

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

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

	2018 11-Month YTD	2017 11-Month YTD	2016 11-Month YTD	2018				
				November	October	September	August	July
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	2,590,909	2,696,497	2,645,011	210,058	211,115	212,570	232,986	242,492
Mexico	3,251	842	853	79	69	68	522	960
Total Pipeline Imports	2,594,159	2,697,339	2,645,864	210,137	211,183	212,638	233,508	243,452
LNG								
By Truck								
Canada	1,832	1,561	908	70	379	194	242	226
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	3,253	0	0	0	0	0
Trinidad/Tobago	53,961	62,833	75,352	2,734	5,696	2,961	5,231	5,376
United Kingdom	3,119	0	0	0	0	0	0	0
Total LNG Imports	61,680	67,148	79,513	2,805	6,075	3,154	5,473	5,602
CNG								
Canada	329	314	271	30	30	24	23	28
Total CNG Imports	329	314	271	30	30	24	23	28
Total Imports	2,656,168	2,764,800	2,725,648	212,971	217,289	215,816	239,004	249,082
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.43	2.51	2.06	3.87	2.33	1.97	2.09	2.02
Mexico	4.33	2.64	1.79	2.98	2.43	3.13	5.49	5.32
Total Pipeline Imports	2.43	2.51	2.06	3.87	2.33	1.97	2.10	2.03
LNG								
By Truck								
Canada	8.55	8.63	8.08	8.44	9.64	8.36	8.32	8.32
By Vessel								
France	8.35	--	--	--	--	--	--	--
Nigeria	--	5.82	--	--	--	--	--	--
Norway	--	--	3.12	--	--	--	--	--
Trinidad/Tobago	5.44	4.25	4.00	10.76	5.66	4.80	3.50	3.53
United Kingdom	13.26	--	--	--	--	--	--	--
Total LNG Imports	6.06	4.42	4.01	10.70	5.90	5.02	3.72	3.72
CNG								
Canada	3.49	2.81	1.84	2.22	2.00	1.48	1.42	1.31
Total CNG Imports	3.49	2.81	1.84	2.22	2.00	1.48	1.42	1.31
Total Imports	2.65	2.66	2.24	4.10	2.59	2.09	2.22	2.15
Net Imports - Volume	-587,789	-103,633	641,036	-123,495	88,342	-86,053	-72,282	-56,483

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	
	June	May	April	March	February	January	Total	December
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	227,313	226,355	240,552	267,653	233,056	286,758	2,962,689	266,192
Mexico	240	190	68	119	805	130	1,346	504
Total Pipeline Imports	227,553	226,545	240,620	267,773	233,861	286,889	2,964,035	266,696
LNG								
By Truck								
Canada	216	224	196	54	21	10	1,569	8
By Vessel								
France	0	0	0	2,768	0	0	0	0
Nigeria	0	0	0	0	0	0	5,992	3,239
Norway	0	0	0	0	0	0	0	0
Trinidad/Tobago	2,688	2,429	2,934	3,650	6,750	13,511	70,450	7,617
United Kingdom	0	0	0	0	0	3,119	0	0
Total LNG Imports	2,904	2,653	3,131	6,473	6,771	16,640	78,011	10,864
CNG								
Canada	28	27	39	42	29	28	345	31
Total CNG Imports	28	27	39	42	29	28	345	31
Total Imports	230,486	229,226	243,789	274,287	240,661	303,557	3,042,391	277,590
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	1.77	1.64	2.11	2.17	2.75	3.78	2.55	2.94
Mexico	2.63	2.22	2.10	2.65	4.38	3.38	2.93	3.42
Total Pipeline Imports	1.77	1.64	2.11	2.17	2.76	3.78	2.55	2.94
LNG								
By Truck								
Canada	8.18	8.27	8.30	7.94	7.17	7.94	8.63	8.19
By Vessel								
France	--	--	--	8.35	--	--	--	--
Nigeria	--	--	--	--	--	--	6.52	7.11
Norway	--	--	--	--	--	--	--	--
Trinidad/Tobago	4.33	4.27	4.33	6.08	5.95	6.18	4.32	4.88
United Kingdom	--	--	--	--	--	13.26	--	--
Total LNG Imports	4.62	4.61	4.57	7.07	5.95	7.51	4.58	5.55
CNG								
Canada	1.01	1.19	2.69	2.14	12.03	10.87	2.95	4.31
Total CNG Imports	1.01	1.19	2.69	2.14	12.03	10.87	2.95	4.31
Total Imports	1.86	1.73	2.20	2.45	3.01	4.40	2.60	3.26
Net Imports - Volume	-30,824	-44,069	-35,463	-17,692	-35,614	2,528	-125,466	-21,834

