.4	1.6	5.6	8.7
WPUIP231220	Industrial structures			4.0	3.2	2.9	1.5	5.5	7.4
WPUIP231230	Other nonresidential			4.3	1.7	3.7	2.0	6.4	8.7
WPUIP231231	Highways and streets			5.0	1.4	1.5	1.7	6.2	6.0
WPUIP231232	Power and communications structures			3.6	1.5	2.9	2.0	6.4	8.0
WPUIP231233	Educational and vocational structures			4.2	1.8	5.2	1.7	5.6	9.5
WPUIP231234	Other misc. nonresidential construction			3.8	1.9	4.0	2.4	6.7	9.6
WPUIP231100	New residential construction			3.9	1.0	6.2	3.0	4.9	11.2
WPUIP231110	Single-family			3.6	1.0	6.1	3.0	5.0	11.2
WPUIP231120	Multifamily			4.2	1.0	7.1	3.3	4.3	12.4
WPUIP232000	Maintenance and repair construction			3.7	1.4	5.2	2.7	5.3	10.3
WPUIP232200	Nonresidential maintenance and repair			3.8	1.3	4.7	2.7	6.1	10.2
WPUIP232100	Residential maintenance and repair			4.0	1.0	5.7	3.2	4.5	10.7
Table 4: Changes in PPIs for services important to construction									
WPU4531	Architectural services	1.1	2.7	-1.2	-1.7	0.6	0.2	0.6	0.8
WPU4532	Engineering services	2.0	2.8	2.1	2.0	0.7	0.7	2.6	1.5
WPU3012	Truck transportation of freight	0.2	4.5	6.5	0.0	2.3	0.0	3.5	4.7
WPU443	Const, mining & forestry mach & eq rental & leasing	-1.1	3.4	-0.5	-1.3	-4.8	-0.4	-0.6	-5.0

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Table 5: Changes in PPIs for processed goods important to construction									
WPU057303	#2 diesel fuel	21.4	40.9	4.0	-0.7	-2.8	12.7	31.4	36.5
WPU1394	Paving mixtures and blocks (asphalt)	-5.6	-0.4	10.5	-1.8	-3.2	1.0	10.7	0.1
WPU136	Asphalt felts and coatings	-1.9	2.2	10.6	-0.8	2.3	-0.2	0.2	3.2
WPU1361	Prepared asphalt & tar roofing & siding products	-1.0	1.6	10.9	-0.8	2.6	-0.2	0.2	3.7
WPU1322	Cement	5.0	4.3	2.8	1.9	1.9	0.2	0.6	3.0
WPU133	Concrete products	3.1	2.9	3.5	3.1	2.4	0.4	1.5	1.8
WPU1331	Concrete block and brick	2.0	2.9	3.1	3.6	3.0	0.6	1.5	3.7
WPU1332	Concrete pipe	2.2	0.5	2.3	4.1	2.6	0.2	-2.0	3.3
WPU1333	Ready-mixed concrete	3.7	3.1	3.2	2.7	1.9	0.3	1.6	0.8
WPU1334	Precast concrete products	0.5	3.5	4.8	3.9	4.6	1.0	2.4	4.1
WPU1335	Prestressed concrete products	11.1	1.9	4.1	2.5	-0.6	-0.1	0.7	0.0
WPU1342	Brick and structural clay tile	1.0	1.7	1.3	1.8	3.2	0.1	0.5	3.3
WPU0721	Plastic construction products	-0.1	4.7	2.5	0.4	6.0	1.1	2.1	8.0
WPU1311	Flat glass	3.1	1.1	1.4	1.0	3.9	-0.1	1.9	1.9
WPU137	Gypsum products	7.9	5.8	4.0	-5.4	4.0	0.3	3.1	5.1
WPU1392	Insulation materials	3.1	1.2	5.1	-3.1	1.8	2.2	4.2	5.4
WPUSI004011	Lumber and plywood	3.6	11.2	-4.9	-2.2	36.1	6.7	25.0	56.0
WPU062101	Architectural coatings	0.9	2.6	6.7	4.5	2.4	-0.1	0.0	2.4
WPU1017	Steel mill products	8.6	7.5	19.3	-16.0	2.0	11.8	22.0	20.0
WPU101706	Steel pipe and tube	5.4	10.2	20.0	-9.0	1.8	6.8	10.3	10.1
WPU102502	Copper and brass mill shapes	21.1	9.0	-5.7	-0.6	20.0	3.6	14.1	30.9
WPU102501	Aluminum mill shapes	5.5	10.1	6.8	-4.4	-2.0	0.1	7.5	3.9
WPU1073	Sheet metal products	2.2	2.2	7.6	-1.3	-0.3	2.6	2.6	2.2
WPU107405	Fabricated structural metal	2.3	3.5	14.8	-3.3	0.3	2.5	5.6	2.8
WPU1074051	Fabricated structural metal bar joists & rebar	4.9	-0.5	12.1	-2.9	1.3	3.1	4.2	3.7
WPU10740514	Fabricated structural metal for non-industrial building	4.0	-1.3	13.1	-3.8	1.2	3.1	3.6	3.4
WPU10740553	Fabricated structural metal for bridges	-7.0	-0.4	15.0	-6.9	-0.4	4.4	25.2	11.8
WPU107408	Ornamental and architectural metal work	2.2	3.5	11.5	0.1	4.7	3.9	5.5	8.7
WPU1076	Fabricated steel plate	0.2	1.4	2.9	-1.3	7.1	-0.6	9.1	7.4
WPU1079	Prefabricated metal buildings	4.8	3.1	11.7	-5.3	12.1	5.4	9.6	18.4
WPU112	Construction machinery and equipment	0.9	0.9	3.4	2.3	1.1	0.1	1.2	1.3
WPU07120105	Truck & bus (incl. off-the-highway) pneumatic tires	2.7	1.8	2.5	-0.1	0.3	-0.5	2.4	3.1
Table 6: Changes in PPIs for unprocessed goods important to construction									
WPU058102	Asphalt (at refinery)	-9.8	28.3	24.9	-17.1	-13.4	22.4	34.0	1.4
WPU1321	Construction sand/gravel/crushed stone	2.3	4.2	3.8	4.2	4.3	-0.1	2.5	3.9
WPU1012	Iron and steel scrap	63.7	18.5	14.1	-26.2	40.6	-10.3	36.1	45.7
WPU101212	Stainless and alloy steel scrap	30.3	3.9	-15.6	-0.1	20.6	-0.5	20.0	32.0
WPU102301	Copper base scrap	11.0	17.5	-9.0	-5.9	28.3	1.1	15.7	39.2
Table 7: Changes in ECIs for total compensation, wages & salaries *(through December 2020)*									
CIU2010000000000	Private industry--total compensation	2.2	2.6	3.0	2.7	2.6		*0.6*	*2.6*
CIU2012300000000	Construction--total compensation	1.9	2.4	2.8	3.5	2.4		*0.4*	*2.4*
CIU2020000000000	Private industry--wages and salaries	2.3	2.8	3.1	3.0	2.8		*0.6*	*2.8*
CIU2022300000000	Construction--wages and salaries	2.1	2.5	3.1	3.8	2.8		*0.5*	*2.8*

Updated 3/12/2021.

Source: BLS: www.bls.gov/cpi for CPI, www.bls.gov/ppi for PPIs; www.bls.gov/ect for ECIs.

Compiled by Ken Simonson (ken.simonson@agc.org), Chief Economist, Associated General Contractors of America, www.agc.org.

Percentage Change in Producer Price Indexes (PPIs) and Employment Cost Indexes (ECIs) for Construction, 2016-2021

BLS Series ID		12-month percentage change to December:					to March 2021 since:		
		2016	2017	2018	2019	2020	2/21	12/20	3/20
Table 1: Changes in consumer, producer & construction prices									
CUUR0000SA0	*Consumer price index (CPI-U)*	*2.1*	*2.1*	*1.9*	*2.3*	*1.4*	*0.5*	*1.1*	*1.7*
WPUFD4	Producer price index (PPI) for final demand	1.7	2.5	2.6	1.4	0.8	1.2	3.2	4.2
WPUFD43	Final demand construction	0.5	3.1	5.2	3.9	1.2	0.5	0.9	1.5
WPUFD431	Construction for private capital investment	0.8	3.1	5.3	3.8	1.3	0.7	1.1	1.8
WPUFD432	Construction for government	0.3	3.1	4.7	4.0	0.9	0.2	0.6	1.1
WPU80	Construction (partial)	0.9	2.7	4.5	3.5	0.9	0.4	0.8	1.4
WPU801	New nonresidential building construction	0.4	3.1	5.4	4.0	1.3	0.5	1.0	1.7
WPU801101	New warehouse building construction	1.3	3.5	4.0	4.5	-0.1	0.3	0.2	-0.3
WPU801102	New school building construction	-0.3	3.5	5.4	4.7	1.3	0.0	0.3	1.0
WPU801103	New office building construction	1.3	2.6	5.6	3.6	1.2	1.6	2.6	3.3
WPU801104	New industrial building construction	0.0	4.0	5.9	4.5	2.0	0.1	0.4	1.9
WPU801105	New health care building construction	0.1	2.6	5.0	3.1	1.4	0.3	0.3	0.8
WPU802	Maint & repair of nonres buildings (partial)	2.3	1.2	2.4	2.2	-0.2	0.0	0.3	0.4
Table 2: Changes in PPIs for new, repair & maintenance work by subcontractors									
PCU23811X23811X	Concrete contractors, nonresidential building work	4.4	3.0	6.2	4.7	0.5	0.1	1.5	1.4
PCU23816X23816X	Roofing contractors, nonresidential building work	1.5	1.8	1.0	3.6	3.1	1.2	1.5	3.9
PCU23821X23821X	Electrical contractors, nonresidential building work	-1.1	3.7	4.8	3.6	2.1	-0.4	-0.2	1.2
PCU23822X23822X	Plumbing contractors, nonresidential building work	-0.8	3.6	5.2	3.7	0.0	0.4	0.8	1.2
Table 3: Changes in PPIs for inputs to construction industries, excluding capital investment, labor and imports									
WPUIP230000	Inputs to construction industries			4.0	1.4	5.0	2.7	7.7	13.7
WPUIP2300001	Inputs to construction industries, goods	2.0	5.0	3.5	0.8	2.7	3.5	8.3	12.9
WPUIP23000012	Inputs to construction industries, energy			-5.0	3.7	-11.1	14.2	35.4	51.0
WPUIP23000013	Inputs to construction industries, goods less foods and energy			5.0	0.3	5.0	2.5	5.9	9.5
WPUIP2300002	Inputs to construction industries, services			4.6	2.1	7.7	1.3	6.5	14.2
WPUIP231000	Inputs to new construction			4.0	1.4	5.0	2.6	7.5	13.5
WPUIP231200	New nonresidential construction			4.3	1.8	3.7	2.7	7.2	12.4
WPUIP231211	Commercial structures			4.7	1.6	3.6	2.5	6.5	11.2
WPUIP231212	Healthcare structures			4.2	1.7	4.4	2.5	6.5	12.0
WPUIP231220	Industrial structures			4.0	3.2	2.9	2.1	6.2	10.6
WPUIP231230	Other nonresidential			4.3	1.7	3.7	2.7	7.4	12.8
WPUIP231231	Highways and streets			5.0	1.4	1.5	2.6	6.8	10.2
WPUIP231232	Power and communications structures			3.6	1.5	2.9	2.9	7.5	12.5
WPUIP231233	Educational and vocational structures			4.2	1.8	5.2	2.6	6.7	12.6
WPUIP231234	Other misc. nonresidential construction			3.8	1.9	4.0	2.8	7.9	13.9
WPUIP231100	New residential construction			3.9	1.0	6.2	2.4	7.6	14.3
WPUIP231110	Single-family			3.6	1.0	6.1	2.5	7.8	14.3
WPUIP231120	Multifamily			4.2	1.0	7.1	2.4	7.5	15.4
WPUIP232000	Maintenance and repair construction			3.7	1.4	5.2	2.5	7.5	14.0
WPUIP232200	Nonresidential maintenance and repair			3.8	1.3	4.7	2.8	8.3	14.4
WPUIP232100	Residential maintenance and repair			4.0	1.0	5.7	2.1	7.1	13.8
Table 4: Changes in PPIs for services important to construction									
WPU4531	Architectural services	1.1	2.7	-1.2	-1.7	0.6	-0.1	0.5	0.6
WPU4532	Engineering services	2.0	2.8	2.1	2.0	0.7	0.1	1.7	1.6
WPU3012	Truck transportation of freight	0.2	4.5	6.5	0.0	2.3	1.7	4.0	7.3
WPU443	Const, mining & forestry mach & eq rental & leasing	-1.1	3.4	-0.5	-1.3	-4.8	1.1	0.9	-4.4

