

Table 4. U.S. natural gas imports, 2016-2018

(volumes in million cubic feet; prices in dollars per thousand cubic feet)

	2018 10-Month YTD	2017 10-Month YTD	2016 10-Month YTD	October	September	August	July	2018 June
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	2,380,138	2,459,300	2,423,144	210,402	R212,570	232,986	242,492	227,313
Mexico	3,172	766	770	69	68	522	960	240
Total Pipeline Imports	2,383,310	2,460,066	2,423,915	210,471	R212,638	233,508	243,452	227,553
LNG								
By Truck								
Canada	1,762	1,396	868	379	194	242	226	216
By Vessel								
France	2,768	0	0	0	0	0	0	0
Nigeria	0	2,753	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0	0
Trinidad/Tobago	51,226	56,620	69,573	5,696	2,961	5,231	5,376	2,688
United Kingdom	3,119	0	0	0	0	0	0	0
Total LNG Imports	58,875	60,770	70,440	6,075	3,154	5,473	5,602	2,904
CNG								
Canada	299	284	249	30	24	23	28	28
Total CNG Imports	299	284	249	30	24	23	28	28
Total Imports	2,442,484	2,521,119	2,494,604	216,576	R215,816	239,004	249,082	230,486
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.30	2.52	2.03	2.30	1.97	2.09	2.02	1.77
Mexico	4.36	2.66	1.73	2.43	3.13	5.49	5.32	2.63
Total Pipeline Imports	2.30	2.52	2.03	2.30	1.97	2.10	2.03	1.77
LNG								
By Truck								
Canada	8.55	8.69	8.09	9.64	8.36	8.32	8.32	8.18
By Vessel								
France	8.35	--	--	--	--	--	--	--
Nigeria	--	5.82	--	--	--	--	--	--
Norway	--	--	--	--	--	--	--	--
Trinidad/Tobago	5.16	4.34	3.83	5.66	4.80	3.50	3.53	4.33
United Kingdom	13.26	--	--	--	--	--	--	--
Total LNG Imports	5.84	4.51	3.89	5.90	5.02	3.72	3.72	4.62
CNG								
Canada	3.61	2.99	1.92	2.00	1.48	1.42	1.31	1.01
Total CNG Imports	3.61	2.99	1.92	2.00	1.48	1.42	1.31	1.01
Total Imports	2.53	2.67	2.19	2.57	2.09	2.22	2.15	1.86
Net Imports - Volume	-464,979	-58,960	637,911	-89,027	R-86,053	-72,282	-56,483	-30,824

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2016-2018

(volumes in million cubic feet; prices in dollars per thousand cubic feet) – continued

	2018					2017		
	May	April	March	February	January	Total	December	November
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	226,355	240,552	267,653	233,056	286,758	2,962,689	266,192	237,197
Mexico	190	68	119	805	130	1,346	504	76
Total Pipeline Imports	226,545	240,620	267,773	233,861	286,889	2,964,035	266,696	237,273
LNG								
By Truck								
Canada	224	196	54	21	10	1,569	8	165
By Vessel								
France	0	0	2,768	0	0	0	0	0
Nigeria	0	0	0	0	0	5,992	3,239	0
Norway	0	0	0	0	0	0	0	0
Trinidad/Tobago	2,429	2,934	3,650	6,750	13,511	70,450	7,617	6,213
United Kingdom	0	0	0	0	3,119	0	0	0
Total LNG Imports	2,653	3,131	6,473	6,771	16,640	78,011	10,864	6,378
CNG								
Canada	27	39	42	29	28	345	31	30
Total CNG Imports	27	39	42	29	28	345	31	30
Total Imports	229,226	243,789	274,287	240,661	303,557	3,042,391	277,590	243,681
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	1.64	2.11	2.17	2.75	3.78	2.55	2.94	2.40
Mexico	2.22	2.10	2.65	4.38	3.38	2.93	3.42	2.44
Total Pipeline Imports	1.64	2.11	2.17	2.76	3.78	2.55	2.94	2.40
LNG								
By Truck								
Canada	8.27	8.30	7.94	7.17	7.94	8.63	8.19	8.12
By Vessel								
France	--	--	8.35	--	--	--	--	--
Nigeria	--	--	--	--	--	6.52	7.11	--
Norway	--	--	--	--	--	--	--	--
Trinidad/Tobago	4.27	4.33	6.08	5.95	6.18	4.32	4.88	3.47
United Kingdom	--	--	--	--	13.26	--	--	--
Total LNG Imports	4.61	4.57	7.07	5.95	7.51	4.58	5.55	3.59
CNG								
Canada	1.19	2.69	2.14	12.03	10.87	2.95	4.31	1.17
Total CNG Imports	1.19	2.69	2.14	12.03	10.87	2.95	4.31	1.17
Total Imports	1.73	2.20	2.45	3.01	4.40	2.60	3.26	2.52
Net Imports - Volume	-44,069	-35,463	-17,692	-35,614	2,528	-125,466	-21,834	-44,673

