



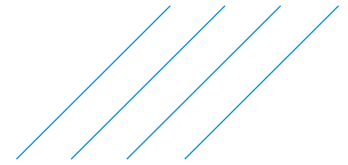
2019 Global Location Indices – Washington D.C. Base

UNITED STATES

City	State	Final Factor	2018-2019 Escalation	City	State	Final Factor	2018-2019 Escalation
Washington D.C.		100.00	3.95%	South Bend	IN	103.02	5.95%
Anchorage	AK	121.34	4.16%	Topeka	KS	103.87	6.84%
Fairbanks	AK	123.56	7.67%	Wichita	KS	100.65	8.59%
Birmingham	AL	91.41	4.56%	Louisville	KY	95.38	5.31%
Huntsville	AL	91.87	5.04%	Baton Rouge	LA	91.29	4.03%
Mobile	AL	91.93	4.82%	New Orleans	LA	91.06	5.04%
Montgomery	AL	92.57	4.62%	Shreveport	LA	90.35	4.42%
Little Rock	AR	100.14	9.44%	Boston	MA	122.14	3.40%
Phoenix	AZ	104.39	7.93%	New Bedford	MA	115.08	2.97%
Tucson	AZ	99.66	11.13%	Springfield	MA	119.06	7.87%
Anaheim	CA	116.16	6.11%	Worcester	MA	120.93	5.44%
Fresno	CA	119.42	5.96%	Baltimore	MD	98.06	4.15%
Los Angeles	CA	122.67	6.38%	Portland	ME	99.08	4.32%
Riverside	CA	116.54	9.91%	Ann Arbor	MI	100.28	0.67%
Sacramento	CA	122.23	5.74%	Dearborn	MI	100.59	0.66%
San Diego	CA	111.63	4.74%	Detroit	MI	102.07	1.32%
San Francisco	CA	142.15	5.14%	Flint	MI	103.52	6.85%
San Jose	CA	141.83	8.99%	Grand Rapids	MI	97.10	7.13%
Santa Barbara	CA	119.51	6.50%	Lansing	MI	101.80	6.70%
Denver	CO	107.92	7.91%	Duluth	MN	106.83	5.57%
Hartford	CT	115.88	4.09%	Minneapolis	MN	110.56	2.19%
New Haven	CT	115.89	3.99%	Rochester	MN	104.49	3.02%
Stamford	CT	122.83	7.56%	St Paul	MN	111.42	4.29%
Wilmington	DE	106.27	1.66%	Kansas City	MO	108.10	2.64%
Jacksonville	FL	90.74	6.70%	St Louis	MO	113.78	6.47%
Miami	FL	96.57	1.75%	Jackson	MS	94.15	8.40%
Orlando	FL	94.27	5.88%	Billings	MT	102.71	9.68%
Pensacola	FL	89.89	5.79%	Charlotte	NC	88.31	4.37%
Tallahassee	FL	87.40	7.25%	Raleigh	NC	90.98	4.72%
Tampa	FL	89.97	2.78%	Fargo	ND	100.52	6.46%
Atlanta	GA	96.36	9.73%	Lincoln	NE	97.97	---
Savannah	GA	94.26	8.11%	Omaha	NE	97.35	7.89%
Honolulu	HI	145.13	4.14%	Manchester	NH	101.57	4.43%
Cedar Rapids	IA	96.57	7.04%	New Brunswick	NJ	123.14	2.00%
Davenport	IA	102.03	6.50%	Newark	NJ	124.13	2.74%
Des Moines	IA	94.98	6.31%	Trenton	NJ	120.08	1.89%
Boise	ID	97.85	7.60%	Albuquerque	NM	96.70	4.48%
Chicago	IL	119.26	4.84%	Santa Fe	NM	104.81	10.95%
Peoria	IL	109.40	2.95%	Las Vegas	NV	112.57	10.09%
Rock Island	IL	104.24	6.44%	Albany	NY	113.67	5.99%
Rockford	IL	106.70	2.02%	Buffalo	NY	120.19	8.57%
Evansville	IN	101.55	6.07%	New York	NY	140.75	1.75%
Indianapolis	IN	98.35	4.08%	Rochester	NY	104.49	3.02%

All locations have been factored to Washington D.C. with a value of 100.