BLS Series ID		12-month percentage change to December:					to March 2021 since:		
		2016	2017	2018	2019	2020	2/21	12/20	3/20
Table 5: Changes in PPIs for processed goods important to construction									
WPU057303	#2 diesel fuel	21.4	40.9	4.0	-0.7	-2.8	15.4	35.6	79.5
WPU1394	Paving mixtures and blocks (asphalt)	-5.6	-0.4	10.5	-1.8	-3.2	-0.1	11.6	1.8
WPU136	Asphalt felts and coatings	-1.9	2.2	10.6	-0.8	2.3	2.2	2.6	3.8
WPU1361	Prepared asphalt & tar roofing & siding products	-1.0	1.6	10.9	-0.8	2.6	2.5	3.0	4.3
WPU1322	Cement	5.0	4.3	2.8	1.9	1.9	0.5	1.0	3.4
WPU133	Concrete products	3.1	2.9	3.5	3.1	2.4	0.4	1.2	1.5
WPU1331	Concrete block and brick	2.0	2.9	3.1	3.6	3.0	0.4	1.4	3.9
WPU1332	Concrete pipe	2.2	0.5	2.3	4.1	2.6	0.0	0.2	0.3
WPU1333	Ready-mixed concrete	3.7	3.1	3.2	2.7	1.9	0.4	1.3	0.7
WPU1334	Precast concrete products	0.5	3.5	4.8	3.9	4.6	0.2	0.6	3.7
WPU1335	Prestressed concrete products	11.1	1.9	4.1	2.5	-0.6	0.7	1.7	0.6
WPU1342	Brick and structural clay tile	1.0	1.7	1.3	1.8	3.2	0.4	1.0	3.7
WPU0721	Plastic construction products	-0.1	4.7	2.5	0.4	6.0	3.2	5.2	10.4
WPU1311	Flat glass	3.1	1.1	1.4	1.0	3.9	1.3	0.6	3.2
WPU137	Gypsum products	7.9	5.8	4.0	-5.4	4.0	1.4	4.6	6.2
WPU1392	Insulation materials	3.1	1.2	5.1	-3.1	1.8	0.7	5.1	5.2
WPUSI004011	Lumber and plywood	3.6	11.2	-4.9	-2.2	36.1	7.9	26.4	62.9
WPU062101	Architectural coatings	0.9	2.6	6.7	4.5	2.4	1.9	1.7	5.3
WPU1017	Steel mill products	8.6	7.5	19.3	-16.0	2.0	17.6	38.3	40.1
WPU101706	Steel pipe and tube	5.4	10.2	20.0	-9.0	1.8	4.5	13.9	14.5
WPU102502	Copper and brass mill shapes	21.1	9.0	-5.7	-0.6	20.0	8.5	15.9	44.2
WPU102501	Aluminum mill shapes	5.5	10.1	6.8	-4.4	-2.0	2.1	6.1	7.4
WPU1073	Sheet metal products	2.2	2.2	7.6	-1.3	-0.3	3.9	6.6	6.3
WPU107405	Fabricated structural metal	2.3	3.5	14.8	-3.3	0.3	2.3	5.3	5.3
WPU1074051	Fabricated structural metal bar joists & rebar	4.9	-0.5	12.1	-2.9	1.3	3.7	6.5	7.6
WPU10740514	Fabricated structural metal for non-industrial building	4.0	-1.3	13.1	-3.8	1.2	4.3	6.6	7.9
WPU10740553	Fabricated structural metal for bridges	-7.0	-0.4	15.0	-6.9	-0.4	3.6	19.5	18.5
WPU107408	Ornamental and architectural metal work	2.2	3.5	11.5	0.1	4.7	11.1	16.3	18.3
WPU1076	Fabricated steel plate	0.2	1.4	2.9	-1.3	7.1	5.6	5.7	13.4
WPU1079	Prefabricated metal buildings	4.8	3.1	11.7	-5.3	12.1	4.2	11.3	21.8
WPU112	Construction machinery and equipment	0.9	0.9	3.4	2.3	1.1	0.1	1.3	1.4
WPU07120105	Truck & bus (incl. off-the-highway) pneumatic tires	2.7	1.8	2.5	-0.1	0.3	-0.7	1.6	2.6
Table 6: Changes in PPIs for unprocessed goods important to construction									
WPU058102	Asphalt (at refinery)	-9.8	28.3	24.9	-17.1	-13.4	4.9	41.4	9.0
WPU1321	Construction sand/gravel/crushed stone	2.3	4.2	3.8	4.2	4.3	-0.2	2.0	3.3
WPU1012	Iron and steel scrap	63.7	18.5	14.1	-26.2	40.6	10.8	19.9	59.5
WPU101212	Stainless and alloy steel scrap	30.3	3.9	-15.6	-0.1	20.6	2.3	16.1	32.2
WPU102301	Copper base scrap	11.0	17.5	-9.0	-5.9	28.3	11.1	16.8	62.7
Table 7: Changes in ECIs for total compensation, wages & salaries *(through December 2020)*									
CIU2010000000000	Private industry--total compensation	2.2	2.6	3.0	2.7	2.6		*0.6*	*2.6*
CIU2012300000000	Construction--total compensation	1.9	2.4	2.8	3.5	2.4		*0.4*	*2.4*
CIU2020000000000	Private industry--wages and salaries	2.3	2.8	3.1	3.0	2.8		*0.6*	*2.8*
CIU2022300000000	Construction--wages and salaries	2.1	2.5	3.1	3.8	2.8		*0.5*	*2.8*

Updated 4/09/2021.

Source: BLS: www.bls.gov/cpi for CPI, www.bls.gov/ppi for PPIs; www.bls.gov/ect for ECIs.

Compiled by Ken Simonson (ken.simonson@agc.org), Chief Economist, Associated General Contractors of America, www.agc.org.

Percentage Change in Producer Price Indexes (PPIs) and Employment Cost Indexes (ECIs) for Construction, 2016-2021

BLS Series ID		12-month percentage change to December:					to April 2021 since:		
		2016	2017	2018	2019	2020	3/2021	1/2021	4/2020
Table 1: Changes in consumer, producer & construction prices									
CUUR0000SA0	Consumer price index (CPI-U)	2.1	2.1	1.9	2.3	1.4	0.8	2.1	4.2
WPUFD4	Producer price index (PPI) for final demand	1.7	2.5	2.6	1.4	0.8	0.6	2.4	6.2
WPUFD43	Final demand construction	0.5	3.1	5.2	3.9	1.2	1.1	1.8	2.1
WPUFD431	Construction for private capital investment	0.8	3.1	5.3	3.8	1.3	1.2	2.2	2.5
WPUFD432	Construction for government	0.3	3.1	4.7	4.0	0.9	0.8	1.4	1.5
WPU80	Construction (partial)	0.9	2.7	4.5	3.5	0.9	0.9	1.6	1.8
WPU801	New nonresidential building construction	0.4	3.1	5.4	4.0	1.3	1.2	2.0	2.3
WPU801101	New warehouse building construction	1.3	3.5	4.0	4.5	-0.1	2.0	2.1	1.8
WPU801102	New school building construction	-0.3	3.5	5.4	4.7	1.2	0.9	1.3	1.1
WPU801103	New office building construction	1.3	2.6	5.6	3.6	1.2	0.5	2.6	3.5
WPU801104	New industrial building construction	0.0	4.0	5.9	4.5	2.0	0.7	0.9	1.6
WPU801105	New health care building construction	0.1	2.6	5.0	3.1	1.4	2.5	3.2	2.6
WPU802	Maint & repair of nonres buildings (partial)	2.3	1.2	2.4	2.2	-0.2	0.0	0.2	0.6
Table 2: Changes in PPIs for new, repair & maintenance work by subcontractors									
PCU23811X23811X	Concrete contractors, nonresidential building work	4.4	3.0	6.2	4.7	0.9	0.9	1.3	1.8
PCU23816X23816X	Roofing contractors, nonresidential building work	1.5	1.8	1.0	3.6	3.2	0.6	1.7	4.1
PCU23821X23821X	Electrical contractors, nonresidential building work	-1.1	3.7	4.8	3.6	2.0	0.2	0.4	0.8
PCU23822X23822X	Plumbing contractors, nonresidential building work	-0.8	3.6	5.2	3.7	0.0	0.5	1.3	1.7
Table 3: Changes in PPIs for inputs to construction industries, excluding capital investment, labor and imports									
WPUIP230000	Inputs to construction industries			4.0	1.4	5.5	2.0	7.4	19.1
WPUIP2300001	Inputs to construction industries, goods	2.0	5.0	3.5	0.8	2.6	1.3	7.1	19.7
WPUIP23000012	Inputs to construction industries, energy			-5.0	3.7	-11.0	-3.2	20.9	124.1
WPUIP23000013	Inputs to construction industries, goods less foods and energy			5.0	0.3	4.8	1.8	5.8	12.2
WPUIP2300002	Inputs to construction industries, services			4.6	2.1	9.1	3.1	7.7	18.1
WPUIP231000	Inputs to new construction			4.0	1.4	5.6	2.0	7.3	18.8
WPUIP231200	New nonresidential construction			4.3	1.8	4.4	1.5	6.2	17.6
WPUIP231211	Commercial structures			4.7	1.6	4.2	1.6	5.9	16.0
WPUIP231212	Healthcare structures			4.2	1.7	5.0	1.8	6.0	16.7
WPUIP231220	Industrial structures			4.0	3.2	3.8	1.5	5.2	14.9
WPUIP231230	Other nonresidential			4.3	1.7	4.3	1.5	6.3	18.1
WPUIP231231	Highways and streets			5.0	1.4	1.8	1.0	5.4	16.2
WPUIP231232	Power and communications structures			3.6	1.5	3.6	1.7	6.7	18.3
WPUIP231233	Educational and vocational structures			4.2	1.8	5.8	2.0	6.4	17.4
WPUIP231234	Other misc. nonresidential construction			3.8	1.9	4.8	1.9	7.2	20.0
WPUIP231100	New residential construction			3.9	1.0	6.7	2.7	8.4	19.8
WPUIP231110	Single-family			3.6	1.0	6.6	3.0	8.8	20.6
WPUIP231120	Multifamily			4.2	1.0	7.6	3.3	9.3	20.8
WPUIP232000	Maintenance and repair construction			3.7	1.4	5.7	2.3	7.7	19.8
WPUIP232200	Nonresidential maintenance and repair			3.8	1.3	5.2	2.1	7.8	20.4
WPUIP232100	Residential maintenance and repair			4.0	1.0	6.1	2.7	8.3	19.3
Table 4: Changes in PPIs for services important to construction									
WPU4531	Architectural services	1.1	2.7	-1.2	-1.7	0.6	0.4	0.5	0.8
WPU4532	Engineering services	2.0	2.8	2.1	2.0	1.5	0.1	0.9	2.7
WPU3012	Truck transportation of freight	0.2	4.5	6.5	0.0	2.2	0.5	2.3	9.2
WPU443	Const, mining & forestry mach & eq rental & leasing	-1.1	3.4	-0.5	-1.3	-4.6	0.6	1.3	-2.3

BLS Series ID		12-month percentage change to December:					to April 2021 since:		
		2016	2017	2018	2019	2020	3/2021	1/2021	4/2020
Table 5: Changes in PPIs for processed goods important to construction									
WPU057303	#2 diesel fuel	21.4	40.9	4.0	-0.7	-2.8	-8.0	19.6	126.7
WPU1394	Paving mixtures and blocks (asphalt)	-5.6	-0.4	10.5	-1.8	-2.7	-8.3	-7.4	-2.2
WPU136	Asphalt felts and coatings	-1.9	2.2	10.6	-0.8	2.1	1.4	3.4	6.6
WPU1361	Prepared asphalt & tar roofing & siding products	-1.0	1.6	10.9	-0.8	2.5	1.5	3.8	7.4
WPU1322	Cement	5.0	4.3	2.8	1.9	1.9	0.4	1.1	2.5
WPU133	Concrete products	3.1	2.9	3.5	3.1	2.2	1.4	2.2	2.6
WPU1331	Concrete block and brick	2.0	2.9	3.1	3.6	3.0	0.9	1.9	4.2
WPU1332	Concrete pipe	2.2	0.5	2.3	4.1	2.6	1.8	2.0	1.4
WPU1333	Ready-mixed concrete	3.7	3.1	3.2	2.7	2.2	1.5	2.2	2.0
WPU1334	Precast concrete products	0.5	3.5	4.8	3.9	3.0	1.6	2.8	5.3
WPU1335	Prestressed concrete products	11.1	1.9	4.1	2.5	-1.2	1.3	1.9	0.2
WPU1342	Brick and structural clay tile	1.0	1.7	1.3	1.8	3.3	0.2	0.8	3.8
WPU0721	Plastic construction products	-0.1	4.7	2.5	0.4	5.4	3.3	7.8	14.2
WPU1311	Flat glass	3.1	1.1	1.4	1.0	3.7	0.6	1.7	4.0
WPU137	Gypsum products	7.9	5.8	4.0	-5.4	3.6	3.9	5.7	12.1
WPU1392	Insulation materials	3.1	1.2	5.1	-3.1	1.6	0.1	3.1	5.2
WPUSI004011	Lumber and plywood	3.6	11.2	-4.9	-2.2	37.2	6.5	22.6	85.7
WPU062101	Architectural coatings	0.9	2.6	6.7	4.5	1.9	2.1	3.9	4.7
WPU1017	Steel mill products	8.6	7.5	19.3	-16.0	5.2	18.4	55.6	67.0
WPU101706	Steel pipe and tube	5.4	10.2	20.0	-9.0	1.9	7.4	19.8	24.4
WPU102502	Copper and brass mill shapes	21.1	9.0	-5.7	-0.6	23.6	0.2	12.7	49.0
WPU102501	Aluminum mill shapes	5.5	10.1	6.8	-4.4	-1.7	7.5	9.9	20.5
WPU1073	Sheet metal products	2.2	2.2	7.6	-1.3	-0.3	4.8	11.8	11.5
WPU107405	Fabricated structural metal	2.3	3.5	14.8	-3.3	-0.5	1.8	6.8	8.3
WPU1074051	Fabricated structural metal bar joists & rebar	4.9	-0.5	12.1	-2.9	0.5	2.8	10.0	10.9
WPU10740514	Fabricated structural metal for non-industrial building	4.0	-1.3	13.1	-3.8	0.2	2.6	10.3	11.0
WPU10740553	Fabricated structural metal for bridges	-7.0	-0.4	15.0	-6.9	-0.4	3.1	11.5	19.8
WPU107408	Ornamental and architectural metal work	2.2	3.5	11.5	0.1	4.8	1.6	17.3	20.2
WPU1076	Fabricated steel plate	0.2	1.4	2.9	-1.3	1.8	-0.4	4.6	13.0
WPU1079	Prefabricated metal buildings	4.8	3.1	11.7	-5.3	12.0	1.3	11.3	23.8
WPU112	Construction machinery and equipment	0.9	0.9	3.4	2.3	1.1	0.1	0.3	1.4
WPU07120105	Truck & bus (incl. off-the-highway) pneumatic tires	2.7	1.8	2.5	-0.1	0.3	0.4	-0.8	1.5
Table 6: Changes in PPIs for unprocessed goods important to construction									
WPU058102	Asphalt (at refinery)	-9.8	28.3	24.9	-17.1	-13.9	16.3	49.3	64.3
WPU1321	Construction sand/gravel/crushed stone	2.3	4.2	3.8	4.2	4.3	0.7	0.5	3.6
WPU1012	Iron and steel scrap	63.7	18.5	14.1	-26.2	40.6	-2.4	-2.9	77.2
WPU101212	Stainless and alloy steel scrap	30.3	3.9	-15.6	-0.1	27.4	6.1	8.0	52.4
WPU102301	Copper base scrap	11.0	17.5	-9.0	-5.9	30.1	3.3	15.9	79.4
Table 7: Changes in ECIs for total compensation, wages & salaries *(through March 2021)*									
CIU2010000000000	Private industry--total compensation	2.2	2.6	3.0	2.7	2.6		*1.2*	*2.8*
CIU2012300000000	Construction--total compensation	1.9	2.4	2.8	3.5	2.4		*0.7*	*2.7*
CIU2020000000000	Private industry--wages and salaries	2.3	2.8	3.1	3.0	2.8		*1.4*	*3.0*
CIU2022300000000	Construction--wages and salaries	2.1	2.5	3.1	3.8	2.8		*0.6*	*3.0*

Updated 5/13/2021.

Source: BLS: www.bls.gov/cpi for CPI, www.bls.gov/ppi for PPIs; www.bls.gov/ect for ECIs.

Compiled by Ken Simonson (ken.simonson@agc.org), Chief Economist, Associated General Contractors of America, www.agc.org.

Percentage Change in Producer Price Indexes (PPIs) and Employment Cost Indexes (ECIs) for Construction, 2016-2021

BLS Series ID		12-month percentage change to December:					to May 2021 since:		
		2016	2017	2018	2019	2020	4/2021	2/2021	5/2020
Table 1: Changes in consumer, producer & construction prices									
CUUR0000SA0	Consumer price index (CPI-U)	2.1	2.1	1.9	2.3	1.4	0.8	2.4	5.0
WPUFD4	Producer price index (PPI) for final demand	1.7	2.5	2.6	1.4	0.8	0.9	2.7	6.6
WPUFD43	Final demand construction	0.5	3.1	5.2	3.9	1.2	0.6	2.1	2.8
WPUFD431	Construction for private capital investment	0.8	3.1	5.3	3.8	1.3	0.6	2.5	3.1
WPUFD432	Construction for government	0.3	3.1	4.7	4.0	0.9	0.5	1.5	1.9
WPU80	Construction (partial)	0.9	2.7	4.5	3.5	0.9	0.6	1.9	2.5
WPU801	New nonresidential building construction	0.4	3.1	5.4	4.0	1.3	0.5	2.3	2.8
WPU801101	New warehouse building construction	1.3	3.5	4.0	4.5	-0.1	0.8	3.2	3.2
WPU801102	New school building construction	-0.3	3.5	5.4	4.7	1.2	0.1	1.0	1.3
WPU801103	New office building construction	1.3	2.6	5.6	3.6	1.2	1.0	3.0	4.4
WPU801104	New industrial building construction	0.0	4.0	5.9	4.5	2.0	0.1	0.9	1.7
WPU801105	New health care building construction	0.1	2.6	5.0	3.1	1.4	0.7	3.5	3.1
WPU802	Maint & repair of nonres buildings (partial)	2.3	1.2	2.4	2.2	-0.2	1.2	1.2	1.7
Table 2: Changes in PPIs for new, repair & maintenance work by subcontractors									
PCU23811X23811X	Concrete contractors, nonresidential building work	4.4	3.0	6.2	4.7	0.9	1.0	2.0	3.0
PCU23816X23816X	Roofing contractors, nonresidential building work	1.5	1.8	1.0	3.6	3.2	0.4	2.2	4.0
PCU23821X23821X	Electrical contractors, nonresidential building work	-1.1	3.7	4.8	3.6	2.0	1.0	0.8	1.7
PCU23822X23822X	Plumbing contractors, nonresidential building work	-0.8	3.6	5.2	3.7	0.0	0.6	1.5	2.3
Table 3: Changes in PPIs for inputs to construction industries, excluding capital investment, labor and imports									
WPUIP230000	Inputs to construction industries			4.0	1.4	5.5	4.3	9.3	24.3
WPUIP2300001	Inputs to construction industries, goods	2.0	5.0	3.5	0.8	2.6	4.6	9.7	24.3
WPUIP23000012	Inputs to construction industries, energy			-5.0	3.7	-11.0	9.5	21.0	123.6
WPUIP23000013	Inputs to construction industries, goods less foods and energy			5.0	0.3	4.8	4.0	8.6	16.8
WPUIP2300002	Inputs to construction industries, services			4.6	2.1	9.1	4.0	8.6	23.9
WPUIP231000	Inputs to new construction			4.0	1.4	5.6	4.3	9.2	24.0
WPUIP231200	New nonresidential construction			4.3	1.8	4.4	4.1	8.5	22.2
WPUIP231211	Commercial structures			4.7	1.6	4.2	3.9	8.2	20.5
WPUIP231212	Healthcare structures			4.2	1.7	5.0	3.8	8.3	21.0
WPUIP231220	Industrial structures			4.0	3.2	3.8	2.9	6.6	18.1
WPUIP231230	Other nonresidential			4.3	1.7	4.3	4.2	8.6	22.9
WPUIP231231	Highways and streets			5.0	1.4	1.8	4.3	8.0	20.9
WPUIP231232	Power and communications structures			3.6	1.5	3.6	4.4	9.2	23.2
WPUIP231233	Educational and vocational structures			4.2	1.8	5.8	3.9	8.7	21.9
WPUIP231234	Other misc. nonresidential construction			3.8	1.9	4.8	4.1	9.0	24.5
WPUIP231100	New residential construction			3.9	1.0	6.7	4.5	9.9	25.4
WPUIP231110	Single-family			3.6	1.0	6.6	4.4	10.2	26.0
WPUIP231120	Multifamily			4.2	1.0	7.6	4.5	10.5	26.5
WPUIP232000	Maintenance and repair construction			3.7	1.4	5.7	4.0	9.1	24.5
WPUIP232200	Nonresidential maintenance and repair			3.8	1.3	5.2	4.2	9.4	25.3
WPUIP232100	Residential maintenance and repair			4.0	1.0	6.1	3.9	8.9	24.2
Table 4: Changes in PPIs for services important to construction									
WPU4531	Architectural services	1.1	2.7	-1.2	-1.7	0.6	0.0	0.3	0.7
WPU4532	Engineering services	2.0	2.8	2.1	2.0	1.5	0.4	0.6	3.5
WPU3012	Truck transportation of freight	0.2	4.5	6.5	0.0	2.2	3.9	6.2	15.8
WPU443	Const, mining & forestry mach & eq rental & leasing	-1.1	3.4	-0.5	-1.3	-4.6	-0.2	1.5	-2.4

BLS Series ID		12-month percentage change to December:					to May 2021 since:		
		2016	2017	2018	2019	2020	4/2021	2/2021	5/2020
Table 5: Changes in PPIs for processed goods important to construction									
WPU057303	#2 diesel fuel	21.4	40.9	4.0	-0.7	-2.8	15.6	22.8	199.2
WPU1394	Paving mixtures and blocks (asphalt)	-5.6	-0.4	10.5	-1.8	-2.7	1.3	-7.2	1.9
WPU136	Asphalt felts and coatings	-1.9	2.2	10.6	-0.8	2.1	3.1	6.8	11.1
WPU1361	Prepared asphalt & tar roofing & siding products	-1.0	1.6	10.9	-0.8	2.5	3.5	7.6	12.6
WPU1322	Cement	5.0	4.3	2.8	1.9	1.9	0.0	0.9	2.9
WPU133	Concrete products	3.1	2.9	3.5	3.1	2.2	0.5	2.3	3.1
WPU1331	Concrete block and brick	2.0	2.9	3.1	3.6	3.0	0.5	1.8	4.1
WPU1332	Concrete pipe	2.2	0.5	2.3	4.1	2.6	-0.6	1.2	1.4
WPU1333	Ready-mixed concrete	3.7	3.1	3.2	2.7	2.2	0.0	1.9	1.9
WPU1334	Precast concrete products	0.5	3.5	4.8	3.9	3.0	2.0	3.8	7.7
WPU1335	Prestressed concrete products	11.1	1.9	4.1	2.5	-1.2	1.1	3.0	2.0
WPU1342	Brick and structural clay tile	1.0	1.7	1.3	1.8	3.3	1.8	2.5	5.7
WPU0721	Plastic construction products	-0.1	4.7	2.5	0.4	5.4	2.8	9.7	17.5
WPU1311	Flat glass	3.1	1.1	1.4	1.0	3.7	0.2	2.0	4.0
WPU137	Gypsum products	7.9	5.8	4.0	-5.4	3.6	2.1	7.6	14.2
WPU1392	Insulation materials	3.1	1.2	5.1	-3.1	1.6	2.4	3.3	7.0
WPUSI004011	Lumber and plywood	3.6	11.2	-4.9	-2.2	37.2	16.0	33.4	111.0
WPU062101	Architectural coatings	0.9	2.6	6.7	4.5	1.9	0.4	4.4	4.8
WPU1017	Steel mill products	8.6	7.5	19.3	-16.0	5.2	2.4	42.6	75.6
WPU101706	Steel pipe and tube	5.4	10.2	20.0	-9.0	1.9	2.7	15.3	29.3
WPU102502	Copper and brass mill shapes	21.1	9.0	-5.7	-0.6	23.6	8.0	17.5	60.4
WPU102501	Aluminum mill shapes	5.5	10.1	6.8	-4.4	-1.7	2.7	12.7	28.6
WPU1073	Sheet metal products	2.2	2.2	7.6	-1.3	-0.3	0.4	9.4	12.2
WPU107405	Fabricated structural metal	2.3	3.5	14.8	-3.3	-0.5	13.0	17.8	22.6
WPU1074051	Fabricated structural metal bar joists & rebar	4.9	-0.5	12.1	-2.9	0.5	17.3	25.0	30.0
WPU10740514	Fabricated structural metal for non-industrial building	4.0	-1.3	13.1	-3.8	0.2	19.8	28.1	32.9
WPU10740553	Fabricated structural metal for bridges	-7.0	-0.4	15.0	-6.9	-0.4	1.6	8.5	17.6
WPU107408	Ornamental and architectural metal work	2.2	3.5	11.5	0.1	4.8	4.0	17.3	25.0
WPU1076	Fabricated steel plate	0.2	1.4	2.9	-1.3	1.8	9.9	15.6	23.9
WPU1079	Prefabricated metal buildings	4.8	3.1	11.7	-5.3	12.0	2.9	8.6	27.3
WPU112	Construction machinery and equipment	0.9	0.9	3.4	2.3	1.1	1.3	1.5	2.8
WPU07120105	Truck & bus (incl. off-the-highway) pneumatic tires	2.7	1.8	2.5	-0.1	0.3	1.3	1.0	3.4
Table 6: Changes in PPIs for unprocessed goods important to construction									
WPU058102	Asphalt (at refinery)	-9.8	28.3	24.9	-17.1	-13.9	-13.8	5.1	62.3
WPU1321	Construction sand/gravel/crushed stone	2.3	4.2	3.8	4.2	4.3	0.8	1.4	4.3
WPU1012	Iron and steel scrap	63.7	18.5	14.1	-26.2	40.6	5.0	13.6	76.6
WPU101212	Stainless and alloy steel scrap	30.3	3.9	-15.6	-0.1	27.4	-1.2	7.3	53.6
WPU102301	Copper base scrap	11.0	17.5	-9.0	-5.9	30.1	10.7	26.9	89.6
Table 7: Changes in ECIs for total compensation, wages & salaries *(through March 2021)*									
CIU2010000000000	Private industry--total compensation	2.2	2.6	3.0	2.7	2.6		*1.2*	*2.8*
CIU2012300000000	Construction--total compensation	1.9	2.4	2.8	3.5	2.4		*0.7*	*2.7*
CIU2020000000000	Private industry--wages and salaries	2.3	2.8	3.1	3.0	2.8		*1.4*	*3.0*
CIU2022300000000	Construction--wages and salaries	2.1	2.5	3.1	3.8	2.8		*0.6*	*3.0*

Updated 6/15/2021.

Source: BLS: www.bls.gov/cpi for CPI, www.bls.gov/ppi for PPIs; www.bls.gov/ect for ECIs.

Compiled by Ken Simonson (ken.simonson@agc.org), Chief Economist, Associated General Contractors of America, www.agc.org.

Percentage Change in Producer Price Indexes (PPIs) and Employment Cost Indexes (ECIs) for Construction, 2016-2021

BLS Series ID		12-month percentage change to December:					to June 2021 since:		
		2016	2017	2018	2019	2020	5/2021	3/2021	6/2020
Table 1: Changes in consumer, producer & construction prices									
CUUR0000SA0	Consumer price index (CPI-U)	2.1	2.1	1.9	2.3	1.4	0.9	2.6	5.4
WPUFD4	Producer price index (PPI) for final demand	1.7	2.5	2.6	1.4	0.8	1.0	2.6	7.3
WPUFD43	Final demand construction	0.5	3.1	5.2	3.9	1.2	0.7	2.4	3.5
WPUFD431	Construction for private capital investment	0.8	3.1	5.3	3.8	1.3	0.4	2.3	3.7
WPUFD432	Construction for government	0.3	3.1	4.7	4.0	0.9	1.0	2.3	3.0
WPU80	Construction (partial)	0.9	2.7	4.5	3.5	0.9	1.3	2.8	3.8
WPU801	New nonresidential building construction	0.4	3.1	5.4	4.0	1.3	0.4	2.1	3.4
WPU801101	New warehouse building construction	1.3	3.5	4.0	4.5	-0.1	0.7	3.6	4.0
WPU801102	New school building construction	-0.3	3.5	5.4	4.7	1.2	0.1	1.1	1.5
WPU801103	New office building construction	1.3	2.6	5.6	3.6	1.2	0.5	1.9	5.1
WPU801104	New industrial building construction	0.0	4.0	5.9	4.5	2.0	0.3	1.1	2.1
WPU801105	New health care building construction	0.1	2.6	5.0	3.1	1.4	0.9	4.1	4.0
WPU802	Maint & repair of nonres buildings (partial)	2.3	1.2	2.4	2.2	-0.2	3.4	4.6	5.2
Table 2: Changes in PPIs for new, repair & maintenance work by subcontractors									
PCU23811X23811X	Concrete contractors, nonresidential building work	4.4	3.0	6.2	4.7	0.9	1.0	2.9	4.2
PCU23816X23816X	Roofing contractors, nonresidential building work	1.5	1.8	1.0	3.6	3.2	1.2	2.1	5.1
PCU23821X23821X	Electrical contractors, nonresidential building work	-1.1	3.7	4.8	3.6	2.0	1.4	2.6	3.1
PCU23822X23822X	Plumbing contractors, nonresidential building work	-0.8	3.6	5.2	3.7	0.0	2.6	3.7	4.9
Table 3: Changes in PPIs for inputs to construction industries, excluding capital investment, labor and imports									
WPUIP230000	Inputs to construction industries			4.0	1.4	5.5	3.8	10.4	26.3
WPUIP2300001	Inputs to construction industries, goods	2.0	5.0	3.5	0.8	2.6	2.8	9.0	24.8
WPUIP23000012	Inputs to construction industries, energy			-5.0	3.7	-11.0	0.3	6.3	79.0
WPUIP23000013	Inputs to construction industries, goods less foods and energy			5.0	0.3	4.8	3.1	9.2	19.9
WPUIP2300002	Inputs to construction industries, services			4.6	2.1	9.1	5.3	12.9	28.2
WPUIP231000	Inputs to new construction			4.0	1.4	5.6	3.8	10.5	26.1
WPUIP231200	New nonresidential construction			4.3	1.8	4.4	3.1	8.9	23.5
WPUIP231211	Commercial structures			4.7	1.6	4.2	3.1	8.8	22.3
WPUIP231212	Healthcare structures			4.2	1.7	5.0	3.2	9.0	22.8
WPUIP231220	Industrial structures			4.0	3.2	3.8	2.9	7.5	19.7
WPUIP231230	Other nonresidential			4.3	1.7	4.3	3.0	8.9	24.0
WPUIP231231	Highways and streets			5.0	1.4	1.8	2.9	8.3	21.6
WPUIP231232	Power and communications structures			3.6	1.5	3.6	3.1	9.4	24.3
WPUIP231233	Educational and vocational structures			4.2	1.8	5.8	3.1	9.3	23.8
WPUIP231234	Other misc. nonresidential construction			3.8	1.9	4.8	3.0	9.2	25.2
WPUIP231100	New residential construction			3.9	1.0	6.7	4.5	12.1	28.3
WPUIP231110	Single-family			3.6	1.0	6.6	4.7	12.6	29.2
WPUIP231120	Multifamily			4.2	1.0	7.6	4.9	13.2	29.4
WPUIP232000	Maintenance and repair construction			3.7	1.4	5.7	3.6	10.2	25.8
WPUIP232200	Nonresidential maintenance and repair			3.8	1.3	5.2	3.4	10.1	26.5
WPUIP232100	Residential maintenance and repair			4.0	1.0	6.1	4.1	11.0	26.0
Table 4: Changes in PPIs for services important to construction									
WPU4531	Architectural services	1.1	2.7	-1.2	-1.7	0.6	0.2	0.6	0.8
WPU4532	Engineering services	2.0	2.8	2.1	2.0	1.5	0.0	0.5	3.5
WPU3012	Truck transportation of freight	0.2	4.5	6.5	0.0	2.2	0.3	4.7	15.4
WPU443	Const, mining & forestry mach & eq rental & leasing	-1.1	3.4	-0.5	-1.3	-4.6	0.0	0.4	-2.3

BLS Series ID		12-month percentage change to December:					to June 2021 since:		
		2016	2017	2018	2019	2020	5/2021	3/2021	6/2020
Table 5: Changes in PPIs for processed goods important to construction									
WPU057303	#2 diesel fuel	21.4	40.9	4.0	-0.7	-2.8	-3.3	2.9	127.4
WPU1394	Paving mixtures and blocks (asphalt)	-5.6	-0.4	10.5	-1.8	-2.7	2.3	-5.0	5.0
WPU136	Asphalt felts and coatings	-1.9	2.2	10.6	-0.8	2.1	0.7	5.3	11.0
WPU1361	Prepared asphalt & tar roofing & siding products	-1.0	1.6	10.9	-0.8	2.5	0.5	5.5	12.1
WPU1322	Cement	5.0	4.3	2.8	1.9	1.9	1.8	2.2	3.8
WPU133	Concrete products	3.1	2.9	3.5	3.1	2.2	1.1	3.1	4.5
WPU1331	Concrete block and brick	2.0	2.9	3.1	3.6	3.0	0.5	2.0	4.4
WPU1332	Concrete pipe	2.2	0.5	2.3	4.1	2.6	2.1	3.4	4.6
WPU1333	Ready-mixed concrete	3.7	3.1	3.2	2.7	2.2	0.8	2.3	3.1
WPU1334	Precast concrete products	0.5	3.5	4.8	3.9	3.0	0.2	3.8	7.7
WPU1335	Prestressed concrete products	11.1	1.9	4.1	2.5	-1.2	6.7	9.2	8.6
WPU1342	Brick and structural clay tile	1.0	1.7	1.3	1.8	3.3	-0.1	1.9	5.6
WPU0721	Plastic construction products	-0.1	4.7	2.5	0.4	5.4	3.1	9.5	21.8
WPU1311	Flat glass	3.1	1.1	1.4	1.0	3.7	2.5	3.3	6.5
WPU137	Gypsum products	7.9	5.8	4.0	-5.4	3.6	3.3	9.6	18.0
WPU1392	Insulation materials	3.1	1.2	5.1	-3.1	1.6	2.4	5.0	10.1
WPUSI004011	Lumber and plywood	3.6	11.2	-4.9	-2.2	37.2	1.5	25.4	100.9
WPU062101	Architectural coatings	0.9	2.6	6.7	4.5	1.9	0.7	3.2	5.5
WPU1017	Steel mill products	8.6	7.5	19.3	-16.0	5.2	6.2	28.8	87.5
WPU101706	Steel pipe and tube	5.4	10.2	20.0	-9.0	1.9	4.0	14.7	36.9
WPU102502	Copper and brass mill shapes	21.1	9.0	-5.7	-0.6	23.6	4.3	12.9	61.5
WPU102501	Aluminum mill shapes	5.5	10.1	6.8	-4.4	-1.7	2.5	13.2	33.2
WPU1073	Sheet metal products	2.2	2.2	7.6	-1.3	-0.3	8.1	13.7	21.2
WPU107405	Fabricated structural metal	2.3	3.5	14.8	-3.3	-0.5	6.7	22.8	30.5
WPU1074051	Fabricated structural metal bar joists & rebar	4.9	-0.5	12.1	-2.9	0.5	3.6	25.0	34.8
WPU10740514	Fabricated structural metal for non-industrial building	4.0	-1.3	13.1	-3.8	0.2	2.9	26.4	36.7
WPU10740553	Fabricated structural metal for bridges	-7.0	-0.4	15.0	-6.9	-0.4	1.0	5.8	30.8
WPU107408	Ornamental and architectural metal work	2.2	3.5	11.5	0.1	4.8	1.9	7.6	27.2
WPU1076	Fabricated steel plate	0.2	1.4	2.9	-1.3	1.8	6.7	16.7	33.2
WPU1079	Prefabricated metal buildings	4.8	3.1	11.7	-5.3	12.0	6.0	10.4	34.3
WPU112	Construction machinery and equipment	0.9	0.9	3.4	2.3	1.1	0.4	1.8	3.2
WPU07120105	Truck & bus (incl. off-the-highway) pneumatic tires	2.7	1.8	2.5	-0.1	0.3	0.4	2.1	3.8
Table 6: Changes in PPIs for unprocessed goods important to construction									
WPU058102	Asphalt (at refinery)	-9.8	28.3	24.9	-17.1	-13.9	10.9	11.1	65.1
WPU1321	Construction sand/gravel/crushed stone	2.3	4.2	3.8	4.2	4.3	0.2	1.7	4.1
WPU1012	Iron and steel scrap	63.7	18.5	14.1	-26.2	40.6	9.9	12.6	90.7
WPU101212	Stainless and alloy steel scrap	30.3	3.9	-15.6	-0.1	27.4	-0.1	4.7	49.7
WPU102301	Copper base scrap	11.0	17.5	-9.0	-5.9	30.1	-6.1	7.3	63.4
Table 7: Changes in ECIs for total compensation, wages & salaries *(through March 2021)*									
CIU2010000000000	Private industry--total compensation	2.2	2.6	3.0	2.7	2.6		*1.2*	*2.8*
CIU2012300000000	Construction--total compensation	1.9	2.4	2.8	3.5	2.4		*0.7*	*2.7*
CIU2020000000000	Private industry--wages and salaries	2.3	2.8	3.1	3.0	2.8		*1.4*	*3.0*
CIU2022300000000	Construction--wages and salaries	2.1	2.5	3.1	3.8	2.8		*0.6*	*3.0*

Updated 7/14/2021.

Source: BLS: www.bls.gov/cpi for CPI, www.bls.gov/ppi for PPIs; www.bls.gov/ect for ECIs.

Compiled by Ken Simonson (ken.simonson@agc.org), Chief Economist, Associated General Contractors of America, www.agc.org.

Percentage Change in Producer Price Indexes (PPIs) and Employment Cost Indexes (ECIs) for Construction, 2016-2021

BLS Series ID		12-month percentage change to December:					to July 2021 since:		
		2016	2017	2018	2019	2020	6/2021	4/2021	7/2020
Table 1: Changes in consumer, producer & construction prices									
CUUR0000SA0	Consumer price index (CPI-U)	2.1	2.1	1.9	2.3	1.4	0.5	2.2	5.4
WPUFD4	Producer price index (PPI) for final demand	1.7	2.5	2.6	1.4	0.8	1.0	3.0	7.8
WPUFD43	Final demand construction	0.5	3.1	5.2	3.9	1.2	1.5	2.8	4.5
WPUFD431	Construction for private capital investment	0.8	3.1	5.3	3.8	1.3	1.6	2.6	4.7
WPUFD432	Construction for government	0.3	3.1	4.7	4.0	0.9	1.4	2.9	4.0
WPU80	Construction (partial)	0.9	2.7	4.5	3.5	0.9	1.1	3.0	4.6
WPU801	New nonresidential building construction	0.4	3.1	5.4	4.0	1.3	1.7	2.6	4.4
WPU801101	New warehouse building construction	1.3	3.5	4.0	4.5	-0.1	2.6	4.2	6.5
WPU801102	New school building construction	-0.3	3.5	5.4	4.7	1.2	2.4	2.5	3.3
WPU801103	New office building construction	1.3	2.6	5.6	3.6	1.2	1.3	2.8	5.9
WPU801104	New industrial building construction	0.0	4.0	5.9	4.5	2.0	2.6	3.0	3.9
WPU801105	New health care building construction	0.1	2.6	5.0	3.1	1.4	-0.2	1.4	3.2
WPU802	Maint & repair of nonres buildings (partial)	2.3	1.2	2.4	2.2	-0.2	-0.3	4.3	4.8
Table 2: Changes in PPIs for new, repair & maintenance work by subcontractors									
PCU23811X23811X	Concrete contractors, nonresidential building work	4.4	3.0	6.2	4.7	0.9	0.8	2.8	5.4
PCU23816X23816X	Roofing contractors, nonresidential building work	1.5	1.8	1.0	3.6	3.2	1.3	2.9	6.2
PCU23821X23821X	Electrical contractors, nonresidential building work	-1.1	3.7	4.8	3.6	2.0	0.7	3.2	3.5
PCU23822X23822X	Plumbing contractors, nonresidential building work	-0.8	3.6	5.2	3.7	0.0	-0.7	2.4	3.5
Table 3: Changes in PPIs for inputs to construction industries, excluding capital investment, labor and imports									
WPUIP230000	Inputs to construction industries			4.0	1.4	5.5	0.9	9.2	25.6
WPUIP2300001	Inputs to construction industries, goods	2.0	5.0	3.5	0.8	2.6	0.6	8.2	23.1
WPUIP23000012	Inputs to construction industries, energy			-5.0	3.7	-11.0	5.4	15.8	65.3
WPUIP23000013	Inputs to construction industries, goods less foods and energy			5.0	0.3	4.8	0.2	7.4	19.5
WPUIP2300002	Inputs to construction industries, services			4.6	2.1	9.1	1.2	10.9	28.8
WPUIP231000	Inputs to new construction			4.0	1.4	5.6	0.9	9.2	25.4
WPUIP231200	New nonresidential construction			4.3	1.8	4.4	1.0	8.4	23.1
WPUIP231211	Commercial structures			4.7	1.6	4.2	1.1	8.3	22.3
WPUIP231212	Healthcare structures			4.2	1.7	5.0	0.8	7.9	22.3
WPUIP231220	Industrial structures			4.0	3.2	3.8	1.5	7.5	20.4
WPUIP231230	Other nonresidential			4.3	1.7	4.3	1.0	8.4	23.5
WPUIP231231	Highways and streets			5.0	1.4	1.8	1.1	8.4	20.9
WPUIP231232	Power and communications structures			3.6	1.5	3.6	1.0	8.7	23.8
WPUIP231233	Educational and vocational structures			4.2	1.8	5.8	0.5	7.7	22.9
WPUIP231234	Other misc. nonresidential construction			3.8	1.9	4.8	1.1	8.4	24.9
WPUIP231100	New residential construction			3.9	1.0	6.7	0.8	10.1	27.8
WPUIP231110	Single-family			3.6	1.0	6.6	0.6	10.0	28.1
WPUIP231120	Multifamily			4.2	1.0	7.6	0.8	10.4	28.7
WPUIP232000	Maintenance and repair construction			3.7	1.4	5.7	1.0	8.8	25.2
WPUIP232200	Nonresidential maintenance and repair			3.8	1.3	5.2	0.9	8.7	25.7
WPUIP232100	Residential maintenance and repair			4.0	1.0	6.1	1.2	9.4	25.8
Table 4: Changes in PPIs for services important to construction									
WPU4531	Architectural services	1.1	2.7	-1.2	-1.7	0.6	0.3	0.5	1.1
WPU4532	Engineering services	2.0	2.8	2.1	2.0	1.5	0.2	0.6	3.6
WPU3012	Truck transportation of freight	0.2	4.5	6.5	0.0	2.2	0.6	4.8	13.8
WPU443	Const, mining & forestry mach & eq rental & leasing	-1.1	3.4	-0.5	-1.3	-4.6	0.3	0.1	-0.2

BLS Series ID		12-month percentage change to December:					to July 2021 since:		
		2016	2017	2018	2019	2020	6/2021	4/2021	7/2020
Table 5: Changes in PPIs for processed goods important to construction									
WPU057303	#2 diesel fuel	21.4	40.9	4.0	-0.7	-2.8	4.0	16.3	81.9
WPU1394	Paving mixtures and blocks (asphalt)	-5.6	-0.4	10.5	-1.8	-2.7	0.3	3.9	5.9
WPU136	Asphalt felts and coatings	-1.9	2.2	10.6	-0.8	2.1	1.1	5.0	10.0
WPU1361	Prepared asphalt & tar roofing & siding products	-1.0	1.6	10.9	-0.8	2.5	1.3	5.3	10.9
WPU1322	Cement	5.0	4.3	2.8	1.9	1.9	-0.1	1.7	3.2
WPU133	Concrete products	3.1	2.9	3.5	3.1	2.2	0.3	1.9	4.5
WPU1331	Concrete block and brick	2.0	2.9	3.1	3.6	3.0	0.2	1.3	4.0
WPU1332	Concrete pipe	2.2	0.5	2.3	4.1	2.6	0.9	2.4	2.7
WPU1333	Ready-mixed concrete	3.7	3.1	3.2	2.7	2.2	0.0	0.9	2.8
WPU1334	Precast concrete products	0.5	3.5	4.8	3.9	3.0	1.3	3.5	9.2
WPU1335	Prestressed concrete products	11.1	1.9	4.1	2.5	-1.2	-0.1	7.8	9.3
WPU1342	Brick and structural clay tile	1.0	1.7	1.3	1.8	3.3	0.4	2.1	4.3
WPU0721	Plastic construction products	-0.1	4.7	2.5	0.4	5.4	4.5	10.8	26.7
WPU1311	Flat glass	3.1	1.1	1.4	1.0	3.7	0.6	3.3	7.3
WPU137	Gypsum products	7.9	5.8	4.0	-5.4	3.6	2.6	8.2	21.6
WPU1392	Insulation materials	3.1	1.2	5.1	-3.1	1.6	-0.1	4.7	11.8
WPUSI004011	Lumber and plywood	3.6	11.2	-4.9	-2.2	37.2	-16.2	-1.3	56.8
WPU062101	Architectural coatings	0.9	2.6	6.7	4.5	1.9	4.5	5.7	9.9
WPU1017	Steel mill products	8.6	7.5	19.3	-16.0	5.2	10.8	20.5	108.6
WPU101706	Steel pipe and tube	5.4	10.2	20.0	-9.0	1.9	9.0	16.4	48.8
WPU102502	Copper and brass mill shapes	21.1	9.0	-5.7	-0.6	23.6	-1.4	11.1	49.0
WPU102501	Aluminum mill shapes	5.5	10.1	6.8	-4.4	-1.7	1.5	6.9	33.2
WPU1073	Sheet metal products	2.2	2.2	7.6	-1.3	-0.3	1.7	10.3	23.2
WPU107405	Fabricated structural metal	2.3	3.5	14.8	-3.3	-0.5	0.8	21.6	32.5
WPU1074051	Fabricated structural metal bar joists & rebar	4.9	-0.5	12.1	-2.9	0.5	2.8	24.9	38.2
WPU10740514	Fabricated structural metal for non-industrial building	4.0	-1.3	13.1	-3.8	0.2	3.4	27.4	41.4
WPU10740553	Fabricated structural metal for bridges	-7.0	-0.4	15.0	-6.9	-0.4	4.0	6.7	29.3
WPU107408	Ornamental and architectural metal work	2.2	3.5	11.5	0.1	4.8	1.9	8.0	29.7
WPU1076	Fabricated steel plate	0.2	1.4	2.9	-1.3	1.8	-0.7	16.4	33.3
WPU1079	Prefabricated metal buildings	4.8	3.1	11.7	-5.3	12.0	8.4	18.2	45.9
WPU112	Construction machinery and equipment	0.9	0.9	3.4	2.3	1.1	1.2	3.0	4.5
WPU07120105	Truck & bus (incl. off-the-highway) pneumatic tires	2.7	1.8	2.5	-0.1	0.3	6.9	8.7	10.9
Table 6: Changes in PPIs for unprocessed goods important to construction									
WPU058102	Asphalt (at refinery)	-9.8	28.3	24.9	-17.1	-13.9	6.5	1.8	57.1
WPU1321	Construction sand/gravel/crushed stone	2.3	4.2	3.8	4.2	4.3	0.2	1.2	4.1
WPU1012	Iron and steel scrap	63.7	18.5	14.1	-26.2	40.6	0.8	16.3	103.8
WPU101212	Stainless and alloy steel scrap	30.3	3.9	-15.6	-0.1	27.4	9.9	8.5	60.9
WPU102301	Copper base scrap	11.0	17.5	-9.0	-5.9	30.1	0.7	4.6	47.8
Table 7: Changes in ECIs for total compensation, wages & salaries *(through June 2021)*									
CIU2010000000000	Private industry--total compensation	2.2	2.6	3.0	2.7	2.6		*0.8*	*3.1*
CIU2012300000000	Construction--total compensation	1.9	2.4	2.8	3.5	2.4		*1.4*	*3.0*
CIU2020000000000	Private industry--wages and salaries	2.3	2.8	3.1	3.0	2.8		*0.9*	*3.5*
CIU2022300000000	Construction--wages and salaries	2.1	2.5	3.1	3.8	2.8		*1.6*	*3.2*

Updated 8/12/2021.

Source: BLS: www.bls.gov/cpi for CPI, www.bls.gov/ppi for PPIs; www.bls.gov/ect for ECIs.

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Percentage Change in Producer Price Indexes (PPIs) and Employment Cost Indexes (ECIs) for Construction, 2016-2021

BLS Series ID		12-month percentage change to December:					to August 2021 since:		
		2016	2017	2018	2019	2020	7/2021	5/2021	8/2020
Table 1: Changes in consumer, producer & construction prices									
CUUR0000SA0	*Consumer price index (CPI-U)*	*2.1*	*2.1*	*1.9*	*2.3*	*1.4*	*0.5*	*2.2*	*5.4*
WPUFD4	Producer price index (PPI) for final demand	1.7	2.5	2.6	1.4	0.8	0.5	2.6	8.3
WPUFD43	Final demand construction	0.5	3.1	5.2	3.9	1.2	0.2	2.4	5.0
WPUFD431	Construction for private capital investment	0.8	3.1	5.3	3.8	1.3	0.4	2.4	5.4
WPUFD432	Construction for government	0.3	3.1	4.7	4.0	0.9	0.1	2.6	4.2
WPU80	Construction (partial)	0.9	2.7	4.5	3.5	0.9	0.3	2.7	5.0
WPU801	New nonresidential building construction	0.4	3.1	5.4	4.0	1.3	0.3	2.4	5.0
WPU801101	New warehouse building construction	1.3	3.5	4.0	4.5	-0.1	0.2	3.5	7.1
WPU801102	New school building construction	-0.3	3.5	5.4	4.7	1.2	0.1	2.6	3.4
WPU801103	New office building construction	1.3	2.6	5.6	3.6	1.2	-0.3	1.5	6.0
WPU801104	New industrial building construction	0.0	4.0	5.9	4.5	2.0	1.1	4.0	5.0
WPU801105	New health care building construction	0.1	2.6	5.0	3.1	1.4	0.6	1.4	4.4
WPU802	Maint & repair of nonres buildings (partial)	2.3	1.2	2.4	2.2	-0.2	0.3	3.4	5.1
Table 2: Changes in PPIs for new, repair & maintenance work by subcontractors									
PCU23811X23811X	Concrete contractors, nonresidential building work	4.4	3.0	6.2	4.7	0.9	0.1	2.0	5.6
PCU23816X23816X	Roofing contractors, nonresidential building work	1.5	1.8	1.0	3.6	3.2	0.5	3.1	6.9
PCU23821X23821X	Electrical contractors, nonresidential building work	-1.1	3.7	4.8	3.6	2.0	0.3	2.5	4.0
PCU23822X23822X	Plumbing contractors, nonresidential building work	-0.8	3.6	5.2	3.7	0.0	0.2	2.1	3.9
Table 3: Changes in PPIs for inputs to construction industries, excluding capital investment, labor and imports									
WPUIP230000	Inputs to construction industries			4.0	1.4	5.5	-1.7	2.9	20.6
WPUIP2300001	Inputs to construction industries, goods	2.0	5.0	3.5	0.8	2.6	-0.6	2.8	20.8
WPUIP23000012	Inputs to construction industries, energy			-5.0	3.7	-11.0	-1.8	3.9	58.9
WPUIP23000013	Inputs to construction industries, goods less foods and energy			5.0	0.3	4.8	-0.5	2.8	17.5
WPUIP2300002	Inputs to construction industries, services			4.6	2.1	9.1	-3.4	3.0	20.3
WPUIP231000	Inputs to new construction			4.0	1.4	5.6	-1.4	3.2	21.0
WPUIP231200	New nonresidential construction			4.3	1.8	4.4	-0.1	4.0	21.4
WPUIP231211	Commercial structures			4.7	1.6	4.2	0.4	4.7	21.4
WPUIP231212	Healthcare structures			4.2	1.7	5.0	-0.1	3.9	20.3
WPUIP231220	Industrial structures			4.0	3.2	3.8	0.8	5.3	20.2
WPUIP231230	Other nonresidential			4.3	1.7	4.3	-0.2	3.8	21.3
WPUIP231231	Highways and streets			5.0	1.4	1.8	0.6	4.6	20.8
WPUIP231232	Power and communications structures			3.6	1.5	3.6	-0.2	3.9	22.1
WPUIP231233	Educational and vocational structures			4.2	1.8	5.8	-0.5	3.1	20.1
WPUIP231234	Other misc. nonresidential construction			3.8	1.9	4.8	-1.0	3.2	21.7
WPUIP231100	New residential construction			3.9	1.0	6.7	-3.2	2.0	19.9
WPUIP231110	Single-family			3.6	1.0	6.6	-3.6	1.6	20.0
WPUIP231120	Multifamily			4.2	1.0	7.6	-3.8	1.7	19.6
WPUIP232000	Maintenance and repair construction			3.7	1.4	5.7	-2.4	2.1	19.2
WPUIP232200	Nonresidential maintenance and repair			3.8	1.3	5.2	-2.0	2.3	20.5
WPUIP232100	Residential maintenance and repair			4.0	1.0	6.1	-3.3	1.8	18.1
Table 4: Changes in PPIs for services important to construction									
WPU4531	Architectural services	1.1	2.7	-1.2	-1.7	0.6	0.3	0.7	1.2
WPU4532	Engineering services	2.0	2.8	2.1	2.0	1.5	0.0	0.2	3.6
WPU3012	Truck transportation of freight	0.2	4.5	6.5	0.0	2.2	0.9	1.7	14.1
WPU443	Const, mining & forestry mach & eq rental & leasing	-1.1	3.4	-0.5	-1.3	-4.6	0.0	0.3	-0.2

BLS Series ID		12-month percentage change to December:					to August 2021 since:		
		2016	2017	2018	2019	2020	7/2021	5/2021	8/2020
Table 5: Changes in PPIs for processed goods important to construction									
WPU057303	#2 diesel fuel	21.4	40.9	4.0	-0.7	-2.8	-2.0	-1.4	67.2
WPU1394	Paving mixtures and blocks (asphalt)	-5.6	-0.4	10.5	-1.8	-2.7	0.6	3.2	5.6
WPU136	Asphalt felts and coatings	-1.9	2.2	10.6	-0.8	2.1	3.5	5.4	14.8
WPU1361	Prepared asphalt & tar roofing & siding products	-1.0	1.6	10.9	-0.8	2.5	3.5	5.4	15.8
WPU1322	Cement	5.0	4.3	2.8	1.9	1.9	0.6	2.3	3.9
WPU133	Concrete products	3.1	2.9	3.5	3.1	2.2	1.0	2.5	6.0
WPU1331	Concrete block and brick	2.0	2.9	3.1	3.6	3.0	0.4	1.2	4.3
WPU1332	Concrete pipe	2.2	0.5	2.3	4.1	2.6	-0.4	2.7	3.6
WPU1333	Ready-mixed concrete	3.7	3.1	3.2	2.7	2.2	1.6	2.5	5.1
WPU1334	Precast concrete products	0.5	3.5	4.8	3.9	3.0	0.5	1.9	9.5
WPU1335	Prestressed concrete products	11.1	1.9	4.1	2.5	-1.2	-1.1	5.5	9.5
WPU1342	Brick and structural clay tile	1.0	1.7	1.3	1.8	3.3	0.3	0.6	4.5
WPU0721	Plastic construction products	-0.1	4.7	2.5	0.4	5.4	3.0	11.0	29.6
WPU1311	Flat glass	3.1	1.1	1.4	1.0	3.7	-0.3	2.8	7.1
WPU137	Gypsum products	7.9	5.8	4.0	-5.4	3.6	0.5	6.5	22.9
WPU1392	Insulation materials	3.1	1.2	5.1	-3.1	1.6	4.4	6.7	17.2
WPUSI004011	Lumber and plywood	3.6	11.2	-4.9	-2.2	37.2	-17.2	-29.6	15.9
WPU062101	Architectural coatings	0.9	2.6	6.7	4.5	1.9	0.5	5.8	10.4
WPU1017	Steel mill products	8.6	7.5	19.3	-16.0	5.2	5.1	23.6	123.1
WPU101706	Steel pipe and tube	5.4	10.2	20.0	-9.0	1.9	9.2	23.8	63.5
WPU102502	Copper and brass mill shapes	21.1	9.0	-5.7	-0.6	23.6	1.0	3.9	45.3
WPU102501	Aluminum mill shapes	5.5	10.1	6.8	-4.4	-1.7	3.7	7.9	35.1
WPU1073	Sheet metal products	2.2	2.2	7.6	-1.3	-0.3	1.9	12.0	25.7
WPU107405	Fabricated structural metal	2.3	3.5	14.8	-3.3	-0.5	5.8	13.8	38.0
WPU1074051	Fabricated structural metal bar joists & rebar	4.9	-0.5	12.1	-2.9	0.5	8.8	15.9	50.5
WPU10740514	Fabricated structural metal for non-industrial building	4.0	-1.3	13.1	-3.8	0.2	9.9	16.9	55.4
WPU10740553	Fabricated structural metal for bridges	-7.0	-0.4	15.0	-6.9	-0.4	1.2	6.4	34.0
WPU107408	Ornamental and architectural metal work	2.2	3.5	11.5	0.1	4.8	0.1	4.0	29.6
WPU1076	Fabricated steel plate	0.2	1.4	2.9	-1.3	1.8	-0.3	5.6	32.5
WPU1079	Prefabricated metal buildings	4.8	3.1	11.7	-5.3	12.0	3.3	18.7	50.8
WPU112	Construction machinery and equipment	0.9	0.9	3.4	2.3	1.1	0.8	2.5	5.4
WPU07120105	Truck & bus (incl. off-the-highway) pneumatic tires	2.7	1.8	2.5	-0.1	0.3	-1.0	6.2	9.8
Table 6: Changes in PPIs for unprocessed goods important to construction									
WPU058102	Asphalt (at refinery)	-9.8	28.3	24.9	-17.1	-13.9	1.1	19.4	50.9
WPU1321	Construction sand/gravel/crushed stone	2.3	4.2	3.8	4.2	4.3	-0.1	0.3	3.9
WPU1012	Iron and steel scrap	63.7	18.5	14.1	-26.2	40.6	-3.7	6.6	87.1
WPU101212	Stainless and alloy steel scrap	30.3	3.9	-15.6	-0.1	27.4	0.1	9.9	52.8
WPU102301	Copper base scrap	11.0	17.5	-9.0	-5.9	30.1	-4.8	-10.0	40.4
Table 7: Changes in ECIs for total compensation, wages & salaries *(through June 2021)*									
CIU2010000000000	Private industry--total compensation	2.2	2.6	3.0	2.7	2.6		*0.8*	*3.1*
CIU2012300000000	Construction--total compensation	1.9	2.4	2.8	3.5	2.4		*1.4*	*3.0*
CIU2020000000000	Private industry--wages and salaries	2.3	2.8	3.1	3.0	2.8		*0.9*	*3.5*
CIU2022300000000	Construction--wages and salaries	2.1	2.5	3.1	3.8	2.8		*1.6*	*3.2*

Updated 9/10/2021.

Source: BLS: www.bls.gov/cpi for CPI, www.bls.gov/ppi for PPIs; www.bls.gov/ect for ECIs.

Compiled by Ken Simonson (ken.simonson@agc.org), Chief Economist, Associated General Contractors of America, www.agc.org.