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2016-2018

(volumes in million cubic feet; prices in dollars per thousand cubic feet) – continued

	October	September	August	July	June	May	April	2017 March
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	241,425	226,738	239,935	245,212	234,061	238,753	232,998	275,573
Mexico	81	68	63	80	78	78	79	83
Total Pipeline Imports	241,506	226,806	239,997	245,292	234,140	238,831	233,077	275,656
LNG								
By Truck								
Canada	120	183	226	215	212	220	186	8
By Vessel								
France	0	0	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0	0
Trinidad/Tobago	2,337	2,467	7,636	4,974	5,425	5,275	4,985	4,870
United Kingdom	0	0	0	0	0	0	0	0
Total LNG Imports	2,457	2,650	7,862	5,189	5,637	5,494	5,171	4,878
CNG								
Canada	22	25	28	27	29	28	31	34
Total CNG Imports	22	25	28	27	29	28	31	34
Total Imports	243,985	229,482	247,888	250,508	239,805	244,353	238,279	280,567
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	1.98	2.05	2.24	2.31	2.51	2.59	2.53	2.57
Mexico	2.43	2.64	2.31	2.62	2.77	2.62	2.64	2.27
Total Pipeline Imports	1.98	2.05	2.24	2.31	2.51	2.59	2.53	2.57
LNG								
By Truck								
Canada	8.33	8.66	8.69	8.78	8.91	8.88	8.49	7.05
By Vessel								
France	--	--	--	--	--	--	--	--
Nigeria	--	--	--	--	--	--	--	--
Norway	--	--	--	--	--	--	--	--
Trinidad/Tobago	4.20	3.74	3.19	3.21	3.37	3.65	3.56	4.34
United Kingdom	--	--	--	--	--	--	--	--
Total LNG Imports	4.41	4.08	3.34	3.44	3.58	3.86	3.74	4.35
CNG								
Canada	1.06	0.82	0.97	1.19	1.64	1.86	1.76	1.91
Total CNG Imports	1.06	0.82	0.97	1.19	1.64	1.86	1.76	1.91
Total Imports	2.05	2.12	2.38	2.40	2.62	2.70	2.64	2.68
Net Imports - Volume	-37,374	-20,798	969	2,080	-13,517	-9,511	-8,973	8,724

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2016-2018

(volumes in million cubic feet; prices in dollars per thousand cubic feet) – continued