Faithful+Gould 2019 Global Location Indices – Construction.Intelligence@fgould.com

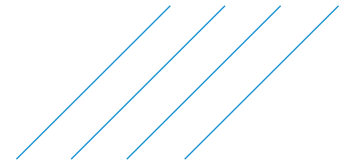


2019 Global Location Indices – Washington D.C. Base

UNITED STATES

City	State	Final Factor	2018-2019 Escalation	City	State	Final Factor	2018-2019 Escalation
Schenectady	NY	113.19	6.18%	Spokane	WA	112.86	6.26%
Syracuse	NY	110.62	5.02%	Tacoma	WA	124.52	9.84%
Akron	OH	99.67	0.82%	Green Bay	WI	110.31	7.41%
Cincinnati	OH	93.57	3.62%	Madison	WI	112.14	6.96%
Cleveland	OH	102.20	3.36%	Milwaukee	WI	114.93	6.70%
Columbus	OH	99.45	6.70%	Charleston	WV	94.37	7.82%
Dayton	OH	96.88	7.00%	Cheyenne	WY	102.58	10.19%
Toledo	OH	104.95	6.76%				
Youngstown	OH	101.51	7.51%				
Oklahoma City	OK	92.20	5.19%				
Tulsa	OK	95.90	8.58%				
Portland	OR	99.08	4.32%				
Erie	PA	99.22	1.54%				
Philadelphia	PA	120.72	3.61%				
Pittsburgh	PA	104.27	2.27%				
Reading	PA	101.79	1.71%				
Scranton	PA	96.60	1.82%				
York	PA	97.43	2.13%				
San Juan	PR	78.37	4.24%				
Providence	RI	111.97	3.08%				
Charleston	SC	94.37	7.82%				
Columbia	SC	88.89	5.59%				
Spartanburg	SC	89.76	6.91%				
Sioux Falls	SD	98.11	8.42%				
Chattanooga	TN	94.75	7.67%				
Knoxville	TN	88.68	5.25%				
Memphis	TN	92.40	5.47%				
Nashville	TN	98.47	7.38%				
Austin	TX	87.26	4.65%				
Corpus Christi	TX	87.21	8.92%				
Dallas	TX	92.37	7.48%				
El Paso	TX	93.53	8.60%				
Fort Worth	TX	91.44	6.73%				
Houston	TX	87.31	7.09%				
Lubbock	TX	97.17	8.52%				
San Antonio	TX	84.97	3.81%				
Salt Lake City	UT	98.35	7.64%				
Alexandria	VA	99.28	3.56%				
Newport News	VA	92.93	---				
Norfolk	VA	88.40	3.71%				
Richmond	VA	93.81	4.73%				
Burlington	VT	102.15	4.24%				
Seattle	WA	126.99	6.30%				

All locations have been factored to Washington D.C. with a value of 100.



2019 Global Location Indices – Washington D.C. Base

CANADA

City	Province	Final Factor	2018-2019 Escalation
Calgary	AB	112.90	11.39%
Edmonton	AB	113.29	11.45%
Halifax	NS	118.90	10.40%
Hamilton	ON	115.75	4.97%
Kitchener	ON	115.08	7.91%
London	ON	115.35	10.27%
Montreal	QC	109.99	6.57%
Ottawa	ON	113.27	7.52%
Quebec	QC	106.61	5.00%
Regina	SK	117.02	11.83%
Saint John	NB	116.55	13.92%
Saskatoon	SK	116.10	10.57%
St. Catharines	ON	114.32	7.93%
Sudbury	ON	114.25	8.12%
Thunder Bay	ON	113.70	8.01%
Toronto	ON	118.26	10.03%
Vancouver	BC	113.00	8.63%
Windsor	ON	114.56	7.59%
Winnipeg	MB	110.35	12.93%

MEXICO

City	State	Final Factor
Acapulco	GR	68.92
Aguascalientes	AG	67.76
Cancún	QR	72.88
Chihuahua	CH	68.35
Ciudad Del Carmen	CM	72.94
Guadalajara	JA	68.02
León	GT	67.80
Los Cabos	BS	73.35
Manzanillo	CL	68.59
Mazatlán	GR	68.11
Mérida	YU	72.94
Mexico City	DF	67.71
Monterrey	NL	71.27
Morelia	MI	67.80
Oaxaca	OA	66.36
Playa Del Carmen	QR	72.88
Puebla	PU	67.42
Puerto Vallarta	JA	68.13
Querétaro	QT	67.80
San Luis Potosí	SL	67.80
Tampico	TM	67.61
Tijuana	BC	80.36
Veracruz	VE	67.80
Villahermosa	GR	67.80

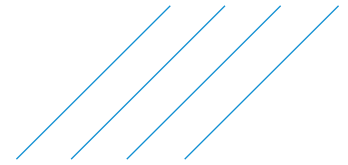


2019 Global Location Indices – Washington D.C. Base

INTERNATIONAL

Country	City	Final Factor	Country	City	Final Factor
AFRICA			Vietnam	Ho Chi Minh	43.82
Botswana	Gaborone	57.99	CARIBBEAN		
Egypt	Cairo	79.30	Antigua/Barbuda		117.32
Ghana	Accra	74.84	Bahamas		118.47
Kenya	Nairobi	31.49	Barbados		102.22
Mozambique	Maputo	74.15	Bermuda		157.03
Rwanda	Kigali	46.48	British Virgin Islands		122.58
Senegal	Dakar	66.97	Cayman Islands		128.29
South Africa	Johannesburg	39.30	Curacao		69.68
Tanzania	Dar es Salaam	36.18	Dominican Republic		61.66
Uganda	Kampala	41.66	Jamaica		75.30
Zambia	Lusaka	56.55	St. Lucia		87.85
Zimbabwe	Harare	72.52	St. Maarten		101.98
ASIA			Trinidad & Tobago		93.24
China	Beijing	64.28	Turks & Caicos		115.90
China	Chengdu	57.02	EUROPE		
China	Guangzhou	62.20	Austria	Vienna	115.15
China	Hong Kong	155.78	France	Paris	126.76
China	Macau	102.95	Germany	Berlin	108.14
China	Shanghai	62.47	Germany	Frankfurt	110.73
China	Shenzhen	60.70	Germany	Munich	119.54
China	Tianjin	54.20	Hungary	Budapest	63.34
China	Wuhan	36.09	Ireland	Dublin	108.88
China	Wuxi	57.46	Netherlands	Amsterdam	118.89
China	Xi'an	52.39	Norway	Oslo	129.68
China	Zhuhai	52.51	Poland	Warsaw	47.79
India	Ahmedabad	32.78	Spain	Barcelona	97.07
India	Bengaluru	31.86	Spain	Madrid	95.65
India	Chennai	31.78	Sweden	Stockholm	117.14
India	Goa	31.92	Switzerland	Zurich	157.95
India	Hyderabad	34.12	UK	Belfast	79.36
India	Kochi	33.11	UK	Birmingham	103.14
India	Kolkata	34.29	UK	Bristol	93.12
India	Mumbai	34.29	UK	Cardiff	93.12
India	New Delhi	35.45	UK	Edinburgh	89.79
India	Pune	33.11	UK	Leeds	117.39
Indonesia	Jakarta	32.08	UK	London	126.51
Japan	Tokyo	134.34	UK	Manchester	103.66
Kazakhstan	Atyrau	56.02	UK	Newcastle	100.19
Malaysia	Kuala Lumpur	37.73	UK	Nottingham	95.20
Singapore	Singapore	99.72	UK	Reading	121.77
South Korea	Seoul	76.76			
Thailand	Bangkok	37.46			

All locations have been factored to Washington D.C. with a value of 100.



2019 Global Location Indices – Washington D.C. Base

INTERNATIONAL

Country	City	Final Factor
MIDDLE EAST		
Oman	Muscat	57.01
Qatar	Doha	95.47
Saudi Arabia	Riyadh	72.85
UAE	Abu Dhabi	63.88
UAE	Dubai	64.37
OCEANIA		
Australia	Adelaide	73.63
Australia	Brisbane	83.19
Australia	Canberra	95.40
Australia	Darwin	81.15
Australia	Melbourne	84.00
Australia	Perth	75.67
Australia	Sydney	98.25
New Zealand	Auckland	88.66
New Zealand	Christchurch	84.69
SOUTH AND CENTRAL AMERICA		
Argentina	Buenos Aires	50.13
Brazil	Brasília	36.58
Brazil	Rio de Janeiro	44.29
Brazil	São Paulo	45.28
Chile	Santiago	55.76
Colombia	Bogotá	48.36
Panama	Panama City	59.07

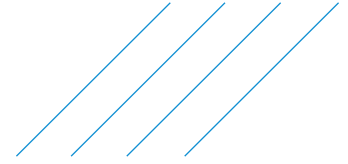
Exchange Rates

United States Dollar	USD	1.00
Argentinian Peso	ARS	40.51
Australian Dollar	AUD	1.41
Brazilian Real	BRL	3.79
Canadian Dollar	CAD	1.33
Chinese Yuan Renminbi	CNY	6.73
Colombian Peso	COP	3096.95
Egyptian Pound	EGP	17.29
Euro	EUR	0.88
Great Britain Pound	GBP	0.75
Hong Kong Dollar	HKD	7.85
Indian Rupee	INR	69.03
Indonesian Rupiah	IDR	14227.72
Japanese Yen	JPY	111.42
Kenya Shilling	KES	100.89
Malaysia Ringgit	MYR	4.07
Macau Pataca	MOP	8.09
Mexican Peso	MXN	19.01

Nigerian Naira	NGN	360.92
New Zealand Dollar	NZD	1.46
Norwegian Krone	NOK	8.52
Omani Rial	OMR	2.60
Philippines Peso	PHP	52.89
Poland Zloty	PLN	3.78
Qatar Riyal	QAR	3.64
Saudi Arabia Riyal	SAR	3.75
Singapore Dollar	SGD	1.35
South African Rand	ZAR	14.50
Swedish Krona	SEK	9.21
Swiss Franc	CHF	1.00
Thai Baht	THB	31.67
Trinidad and Tobago Dollar	TTD	6.77
Tanzanian Shilling	TZS	2341.61
Vietnamese Dong	VND	23200.72
UAE Dirham	AED	3.67

Note: Exchange rates are accurate as of March 2019

All locations have been factored to Washington D.C. with a value of 100.



2019 Global Location Indices – Washington D.C. Base

Faithful+Gould’s global location factor update for 2019 has been developed with internal data from international sources, as well as research based on publicly available information.

- Indices have been calculated using a standardized approach considering actual labor, materials, productivity and total construction costs across all studied locations.
- The cost data used has been sourced from projects representative of typical western building standards.
- The indices are a relative representation of varying locations and economies; actual costs are dependent on unique project characteristics.
- Application of an index to a particular project requires specific analysis by one of our technical staff.
- All indices for locations outside of the United States have been calculated considering local inflation and currency values at the time of publication. Exchange rates used are listed in the downloadable file.

Disclaimer

The data including location indices represented on this webpage and the information contained herein are provided for the user for guide and information purposes only and Faithful+Gould does not make any representation or warranty as to the factual accuracy of the information provided.

Factors such as the ratio of imported to local materials and labor and relative construction supply and demand for each project can have a substantial impact on international project cost.

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