Percentage Change in Producer Price Indexes (PPIs) and Employment Cost Indexes (ECIs) for Construction, 2016-2021

BLS Series ID		12-month percentage change to December: 2016	2017	2018	2019	2020	to September 2021 since: 8/2021	6/2021	9/2020
Table 1: Changes in consumer, producer & construction prices									
CUUR0000SA0	Consumer price index (CPI-U)	2.1	2.1	1.9	2.3	1.4	0.3	1.0	5.4
WPUFD4	Producer price index (PPI) for final demand	1.7	2.5	2.6	1.4	0.8	0.5	2.1	8.6
WPUFD43	Final demand construction	0.5	3.1	5.2	3.9	1.2	0.1	1.9	5.2
WPUFD431	Construction for private capital investment	0.8	3.1	5.3	3.8	1.3	-0.1	1.8	5.4
WPUFD432	Construction for government	0.3	3.1	4.7	4.0	0.9	0.3	1.9	4.7
WPU80	Construction (partial)	0.9	2.7	4.5	3.5	0.9	0.5	1.9	5.7
WPU801	New nonresidential building construction	0.4	3.1	5.4	4.0	1.3	-0.1	1.8	5.0
WPU801101	New warehouse building construction	1.3	3.5	4.0	4.5	-0.1	0.0	2.9	7.1
WPU801102	New school building construction	-0.3	3.5	5.4	4.7	1.2	-0.4	2.1	3.2
WPU801103	New office building construction	1.3	2.6	5.6	3.6	1.2	-0.1	0.9	5.9
WPU801104	New industrial building construction	0.0	4.0	5.9	4.5	2.0	-0.3	3.4	4.9
WPU801105	New health care building construction	0.1	2.6	5.0	3.1	1.4	0.4	0.9	5.1
WPU802	Maint & repair of nonres buildings (partial)	2.3	1.2	2.4	2.2	-0.2	2.2	2.2	7.4
Table 2: Changes in PPIs for new, repair & maintenance work by subcontractors									
PCU23811X23811X	Concrete contractors, nonresidential building work	4.4	3.0	6.2	4.7	0.9	0.8	1.8	6.5
PCU23816X23816X	Roofing contractors, nonresidential building work	1.5	1.8	1.0	3.6	3.2	-0.1	1.8	6.4
PCU23821X23821X	Electrical contractors, nonresidential building work	-1.1	3.7	4.8	3.6	2.0	0.1	1.1	4.3
PCU23822X23822X	Plumbing contractors, nonresidential building work	-0.8	3.6	5.2	3.7	0.0	2.1	1.6	6.1
Table 3: Changes in PPIs for inputs to construction industries, excluding capital investment, labor and imports									
WPUIP230000	Inputs to construction industries			4.0	1.4	5.5	-0.9	-1.7	17.0
WPUIP2300001	Inputs to construction industries, goods	2.0	5.0	3.5	0.8	2.6	-0.5	-0.4	18.9
WPUIP23000012	Inputs to construction industries, energy			-5.0	3.7	-11.0	2.1	5.7	67.6
WPUIP23000013	Inputs to construction industries, goods less foods and energy			5.0	0.3	4.8	-0.8	-1.1	14.6
WPUIP2300002	Inputs to construction industries, services			4.6	2.1	9.1	-1.7	-3.9	14.0
WPUIP231000	Inputs to new construction			4.0	1.4	5.6	-0.9	-1.4	17.2
WPUIP231200	New nonresidential construction			4.3	1.8	4.4	-0.3	0.6	19.7
WPUIP231211	Commercial structures			4.7	1.6	4.2	0.1	1.6	20.4
WPUIP231212	Healthcare structures			4.2	1.7	5.0	-0.1	0.5	18.6
WPUIP231220	Industrial structures			4.0	3.2	3.8	-0.1	2.2	20.0
WPUIP231230	Other nonresidential			4.3	1.7	4.3	-0.4	0.3	19.4
WPUIP231231	Highways and streets			5.0	1.4	1.8	-0.2	1.5	20.0
WPUIP231232	Power and communications structures			3.6	1.5	3.6	-0.2	0.6	20.9
WPUIP231233	Educational and vocational structures			4.2	1.8	5.8	-0.5	-0.5	17.5
WPUIP231234	Other misc. nonresidential construction			3.8	1.9	4.8	-0.5	-0.4	19.4
WPUIP231100	New residential construction			3.9	1.0	6.7	-1.6	-4.0	14.4
WPUIP231110	Single-family			3.6	1.0	6.6	-1.9	-4.8	14.1
WPUIP231120	Multifamily			4.2	1.0	7.6	-2.0	-5.0	13.0
WPUIP232000	Maintenance and repair construction			3.7	1.4	5.7	-1.0	-2.4	15.1
WPUIP232200	Nonresidential maintenance and repair			3.8	1.3	5.2	-0.7	-1.8	16.9
WPUIP232100	Residential maintenance and repair			4.0	1.0	6.1	-1.6	-3.7	13.1
Table 4: Changes in PPIs for services important to construction									
WPU4531	Architectural services	1.1	2.7	-1.2	-1.7	0.6	0.3	0.8	1.4
WPU4532	Engineering services	2.0	2.8	2.1	2.0	1.5	0.0	0.2	3.6
WPU3012	Truck transportation of freight	0.2	4.5	6.5	0.0	2.2	0.8	2.2	15.0
WPU443	Const, mining & forestry mach & eq rental & leasing	-1.1	3.4	-0.5	-1.3	-4.6	0.0	0.3	1.1

BLS Series ID		12-month percentage change to December: 2016	2017	2018	2019	2020	to September 2021 since: 8/2021	6/2021	9/2020
Table 5: Changes in PPIs for processed goods important to construction									
WPU057303	#2 diesel fuel	21.4	40.9	4.0	-0.7	-2.8	4.9	6.9	88.7
WPU1394	Paving mixtures and blocks (asphalt)	-5.6	-0.4	10.5	-1.8	-2.7	0.0	0.9	5.7
WPU136	Asphalt felts and coatings	-1.9	2.2	10.6	-0.8	2.1	0.1	4.8	12.4
WPU1361	Prepared asphalt & tar roofing & siding products	-1.0	1.6	10.9	-0.8	2.5	0.1	5.0	13.1
WPU1322	Cement	5.0	4.3	2.8	1.9	1.9	0.6	1.1	4.4
WPU133	Concrete products	3.1	2.9	3.5	3.1	2.2	0.0	1.3	5.6
WPU1331	Concrete block and brick	2.0	2.9	3.1	3.6	3.0	0.1	0.8	4.3
WPU1332	Concrete pipe	2.2	0.5	2.3	4.1	2.6	-0.2	0.3	2.5
WPU1333	Ready-mixed concrete	3.7	3.1	3.2	2.7	2.2	-0.5	1.1	3.8
WPU1334	Precast concrete products	0.5	3.5	4.8	3.9	3.0	1.4	3.1	10.9
WPU1335	Prestressed concrete products	11.1	1.9	4.1	2.5	-1.2	1.3	0.1	11.2
WPU1342	Brick and structural clay tile	1.0	1.7	1.3	1.8	3.3	0.0	0.7	4.4
WPU0721	Plastic construction products	-0.1	4.7	2.5	0.4	5.4	1.4	9.2	29.5
WPU1311	Flat glass	3.1	1.1	1.4	1.0	3.7	0.3	0.5	7.2
WPU137	Gypsum products	7.9	5.8	4.0	-5.4	3.6	0.0	3.1	23.0
WPU1392	Insulation materials	3.1	1.2	5.1	-3.1	1.6	1.7	6.0	19.0
WPUSI004011	Lumber and plywood	3.6	11.2	-4.9	-2.2	37.2	-11.3	-38.5	-12.3
WPU062101	Architectural coatings	0.9	2.6	6.7	4.5	1.9	0.4	5.5	10.8
WPU1017	Steel mill products	8.6	7.5	19.3	-16.0	5.2	5.0	22.2	134.2
WPU101706	Steel pipe and tube	5.4	10.2	20.0	-9.0	1.9	4.2	24.0	70.1
WPU102502	Copper and brass mill shapes	21.1	9.0	-5.7	-0.6	23.6	-1.1	-1.5	39.5
WPU102501	Aluminum mill shapes	5.5	10.1	6.8	-4.4	-1.7	3.8	9.2	35.1
WPU1073	Sheet metal products	2.2	2.2	7.6	-1.3	-0.3	4.0	7.7	30.7
WPU107405	Fabricated structural metal	2.3	3.5	14.8	-3.3	-0.5	2.1	8.9	40.8
WPU1074051	Fabricated structural metal bar joists & rebar	4.9	-0.5	12.1	-2.9	0.5	3.3	15.5	55.4
WPU10740514	Fabricated structural metal for non-industrial building	4.0	-1.3	13.1	-3.8	0.2	3.6	17.8	60.9
WPU10740553	Fabricated structural metal for bridges	-7.0	-0.4	15.0	-6.9	-0.4	3.8	9.4	39.2
WPU107408	Ornamental and architectural metal work	2.2	3.5	11.5	0.1	4.8	2.1	4.1	32.0
WPU1076	Fabricated steel plate	0.2	1.4	2.9	-1.3	1.8	2.8	1.7	37.1
WPU1079	Prefabricated metal buildings	4.8	3.1	11.7	-5.3	12.0	1.4	13.6	48.9
WPU112	Construction machinery and equipment	0.9	0.9	3.4	2.3	1.1	0.0	2.1	5.4
WPU07120105	Truck & bus (incl. off-the-highway) pneumatic tires	2.7	1.8	2.5	-0.1	0.3	0.0	5.8	9.8
Table 6: Changes in PPIs for unprocessed goods important to construction									
WPU058102	Asphalt (at refinery)	-9.8	28.3	24.9	-17.1	-13.9	-1.2	6.4	52.2
WPU1321	Construction sand/gravel/crushed stone	2.3	4.2	3.8	4.2	4.3	0.1	0.2	4.1
WPU1012	Iron and steel scrap	63.7	18.5	14.1	-26.2	40.6	-3.2	-6.0	61.5
WPU101212	Stainless and alloy steel scrap	30.3	3.9	-15.6	-0.1	27.4	12.4	23.7	61.9
WPU102301	Copper base scrap	11.0	17.5	-9.0	-5.9	30.1	2.9	-1.3	40.0
Table 7: Changes in ECIs for total compensation, wages & salaries *(through June 2021)*									
CIU2010000000000	Private industry--total compensation	2.2	2.6	3.0	2.7	2.6		*0.8*	*3.1*
CIU2012300000000	Construction--total compensation	1.9	2.4	2.8	3.5	2.4		*1.4*	*3.0*
CIU2020000000000	Private industry--wages and salaries	2.3	2.8	3.1	3.0	2.8		*0.9*	*3.5*
CIU2022300000000	Construction--wages and salaries	2.1	2.5	3.1	3.8	2.8		*1.6*	*3.2*

Updated 10/14/2021.

Source: BLS: www.bls.gov/cpi for CPI, www.bls.gov/ppi for PPIs; www.bls.gov/ect for ECIs.

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Percentage Change in Producer Price Indexes (PPIs) and Employment Cost Indexes (ECIs) for Construction, 2016-2021

BLS Series ID		12-month percentage change to December:					to December 2021 since:		
		2016	2017	2018	2019	2020	11/2021	9/2021	12/2020
Table 1: Changes in consumer, producer & construction prices									
CUUR0000SA0	Consumer price index (CPI-U)	2.1	2.1	1.9	2.3	1.4	0.3	1.6	7.0
WPUFD4	Producer price index (PPI) for final demand	1.7	2.5	2.6	1.4	0.8	0.0	1.4	9.7
WPUFD43	Final demand construction	0.5	3.1	5.2	3.9	1.2	0.3	6.7	12.4
WPUFD431	Construction for private capital investment	0.8	3.1	5.3	3.8	1.3	0.4	7.6	13.4
WPUFD432	Construction for government	0.3	3.1	4.7	4.0	0.9	0.1	5.0	10.5
WPU80	Construction (partial)	0.9	2.7	4.5	3.5	0.9	0.3	5.6	11.9
WPU801	New nonresidential building construction	0.4	3.1	5.4	4.0	1.3	0.3	7.1	12.5
WPU801101	New warehouse building construction	1.3	3.5	4.0	4.5	-0.1	0.2	12.8	20.5
WPU801102	New school building construction	-0.3	3.5	5.4	4.7	1.2	0.0	5.8	9.6
WPU801103	New office building construction	1.3	2.6	5.6	3.6	1.2	0.7	6.7	13.1
WPU801104	New industrial building construction	0.0	4.0	5.9	4.5	2.0	0.5	8.8	13.7
WPU801105	New health care building construction	0.1	2.6	5.0	3.1	1.4	0.1	5.4	10.9
WPU802	Maint & repair of nonres buildings (partial)	2.3	1.2	2.4	2.2	-0.2	0.3	1.3	10.1
Table 2: Changes in PPIs for new, repair & maintenance work by subcontractors									
PCU23811X23811X	Concrete contractors, nonresidential building work	4.4	3.0	6.2	4.7	0.9	0.2	11.0	17.4
PCU23816X23816X	Roofing contractors, nonresidential building work	1.5	1.8	1.0	3.6	3.2	0.6	3.0	9.8
PCU23821X23821X	Electrical contractors, nonresidential building work	-1.1	3.7	4.8	3.6	2.0	0.1	4.3	9.2
PCU23822X23822X	Plumbing contractors, nonresidential building work	-0.8	3.6	5.2	3.7	0.0	0.6	2.0	8.9
Table 3: Changes in PPIs for inputs to construction industries, excluding capital investment, labor and imports									
WPUIP230000	Inputs to construction industries			4.0	1.4	5.5	0.5	1.5	17.8
WPUIP2300001	Inputs to construction industries, goods	2.0	5.0	3.5	0.8	2.6	0.6	3.9	22.3
WPUIP23000012	Inputs to construction industries, energy			-5.0	3.7	-11.0	-6.3	0.1	51.7
WPUIP23000013	Inputs to construction industries, goods less foods and energy			5.0	0.3	4.8	1.4	4.3	19.7
WPUIP2300002	Inputs to construction industries, services			4.6	2.1	9.1	0.3	-2.1	11.2
WPUIP231000	Inputs to new construction			4.0	1.4	5.6	0.5	1.7	18.3
WPUIP231200	New nonresidential construction			4.3	1.8	4.4	0.5	2.3	19.6
WPUIP231211	Commercial structures			4.7	1.6	4.2	0.8	2.9	20.7
WPUIP231212	Healthcare structures			4.2	1.7	5.0	1.0	3.2	19.8
WPUIP231220	Industrial structures			4.0	3.2	3.8	0.6	2.3	18.5
WPUIP231230	Other nonresidential			4.3	1.7	4.3	0.3	2.1	19.3
WPUIP231231	Highways and streets			5.0	1.4	1.8	-0.2	1.3	18.8
WPUIP231232	Power and communications structures			3.6	1.5	3.6	0.2	1.9	20.0
WPUIP231233	Educational and vocational structures			4.2	1.8	5.8	1.1	3.3	19.1
WPUIP231234	Other misc. nonresidential construction			3.8	1.9	4.8	0.6	2.3	19.4
WPUIP231100	New residential construction			3.9	1.0	6.7	0.7	0.6	15.1
WPUIP231110	Single-family			3.6	1.0	6.6	0.8	0.6	14.7
WPUIP231120	Multifamily			4.2	1.0	7.6	0.6	0.1	14.6
WPUIP232000	Maintenance and repair construction			3.7	1.4	5.7	0.4	1.1	16.0
WPUIP232200	Nonresidential maintenance and repair			3.8	1.3	5.2	0.3	1.3	17.7
WPUIP232100	Residential maintenance and repair			4.0	1.0	6.1	0.7	0.5	13.9
Table 4: Changes in PPIs for services important to construction									
WPU4531	Architectural services	1.1	2.7	-1.2	-1.7	0.6	0.0	0.2	2.3
WPU4532	Engineering services	2.0	2.8	2.1	2.0	1.5	-0.1	0.5	2.1
WPU3012	Truck transportation of freight	0.2	4.5	6.5	0.0	2.2	0.4	5.3	17.7
WPU443	Const, mining & forestry mach & eq rental & leasin	-1.1	3.4	-0.5	-1.3	-4.6	0.0	0.1	1.5

BLS Series ID		12-month percentage change to December:					to December 2021 since:		
		2016	2017	2018	2019	2020	11/2021	9/2021	12/2020
Table 5: Changes in PPIs for processed goods important to construction									
WPU057303	#2 diesel fuel	21.4	40.9	4.0	-0.7	-2.8	-5.3	4.1	54.9
WPU1394	Paving mixtures and blocks (asphalt)	-5.6	-0.4	10.5	-1.8	-2.7	1.2	1.6	8.3
WPU136	Asphalt felts and coatings	-1.9	2.2	10.6	-0.8	2.1	-4.2	-1.6	11.8
WPU1361	Prepared asphalt & tar roofing & siding products	-1.0	1.6	10.9	-0.8	2.5	-4.7	-1.7	12.5
WPU1322	Cement	5.0	4.3	2.8	1.9	1.9	0.0	-0.4	4.2
WPU133	Concrete products	3.1	2.9	3.5	3.1	2.2	0.6	1.6	8.5
WPU1331	Concrete block and brick	2.0	2.9	3.1	3.6	3.0	-0.1	0.8	5.1
WPU1332	Concrete pipe	2.2	0.5	2.3	4.1	2.6	1.3	5.0	11.2
WPU1333	Ready-mixed concrete	3.7	3.1	3.2	2.7	2.2	0.7	1.1	7.1
WPU1334	Precast concrete products	0.5	3.5	4.8	3.9	3.0	0.5	2.0	11.6
WPU1335	Prestressed concrete products	11.1	1.9	4.1	2.5	-1.2	0.4	3.0	15.3
WPU1342	Brick and structural clay tile	1.0	1.7	1.3	1.8	3.3	0.3	2.6	6.2
WPU0721	Plastic construction products	-0.1	4.7	2.5	0.4	5.4	1.3	5.7	34.0
WPU1311	Flat glass	3.1	1.1	1.4	1.0	3.7	1.1	2.9	7.3
WPU137	Gypsum products	7.9	5.8	4.0	-5.4	3.6	0.0	1.6	20.7
WPU1392	Insulation materials	3.1	1.2	5.1	-3.1	1.6	0.2	0.6	17.4
WPUSI004011	Lumber and plywood	3.6	11.2	-4.9	-2.2	37.2	12.7	22.5	17.6
WPU062101	Architectural coatings	0.9	2.6	6.7	4.5	1.9	0.6	2.5	13.9
WPU1017	Steel mill products	8.6	7.5	19.3	-16.0	5.2	0.2	7.0	127.2
WPU101706	Steel pipe and tube	5.4	10.2	20.0	-9.0	1.9	2.3	12.5	80.0
WPU102502	Copper and brass mill shapes	21.1	9.0	-5.7	-0.6	23.6	-3.3	-1.8	23.4
WPU102501	Aluminum mill shapes	5.5	10.1	6.8	-4.4	-1.7	-4.9	1.2	29.8
WPU1073	Sheet metal products	2.2	2.2	7.6	-1.3	-0.3	2.7	6.6	36.9
WPU107405	Fabricated structural metal	2.3	3.5	14.8	-3.3	-0.5	1.4	2.9	44.9
WPU1074051	Fabricated structural metal bar joists & rebar	4.9	-0.5	12.1	-2.9	0.5	2.0	2.6	57.4
WPU10740514	Fabricated structural metal for non-industrial buildi	4.0	-1.3	13.1	-3.8	0.2	2.1	2.4	62.3
WPU10740553	Fabricated structural metal for bridges	-7.0	-0.4	15.0	-6.9	-0.4	1.6	3.3	41.4
WPU107408	Ornamental and architectural metal work	2.2	3.5	11.5	0.1	4.8	1.0	14.0	54.6
WPU1076	Fabricated steel plate	0.2	1.4	2.9	-1.3	1.8	0.0	0.0	40.2
WPU1079	Prefabricated metal buildings	4.8	3.1	11.7	-5.3	12.0	0.2	0.9	40.9
WPU112	Construction machinery and equipment	0.9	0.9	3.4	2.3	1.1	0.9	4.3	10.1
WPU07120105	Truck & bus (incl. off-the-highway) pneumatic tires	2.7	1.8	2.5	-0.1	0.3	0.5	1.1	11.2
Table 6: Changes in PPIs for unprocessed goods important to construction									
WPU058102	Asphalt (at refinery)	-9.8	28.3	24.9	-17.1	-13.9	-6.0	0.2	69.5
WPU1321	Construction sand/gravel/crushed stone	2.3	4.2	3.8	4.2	4.3	-0.2	0.0	4.0
WPU1012	Iron and steel scrap	63.7	18.5	14.1	-26.2	40.6	-2.7	6.2	37.6
WPU101212	Stainless and alloy steel scrap	30.3	3.9	-15.6	-0.1	27.4	1.8	4.3	47.9
WPU102301	Copper base scrap	11.0	17.5	-9.0	-5.9	30.1	-0.6	2.5	24.5
Table 7: Changes in ECIs for total compensation, wages & salaries *(through September 2021)*									
CIU2010000000000I	Private industry--total compensation	2.2	2.6	3.0	2.7	2.6		*1.4*	*4.1*
CIU2012300000000I	Construction--total compensation	1.9	2.4	2.8	3.5	2.4		*0.4*	*3.0*
CIU2020000000000I	Private industry--wages and salaries	2.3	2.8	3.1	3.0	2.8		*1.6*	*4.6*
CIU2022300000000I	Construction--wages and salaries	2.1	2.5	3.1	3.8	2.8		*0.5*	*3.3*

Updated 1/13/2021

Source: BLS: www.bls.gov/cpi for CPI, www.bls.gov/ppi for PPIs; www.bls.gov/ect for ECIs.

Compiled by Ken Simonson (ken.simonson@agc.org), Chief Economist, Associated General Contractors of America, www.agc.org.

Percentage Change in Producer Price Indexes (PPIs) and Employment Cost Indexes (ECIs) for Construction, 2016-2021

BLS Series ID		12-month percentage change to December:					to November 2021 since:		
		2016	2017	2018	2019	2020	10/2021	8/2021	11/2020
Table 1: Changes in consumer, producer & construction prices									
CUUR0000SA0	Consumer price index (CPI-U)	2.1	2.1	1.9	2.3	1.4	0.5	1.6	6.8
WPUFD4	Producer price index (PPI) for final demand	1.7	2.5	2.6	1.4	0.8	0.5	1.8	9.6
WPUFD43	Final demand construction	0.5	3.1	5.2	3.9	1.2	0.3	7.0	12.3
WPUFD431	Construction for private capital investment	0.8	3.1	5.3	3.8	1.3	0.3	7.7	13.3
WPUFD432	Construction for government	0.3	3.1	4.7	4.0	0.9	0.3	5.7	10.4
WPU80	Construction (partial)	0.9	2.7	4.5	3.5	0.9	0.4	6.4	11.9
WPU801	New nonresidential building construction	0.4	3.1	5.4	4.0	1.3	0.3	7.2	12.4
WPU801101	New warehouse building construction	1.3	3.5	4.0	4.5	-0.1	-0.3	12.7	20.3
WPU801102	New school building construction	-0.3	3.5	5.4	4.7	1.2	0.1	5.9	9.7
WPU801103	New office building construction	1.3	2.6	5.6	3.6	1.2	0.2	6.1	12.4
WPU801104	New industrial building construction	0.0	4.0	5.9	4.5	2.0	0.8	9.6	14.6
WPU801105	New health care building construction	0.1	2.6	5.0	3.1	1.4	0.5	5.8	10.9
WPU802	Maint & repair of nonres buildings (partial)	2.3	1.2	2.4	2.2	-0.2	0.8	4.2	10.1
Table 2: Changes in PPIs for new, repair & maintenance work by subcontractors									
PCU23811X23811X	Concrete contractors, nonresidential building work	4.4	3.0	6.2	4.7	0.9	-0.3	11.1	16.8
PCU23816X23816X	Roofing contractors, nonresidential building work	1.5	1.8	1.0	3.6	3.2	0.5	3.2	9.6
PCU23821X23821X	Electrical contractors, nonresidential building work	-1.1	3.7	4.8	3.6	2.0	0.7	5.8	9.5
PCU23822X23822X	Plumbing contractors, nonresidential building work	-0.8	3.6	5.2	3.7	0.0	1.0	3.6	8.5
Table 3: Changes in PPIs for inputs to construction industries, excluding capital investment, labor and imports									
WPUIP230000	Inputs to construction industries			4.0	1.4	5.5	0.6	1.6	20.1
WPUIP2300001	Inputs to construction industries, goods	2.0	5.0	3.5	0.8	2.6	1.4	3.5	23.5
WPUIP23000012	Inputs to construction industries, energy			-5.0	3.7	-11.0	0.1	8.9	76.4
WPUIP23000013	Inputs to construction industries, goods less foods and energy			5.0	0.3	4.8	1.6	2.9	18.8
WPUIP2300002	Inputs to construction industries, services			4.6	2.1	9.1	-0.6	-1.3	15.1
WPUIP231000	Inputs to new construction			4.0	1.4	5.6	0.7	1.7	20.5
WPUIP231200	New nonresidential construction			4.3	1.8	4.4	0.9	2.5	22.1
WPUIP231211	Commercial structures			4.7	1.6	4.2	1.1	3.0	22.6
WPUIP231212	Healthcare structures			4.2	1.7	5.0	1.1	2.8	21.2
WPUIP231220	Industrial structures			4.0	3.2	3.8	1.1	2.6	20.8
WPUIP231230	Other nonresidential			4.3	1.7	4.3	0.8	2.4	21.9
WPUIP231231	Highways and streets			5.0	1.4	1.8	0.8	2.2	21.8
WPUIP231232	Power and communications structures			3.6	1.5	3.6	0.7	2.3	22.9
WPUIP231233	Educational and vocational structures			4.2	1.8	5.8	1.1	2.6	20.4
WPUIP231234	Other misc. nonresidential construction			3.8	1.9	4.8	0.7	2.4	21.9
WPUIP231100	New residential construction			3.9	1.0	6.7	0.3	0.4	17.3
WPUIP231110	Single-family			3.6	1.0	6.6	0.3	0.2	16.8
WPUIP231120	Multifamily			4.2	1.0	7.6	0.2	0.0	17.1
WPUIP232000	Maintenance and repair construction			3.7	1.4	5.7	0.5	1.2	18.4
WPUIP232200	Nonresidential maintenance and repair			3.8	1.3	5.2	0.6	1.7	20.3
WPUIP232100	Residential maintenance and repair			4.0	1.0	6.1	0.2	0.3	15.7
Table 4: Changes in PPIs for services important to construction									
WPU4531	Architectural services	1.1	2.7	-1.2	-1.7	0.6	0.3	0.8	2.4
WPU4532	Engineering services	2.0	2.8	2.1	2.0	1.5	0.1	0.6	3.1
WPU3012	Truck transportation of freight	0.2	4.5	6.5	0.0	2.2	1.0	4.5	16.3
WPU443	Const, mining & forestry mach & eq rental & leasin	-1.1	3.4	-0.5	-1.3	-4.6	0.0	0.6	1.5

BLS Series ID		12-month percentage change to December:					to November 2021 since:		
		2016	2017	2018	2019	2020	10/2021	8/2021	11/2020
Table 5: Changes in PPIs for processed goods important to construction									
WPU057303	#2 diesel fuel	21.4	40.9	4.0	-0.7	-2.8	-2.9	13.0	81.0
WPU1394	Paving mixtures and blocks (asphalt)	-5.6	-0.4	10.5	-1.8	-2.7	-0.5	0.2	6.2
WPU136	Asphalt felts and coatings	-1.9	2.2	10.6	-0.8	2.1	2.8	3.4	16.3
WPU1361	Prepared asphalt & tar roofing & siding products	-1.0	1.6	10.9	-0.8	2.5	3.2	3.8	17.7
WPU1322	Cement	5.0	4.3	2.8	1.9	1.9	0.0	0.3	4.8
WPU133	Concrete products	3.1	2.9	3.5	3.1	2.2	0.7	1.4	8.4
WPU1331	Concrete block and brick	2.0	2.9	3.1	3.6	3.0	0.7	0.8	5.2
WPU1332	Concrete pipe	2.2	0.5	2.3	4.1	2.6	0.3	4.7	10.5
WPU1333	Ready-mixed concrete	3.7	3.1	3.2	2.7	2.2	0.7	0.3	7.1
WPU1334	Precast concrete products	0.5	3.5	4.8	3.9	3.0	0.7	3.4	11.9
WPU1335	Prestressed concrete products	11.1	1.9	4.1	2.5	-1.2	1.4	3.5	13.6
WPU1342	Brick and structural clay tile	1.0	1.7	1.3	1.8	3.3	0.0	2.4	6.0
WPU0721	Plastic construction products	-0.1	4.7	2.5	0.4	5.4	1.5	5.8	32.5
WPU1311	Flat glass	3.1	1.1	1.4	1.0	3.7	0.3	2.2	8.4
WPU137	Gypsum products	7.9	5.8	4.0	-5.4	3.6	0.0	1.8	20.9
WPU1392	Insulation materials	3.1	1.2	5.1	-3.1	1.6	0.6	0.8	17.4
WPUSI004011	Lumber and plywood	3.6	11.2	-4.9	-2.2	37.2	3.5	1.0	12.2
WPU062101	Architectural coatings	0.9	2.6	6.7	4.5	1.9	0.6	1.9	12.4
WPU1017	Steel mill products	8.6	7.5	19.3	-16.0	5.2	2.4	11.7	141.6
WPU101706	Steel pipe and tube	5.4	10.2	20.0	-9.0	1.9	2.8	11.0	73.5
WPU102502	Copper and brass mill shapes	21.1	9.0	-5.7	-0.6	23.6	1.5	0.9	37.8
WPU102501	Aluminum mill shapes	5.5	10.1	6.8	-4.4	-1.7	2.3	9.3	41.1
WPU1073	Sheet metal products	2.2	2.2	7.6	-1.3	-0.3	2.9	5.3	33.9
WPU107405	Fabricated structural metal	2.3	3.5	14.8	-3.3	-0.5	1.7	3.7	44.7
WPU1074051	Fabricated structural metal bar joists & rebar	4.9	-0.5	12.1	-2.9	0.5	0.6	3.8	55.8
WPU10740514	Fabricated structural metal for non-industrial buildi	4.0	-1.3	13.1	-3.8	0.2	0.5	3.8	60.2
WPU10740553	Fabricated structural metal for bridges	-7.0	-0.4	15.0	-6.9	-0.4	3.7	3.9	51.4
WPU107408	Ornamental and architectural metal work	2.2	3.5	11.5	0.1	4.8	0.1	15.5	54.3
WPU1076	Fabricated steel plate	0.2	1.4	2.9	-1.3	1.8	0.0	2.1	45.3
WPU1079	Prefabricated metal buildings	4.8	3.1	11.7	-5.3	12.0	0.1	2.0	44.8
WPU112	Construction machinery and equipment	0.9	0.9	3.4	2.3	1.1	0.3	3.8	9.1
WPU07120105	Truck & bus (incl. off-the-highway) pneumatic tires	2.7	1.8	2.5	-0.1	0.3	1.6	0.8	10.7
Table 6: Changes in PPIs for unprocessed goods important to construction									
WPU058102	Asphalt (at refinery)	-9.8	28.3	24.9	-17.1	-13.9	8.4	5.9	82.9
WPU1321	Construction sand/gravel/crushed stone	2.3	4.2	3.8	4.2	4.3	0.2	0.2	4.5
WPU1012	Iron and steel scrap	63.7	18.5	14.1	-26.2	40.6	10.7	5.2	78.1
WPU101212	Stainless and alloy steel scrap	30.3	3.9	-15.6	-0.1	27.4	2.8	4.1	63.6
WPU102301	Copper base scrap	11.0	17.5	-9.0	-5.9	30.1	-0.1	2.6	40.0
Table 7: Changes in ECIs for total compensation, wages & salaries *(through September 2021)*									
CIU2010000000000I	Private industry--total compensation	2.2	2.6	3.0	2.7	2.6		*1.4*	*4.1*
CIU2012300000000I	Construction--total compensation	1.9	2.4	2.8	3.5	2.4		*0.4*	*3.0*
CIU2020000000000I	Private industry--wages and salaries	2.3	2.8	3.1	3.0	2.8		*1.6*	*4.6*
CIU2022300000000I	Construction--wages and salaries	2.1	2.5	3.1	3.8	2.8		*0.5*	*3.3*

Updated 12/14/2021

Source: BLS: www.bls.gov/cpi for CPI, www.bls.gov/ppi for PPIs; www.bls.gov/ect for ECIs.

Compiled by Ken Simonson (ken.simonson@agc.org), Chief Economist, Associated General Contractors of America, www.agc.org.

Percentage Change in Producer Price Indexes (PPIs) and Employment Cost Indexes (ECIs) for Construction, 2016-2021

BLS Series ID		12-month percentage change to December:					to October 2021 since:		
		2016	2017	2018	2019	2020	9/2021	7/2021	10/2020
Table 1: Changes in consumer, producer & construction prices *(through September 2021)*									
CUUR0000SA0	Consumer price index (CPI-U)	2.1	2.1	1.9	2.3	1.4	*0.3*	*1.0*	*5.4*
WPUFD4	Producer price index (PPI) for final demand	1.7	2.5	2.6	1.4	0.8	0.7	1.7	8.6
WPUFD43	Final demand construction	0.5	3.1	5.2	3.9	1.2	6.6	6.9	12.3
WPUFD431	Construction for private capital investment	0.8	3.1	5.3	3.8	1.3	7.5	7.8	13.3
WPUFD432	Construction for government	0.3	3.1	4.7	4.0	0.9	5.1	5.5	10.4
WPU80	Construction (partial)	0.9	2.7	4.5	3.5	0.9	5.6	6.5	11.7
WPU801	New nonresidential building construction	0.4	3.1	5.4	4.0	1.3	7.1	7.2	12.6
WPU801101	New warehouse building construction	1.3	3.5	4.0	4.5	-0.1	13.0	13.3	21.2
WPU801102	New school building construction	-0.3	3.5	5.4	4.7	1.2	5.7	5.4	9.6
WPU801103	New office building construction	1.3	2.6	5.6	3.6	1.2	5.8	5.4	12.1
WPU801104	New industrial building construction	0.0	4.0	5.9	4.5	2.0	8.5	9.4	14.0
WPU801105	New health care building construction	0.1	2.6	5.0	3.1	1.4	6.5	7.6	11.9
WPU802	Maint & repair of nonres buildings (partial)	2.3	1.2	2.4	2.2	-0.2	1.8	4.4	9.3
Table 2: Changes in PPIs for new, repair & maintenance work by subcontractors									
PCU23811X23811X	Concrete contractors, nonresidential building work	4.4	3.0	6.2	4.7	0.9	10.9	11.9	18.1
PCU23816X23816X	Roofing contractors, nonresidential building work	1.5	1.8	1.0	3.6	3.2	2.6	3.1	8.6
PCU23821X23821X	Electrical contractors, nonresidential building work	-1.1	3.7	4.8	3.6	2.0	4.7	5.1	8.6
PCU23822X23822X	Plumbing contractors, nonresidential building work	-0.8	3.6	5.2	3.7	0.0	1.2	3.5	7.4
Table 3: Changes in PPIs for inputs to construction industries, excluding capital investment, labor and imports									
WPUIP230000	Inputs to construction industries			4.0	1.4	5.5	0.8	-1.8	17.8
WPUIP2300001	Inputs to construction industries, goods	2.0	5.0	3.5	0.8	2.6	1.5	0.5	21.1
WPUIP23000012	Inputs to construction industries, energy			-5.0	3.7	-11.0	6.5	6.7	77.3
WPUIP23000013	Inputs to construction industries, goods less foods and energy			5.0	0.3	4.8	1.0	-0.2	16.3
WPUIP2300002	Inputs to construction industries, services			4.6	2.1	9.1	-0.1	-5.2	13.3
WPUIP231000	Inputs to new construction			4.0	1.4	5.6	0.9	-1.4	18.2
WPUIP231200	New nonresidential construction			4.3	1.8	4.4	1.3	1.0	21.1
WPUIP231211	Commercial structures			4.7	1.6	4.2	1.5	1.9	21.9
WPUIP231212	Healthcare structures			4.2	1.7	5.0	1.3	1.0	19.9
WPUIP231220	Industrial structures			4.0	3.2	3.8	1.3	2.1	20.6
WPUIP231230	Other nonresidential			4.3	1.7	4.3	1.3	0.6	20.7
WPUIP231231	Highways and streets			5.0	1.4	1.8	1.0	1.4	21.3
WPUIP231232	Power and communications structures			3.6	1.5	3.6	1.4	1.0	22.1
WPUIP231233	Educational and vocational structures			4.2	1.8	5.8	1.3	0.2	18.8
WPUIP231234	Other misc. nonresidential construction			3.8	1.9	4.8	1.4	-0.1	20.8
WPUIP231100	New residential construction			3.9	1.0	6.7	-0.1	-4.8	14.2
WPUIP231110	Single-family			3.6	1.0	6.6	-0.2	-5.6	13.8
WPUIP231120	Multifamily			4.2	1.0	7.6	0.1	-5.6	13.2
WPUIP232000	Maintenance and repair construction			3.7	1.4	5.7	0.8	-2.6	16.1
WPUIP232200	Nonresidential maintenance and repair			3.8	1.3	5.2	1.0	-1.8	18.2
WPUIP232100	Residential maintenance and repair			4.0	1.0	6.1	0.1	-4.7	13.0
Table 4: Changes in PPIs for services important to construction									
WPU4531	Architectural services	1.1	2.7	-1.2	-1.7	0.6	0.2	0.7	2.1
WPU4532	Engineering services	2.0	2.8	2.1	2.0	1.5	0.6	0.6	3.9
WPU3012	Truck transportation of freight	0.2	4.5	6.5	0.0	2.2	2.5	4.2	16.3
WPU443	Const, mining & forestry mach & eq rental & leasin	-1.1	3.4	-0.5	-1.3	-4.6	0.4	0.4	1.7

BLS Series ID		12-month percentage change to December:					to October 2021 since:		
		2016	2017	2018	2019	2020	9/2021	7/2021	10/2020
Table 5: Changes in PPIs for processed goods important to construction									
WPU057303	#2 diesel fuel	21.4	40.9	4.0	-0.7	-2.8	12.0	15.1	100.3
WPU1394	Paving mixtures and blocks (asphalt)	-5.6	-0.4	10.5	-1.8	-2.7	0.7	1.3	6.8
WPU136	Asphalt felts and coatings	-1.9	2.2	10.6	-0.8	2.1	0.2	3.9	16.3
WPU1361	Prepared asphalt & tar roofing & siding products	-1.0	1.6	10.9	-0.8	2.5	0.3	4.0	17.7
WPU1322	Cement	5.0	4.3	2.8	1.9	1.9	0.5	1.7	4.9
WPU133	Concrete products	3.1	2.9	3.5	3.1	2.2	0.7	1.8	6.5
WPU1331	Concrete block and brick	2.0	2.9	3.1	3.6	3.0	0.0	0.6	4.3
WPU1332	Concrete pipe	2.2	0.5	2.3	4.1	2.6	5.3	4.7	9.0
WPU1333	Ready-mixed concrete	3.7	3.1	3.2	2.7	2.2	0.1	1.2	4.3
WPU1334	Precast concrete products	0.5	3.5	4.8	3.9	3.0	1.5	3.4	11.8
WPU1335	Prestressed concrete products	11.1	1.9	4.1	2.5	-1.2	1.1	1.3	12.5
WPU1342	Brick and structural clay tile	1.0	1.7	1.3	1.8	3.3	2.4	2.6	6.0
WPU0721	Plastic construction products	-0.1	4.7	2.5	0.4	5.4	2.5	7.0	30.3
WPU1311	Flat glass	3.1	1.1	1.4	1.0	3.7	2.6	2.5	9.8
WPU137	Gypsum products	7.9	5.8	4.0	-5.4	3.6	1.8	2.3	25.1
WPU1392	Insulation materials	3.1	1.2	5.1	-3.1	1.6	-1.3	4.7	17.1
WPUSI004011	Lumber and plywood	3.6	11.2	-4.9	-2.2	37.2	3.2	-24.2	-3.9
WPU062101	Architectural coatings	0.9	2.6	6.7	4.5	1.9	0.7	1.6	11.6
WPU1017	Steel mill products	8.6	7.5	19.3	-16.0	5.2	4.8	15.6	141.6
WPU101706	Steel pipe and tube	5.4	10.2	20.0	-9.0	1.9	3.3	17.6	73.3
WPU102502	Copper and brass mill shapes	21.1	9.0	-5.7	-0.6	23.6	0.0	-0.1	37.2
WPU102501	Aluminum mill shapes	5.5	10.1	6.8	-4.4	-1.7	1.4	9.1	37.5
WPU1073	Sheet metal products	2.2	2.2	7.6	-1.3	-0.3	1.1	7.1	32.0
WPU107405	Fabricated structural metal	2.3	3.5	14.8	-3.3	-0.5	-1.4	6.4	41.7
WPU1074051	Fabricated structural metal bar joists & rebar	4.9	-0.5	12.1	-2.9	0.5	-1.9	10.2	52.6
WPU10740514	Fabricated structural metal for non-industrial buildi	4.0	-1.3	13.1	-3.8	0.2	-2.4	11.2	57.1
WPU10740553	Fabricated structural metal for bridges	-7.0	-0.4	15.0	-6.9	-0.4	-2.6	2.3	40.0
WPU107408	Ornamental and architectural metal work	2.2	3.5	11.5	0.1	4.8	21.4	24.0	59.6
WPU1076	Fabricated steel plate	0.2	1.4	2.9	-1.3	1.8	0.3	2.7	37.0
WPU1079	Prefabricated metal buildings	4.8	3.1	11.7	-5.3	12.0	0.6	5.3	49.5
WPU112	Construction machinery and equipment	0.9	0.9	3.4	2.3	1.1	1.6	2.5	7.0
WPU07120105	Truck & bus (incl. off-the-highway) pneumatic tires	2.7	1.8	2.5	-0.1	0.3	-0.8	-1.8	8.9
Table 6: Changes in PPIs for unprocessed goods important to construction									
WPU058102	Asphalt (at refinery)	-9.8	28.3	24.9	-17.1	-13.9	-0.6	-0.7	68.7
WPU1321	Construction sand/gravel/crushed stone	2.3	4.2	3.8	4.2	4.3	0.3	0.3	4.7
WPU1012	Iron and steel scrap	63.7	18.5	14.1	-26.2	40.6	1.5	-5.4	63.3
WPU101212	Stainless and alloy steel scrap	30.3	3.9	-15.6	-0.1	27.4	-0.5	12.0	62.3
WPU102301	Copper base scrap	11.0	17.5	-9.0	-5.9	30.1	1.7	-0.3	42.3
Table 7: Changes in ECIs for total compensation, wages & salaries *(through September 2021)*									
CIU2010000000000I	Private industry--total compensation	2.2	2.6	3.0	2.7	2.6		*1.4*	*4.1*
CIU2012300000000I	Construction--total compensation	1.9	2.4	2.8	3.5	2.4		*0.4*	*3.0*
CIU2020000000000I	Private industry--wages and salaries	2.3	2.8	3.1	3.0	2.8		*1.6*	*4.6*
CIU2022300000000I	Construction--wages and salaries	2.1	2.5	3.1	3.8	2.8		*0.5*	*3.3*

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Source: BLS: www.bls.gov/cpi for CPI, www.bls.gov/ppi for PPIs; www.bls.gov/ect for ECIs.

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