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

	November	October	September	August	July	June	May	2017 April
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	237,197	241,425	226,738	239,935	245,212	234,061	238,753	232,998
Mexico	76	81	68	63	80	78	78	79
Total Pipeline Imports	237,273	241,506	226,806	239,997	245,292	234,140	238,831	233,077
LNG								
By Truck								
Canada	165	120	183	226	215	212	220	186
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	6,213	2,337	2,467	7,636	4,974	5,425	5,275	4,985
United Kingdom	0	0	0	0	0	0	0	0
Total LNG Imports	6,378	2,457	2,650	7,862	5,189	5,637	5,494	5,171
CNG								
Canada	30	22	25	28	27	29	28	31
Total CNG Imports	30	22	25	28	27	29	28	31
Total Imports	243,681	243,985	229,482	247,888	250,508	239,805	244,353	238,279
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.40	1.98	2.05	2.24	2.31	2.51	2.59	2.53
Mexico	2.44	2.43	2.64	2.31	2.62	2.77	2.62	2.64
Total Pipeline Imports	2.40	1.98	2.05	2.24	2.31	2.51	2.59	2.53
LNG								
By Truck								
Canada	8.12	8.33	8.66	8.69	8.78	8.91	8.88	8.49
By Vessel								
France	--	--	--	--	--	--	--	--
Nigeria	--	--	--	--	--	--	--	--
Norway	--	--	--	--	--	--	--	--
Trinidad/Tobago	3.47	4.20	3.74	3.19	3.21	3.37	3.65	3.56
United Kingdom	--	--	--	--	--	--	--	--
Total LNG Imports	3.59	4.41	4.08	3.34	3.44	3.58	3.86	3.74
CNG								
Canada	1.17	1.06	0.82	0.97	1.19	1.64	1.86	1.76
Total CNG Imports	1.17	1.06	0.82	0.97	1.19	1.64	1.86	1.76
Total Imports	2.52	2.05	2.12	2.38	2.40	2.62	2.70	2.64
Net Imports - Volume	-44,673	-37,374	-20,798	969	2,080	-13,517	-9,511	-8,973

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				2016			
	March	February	January	Total	December	November	October	September
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	275,573	246,020	278,584	2,916,856	271,845	221,866	225,588	235,512
Mexico	83	74	83	917	64	83	83	82
Total Pipeline Imports	275,656	246,094	278,666	2,917,774	271,910	221,949	225,671	235,594
LNG								
By Truck								
Canada	8	8	18	924	16	41	58	72
By Vessel								
France	0	0	0	0	0	0	0	0
Nigeria	0	0	2,753	0	0	0	0	0
Norway	0	0	0	3,253	0	3,253	0	0
Trinidad/Tobago	4,870	8,468	10,183	84,190	8,838	5,779	5,696	2,810
United Kingdom	0	0	0	0	0	0	0	0
Total LNG Imports	4,878	8,477	12,955	88,367	8,854	9,073	5,753	2,882
CNG								
Canada	34	26	35	299	27	22	25	15
Total CNG Imports	34	26	35	299	27	22	25	15
Total Imports	280,567	254,597	291,656	3,006,439	280,791	231,044	231,449	238,491
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.57	2.81	3.41	2.18	3.31	2.41	2.50	2.42
Mexico	2.27	2.94	3.29	1.85	2.56	2.34	2.50	2.43
Total Pipeline Imports	2.57	2.81	3.41	2.18	3.31	2.41	2.50	2.42
LNG								
By Truck								
Canada	7.05	7.22	9.12	8.07	7.51	7.92	7.93	8.04
By Vessel								
France	--	--	--	--	--	--	--	--
Nigeria	--	--	5.82	--	--	--	--	--
Norway	--	--	--	3.12	--	3.12	--	--
Trinidad/Tobago	4.34	6.39	5.48	4.06	4.62	5.96	3.05	3.13
United Kingdom	--	--	--	--	--	--	--	--
Total LNG Imports	4.35	6.39	5.56	4.07	4.63	4.95	3.10	3.25
CNG								
Canada	1.91	6.07	10.64	1.97	3.24	0.97	0.72	1.22
Total CNG Imports	1.91	6.07	10.64	1.97	3.24	0.97	0.72	1.22
Total Imports	2.68	3.14	3.75	2.24	3.50	2.70	2.59	2.47
Net Imports - Volume	8,724	-349	19,789	670,991	29,955	3,125	54,983	36,505

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
	August	July	June	May	April	March	February	January
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	253,793	259,132	234,145	243,017	236,451	232,095	241,948	261,462
Mexico	90	92	83	72	71	69	70	59
Total Pipeline Imports	253,883	259,224	234,229	243,088	236,522	232,164	242,019	261,521
LNG								
By Truck								
Canada	84	70	118	113	74	65	116	97
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	7,998	5,703	7,520	5,087	4,693	8,503	9,612	11,951
United Kingdom	0	0	0	0	0	0	0	0
Total LNG Imports	8,082	5,773	7,638	5,200	4,767	8,568	9,728	12,048
CNG								
Canada	17	25	19	29	28	33	29	30
Total CNG Imports	17	25	19	29	28	33	29	30
Total Imports	261,983	265,022	241,885	248,317	241,317	240,764	251,775	273,600
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.29	2.26	1.76	1.44	1.51	1.55	2.12	2.42
Mexico	2.27	2.45	1.41	1.10	1.03	0.82	1.22	1.50
Total Pipeline Imports	2.29	2.26	1.76	1.44	1.51	1.55	2.12	2.42
LNG								
By Truck								
Canada	8.11	7.95	7.80	7.72	7.88	8.74	8.58	8.21
By Vessel								
France	--	--	--	--	--	--	--	--
Nigeria	--	--	--	--	--	--	--	--
Norway	--	--	--	--	--	--	--	--
Trinidad/Tobago	3.17	3.15	3.11	3.36	3.23	3.25	5.08	5.45
United Kingdom	--	--	--	--	--	--	--	--
Total LNG Imports	3.23	3.21	3.18	3.45	3.30	3.29	5.12	5.48
CNG								
Canada	1.20	1.62	0.63	1.10	1.05	1.54	3.27	5.41
Total CNG Imports	1.20	1.62	0.63	1.10	1.05	1.54	3.27	5.41
Total Imports	2.42	2.35	1.90	1.55	1.61	1.73	2.43	2.80
Net Imports - Volume	47,757	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.

^R 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."