	2017		Total	December	November	October	September	2016
	February	January						August
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	246,020	278,584	2,916,856	271,845	221,866	225,588	235,512	253,793
Mexico	74	83	917	64	83	83	82	90
Total Pipeline Imports	246,094	278,666	2,917,774	271,910	221,949	225,671	235,594	253,883
LNG								
By Truck								
Canada	8	18	924	16	41	58	72	84
By Vessel								
France	0	0	0	0	0	0	0	0
Nigeria	0	2,753	0	0	0	0	0	0
Norway	0	0	3,253	0	3,253	0	0	0
Trinidad/Tobago	8,468	10,183	84,190	8,838	5,779	5,696	2,810	7,998
United Kingdom	0	0	0	0	0	0	0	0
Total LNG Imports	8,477	12,955	88,367	8,854	9,073	5,753	2,882	8,082
CNG								
Canada	26	35	299	27	22	25	15	17
Total CNG Imports	26	35	299	27	22	25	15	17
Total Imports	254,597	291,656	3,006,439	280,791	231,044	231,449	238,491	261,983
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.81	3.41	2.18	3.31	2.41	2.50	2.42	2.29
Mexico	2.94	3.29	1.85	2.56	2.34	2.50	2.43	2.27
Total Pipeline Imports	2.81	3.41	2.18	3.31	2.41	2.50	2.42	2.29
LNG								
By Truck								
Canada	7.22	9.12	8.07	7.51	7.92	7.93	8.04	8.11
By Vessel								
France	--	--	--	--	--	--	--	--
Nigeria	--	5.82	--	--	--	--	--	--
Norway	--	--	3.12	--	3.12	--	--	--
Trinidad/Tobago	6.39	5.48	4.06	4.62	5.96	3.05	3.13	3.17
United Kingdom	--	--	--	--	--	--	--	--
Total LNG Imports	6.39	5.56	4.07	4.63	4.95	3.10	3.25	3.23
CNG								
Canada	6.07	10.64	1.97	3.24	0.97	0.72	1.22	1.20
Total CNG Imports	6.07	10.64	1.97	3.24	0.97	0.72	1.22	1.20
Total Imports	3.14	3.75	2.24	3.50	2.70	2.59	2.47	2.42
Net Imports - Volume	-349	19,789	670,991	29,955	3,125	54,983	36,505	47,757

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2016-2018

(volumes in million cubic feet; prices in dollars per thousand cubic feet) – continued

	2016						
	July	June	May	April	March	February	January
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	259,132	234,145	243,017	236,451	232,095	241,948	261,462
Mexico	92	83	72	71	69	70	59
Total Pipeline Imports	259,224	234,229	243,088	236,522	232,164	242,019	261,521
LNG							
By Truck							
Canada	70	118	113	74	65	116	97
By Vessel							
France	0	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0
Trinidad/Tobago	5,703	7,520	5,087	4,693	8,503	9,612	11,951
United Kingdom	0	0	0	0	0	0	0
Total LNG Imports	5,773	7,638	5,200	4,767	8,568	9,728	12,048
CNG							
Canada	25	19	29	28	33	29	30
Total CNG Imports	25	19	29	28	33	29	30
Total Imports	265,022	241,885	248,317	241,317	240,764	251,775	273,600
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.26	1.76	1.44	1.51	1.55	2.12	2.42
Mexico	2.45	1.41	1.10	1.03	0.82	1.22	1.50
Total Pipeline Imports	2.26	1.76	1.44	1.51	1.55	2.12	2.42
LNG							
By Truck							
Canada	7.95	7.80	7.72	7.88	8.74	8.58	8.21
By Vessel							
France	--	--	--	--	--	--	--
Nigeria	--	--	--	--	--	--	--
Norway	--	--	--	--	--	--	--
Trinidad/Tobago	3.15	3.11	3.36	3.23	3.25	5.08	5.45
United Kingdom	--	--	--	--	--	--	--
Total LNG Imports	3.21	3.18	3.45	3.30	3.29	5.12	5.48
CNG							
Canada	1.62	0.63	1.10	1.05	1.54	3.27	5.41
Total CNG Imports	1.62	0.63	1.10	1.05	1.54	3.27	5.41
Total Imports	2.35	1.90	1.55	1.61	1.73	2.43	2.80
Net Imports - Volume	76,339	58,872	60,043	63,464	45,849	89,019	105,079

^a EIA has reduced the reported volume of gas imported by pipeline from Canada by the amount of natural gas liquids removed from the saturated natural gas carried by Alliance Pipeline. Alliance moves saturated natural gas from the border to a processing plant in Illinois. After the adjustment, volumes of imported natural gas on this pipeline are on the same physical basis as other reported volumes of pipeline imports.

^b For the "Other" area the point of origin for volumes of imported LNG was unassigned in the reports to the Office of Fossil Energy.

^c Revised data.

-- Not applicable.

Note: In the case of missing import or export reports on Form FE-746R, "Import and Export of Natural Gas," EIA estimates the missing volumes using pipeline flows or other available information. Prices are in nominal dollars. LNG prices are a volume-weighted average of the prices reported by cargo. See the "LNG Monthly" (<https://energy.gov/fe/listings/lng-reports>) from the Office of Fossil Energy, U.S. Department of Energy, for more information on what is included in the individual LNG prices.

Source: Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports."