

Consumption of liquid biofuels

This spreadsheet forms part of the National Statistics publication Energy Trends produced by the Department for Energy Security & Net Zero (DESNZ). The data presented is on UK liquid biofuels consumption. Biofuels can be either blended with, or substitute hydrocarbon products and used for road and air transport or burnt to generate power and heat. Data are sourced from DfT's Renewable Transport Fuel Obligation (RTFO) statistics. HMRC's Hydrocarbon Oils bulletin and from administrative data collected as part of the Combined Heat & Power Quality Assurance programme (CHPQA).

Publication dates

These data were published on **Thursday 27th June 2024**
The next publication date is **Thursday 26th September 2024**

Data period

This spreadsheet contains quarterly data including new **data for January to December 2023** and **estimated data for January to March 2024**

Revisions

This table now presents actual RTFO data for 2023. RTFO data are published in this table only when sufficiently complete, usually when the 4th provisional RTFO report is published.

Further information

The data tables and accompanying cover sheet, contents, and commentary have been edited to meet legal accessibility regulations
To provide feedback please contact

energy.stats@energysecurity.gov.uk

Some cells in the tables refer to notes which can be found in the notes worksheet
Note markers are presented in square brackets, for example [Note 1]

Time periods used in this workbook refer to calendar quarters, i.e. quarter 1 represents January to March, quarter 2 April to June, quarter 3 July to September and quarter 4 October to December, and calendar years i.e. January to December

Links to additional further information in cells below

[Energy trends publication \(opens in a new window\)](#)

[Data sources and methodology for renewables statistics \(opens in a new window\)](#)

[HMRC Hydrocarbon oils Bulletin \(opens in a new window\)](#)

[RTFO Statistics \(opens in a new window\)](#)

[Energy statistics revisions policy \(opens in a new window\)](#)

[Glossary and acronyms, DUKES Annex B \(opens in a new window\)](#)

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Worksheet description

Front page with general details, sources and contacts

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Notes to the data tables

Brief notes on trends and main points from this release

Summary of liquid biofuels consumption in the UK, in million litres and energy equivalent

Annual liquid biofuels consumption in the UK, in million litres and energy equivalent

Quarterly liquid biofuels consumption in the UK, in million litres and energy equivalent

Link

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Notes

This worksheet contains one table

This table contains supplementary information supporting natural gas supply and consumption data which are referred to in the data presented in this workbook

Note	Description
Note 1	Percentage change between the most recent quarter and the same quarter in the previous year
Note 2	Includes bioethanol, biomethanol, MTBE (renewable portion), and bio-petrol
Note 3	Includes FAME, HVO, diesel of bio origin and pure bio oils
Note 4	Includes biopropane and biobutane
Note 5	Biofuels supplied to Non-Road Mobile Machinery (NRMM). Note that some FAME and HVO are also used in NRMM, however these quantities are too small to be split out of the transport component.
Note 6	Bioliquids used to generate electricity. Data for 2023 is estimated.
Note 7	Percentage point change between the most recent quarter and the same quarter in the previous year
Note 8	Figures in orange text (supply of bio-LPGs, aviation biofuels and off-road biodiesel) are provisional estimates, obtained by rolling over the totals for the previous calendar year, split evenly across the quarters. These will be replaced with actual figures when sufficient data have been reported in the RTFO Statistics release.

Commentary

This table has historically presented biogasoline and biodiesel either blended with, or as a replacement for motor spirit and diesel (DERV) respectively, and consumed in road transport. However, since June 2023, its scope was extended to include new and emerging biofuels (currently Bio LPGs (road transport), and aviation turbine fuel), and consuming sectors (non road mobile machinery, NRMM), and electricity generation (mostly small scale autogenerators).

New and emerging fuels with a low baseline tend to display some volatility while demand matures, making it difficult to identify consistent trends from quarter to quarter.

Biofuels data are also subject to frequent and notable revisions throughout the year, as the Renewable Transport Fuel Obligation (RTFO) Statistics release are updated with new data. For example, in the December edition of Energy Trends, aviation fuel displayed an unexpectedly large spike, which has now largely been reclassified in the latest RTFO data.

To avoid such sizable revisions, quarterly estimates will now replace RTFO data until the latter become more stable in the fourth provisional report due to be published by the Department for Transport in May 2024. This will enable inclusion in the annual Digest of UK Energy Statistics (DUKES) when published on July 30th. Until then, estimates will be based on HMRC growth rates for the more established liquid biofuels (biodiesel and biogasoline). For the new and emerging fuels, the previous year's figure will be rolled over and apportioned equally across the four quarters.

<https://www.gov.uk/government/collections/renewable-fuel-statistics>

In the latest quarter (provisional)

Liquid biofuels consumption in road transport fell by 22 per cent in Quarter 1 2024. Biodiesel saw an almost 25 per cent drop, and biogasoline's consumption dropped by 18 per cent. With demand for fossil motor fuels being relatively stable in Quarter 1 2024, biofuels' shares dropped to 6.8 and 5.6 per cent for biogasoline and biodiesel respectively.

These trends are based on estimated data and are subject to further revisions.

Consumption of liquid biofuels - main table

This worksheet contains three tables. Tables are arranged vertically on top of each other and separated by a blar
Some cells refer to notes, which can be found in the 'Notes' sheet.

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VOLUME (million litres)	2022	2023	Annual per cent change	2022 1st Quarter	2022 2nd Quarter
Road transport, of which:	3,092	3,445	+11.4	646	772
Biogasoline [note 2]	1,331	1,459	+9.6	283	326
Biodiesel [note 3]	1,733	1,974	+13.9	357	437
Bio LPGs [note 4]	28	13	-55.4	6	10
Air transport, of which:	48	138	(+)	4	12
Aviation turbine fuel (bio)	48	138	(+)	4	12
Non-transport fuels, of which:	91	75	-17.8	31	21
Off-road biodiesel [note 5]	59	43	-26.7	23	13
Autogenerators demand [note 6]	32	32	-1.7	8	8
All liquid biofuels	3,231	3,658	+13.2	682	805

ENERGY (ktoe)	2022	2023	Annual per cent change	2022 1st Quarter	2022 2nd Quarter
Road transport, of which:	2,193	2,452	+11.8	457	549
Biogasoline [note 2]	750	822	+9.6	160	184
Biodiesel [note 3]	1,424	1,622	+13.9	293	359
Bio LPGs [note 4]	19	8	-55.4	4	7
Air transport, of which:	42	122	(+)	4	11
Aviation turbine fuel (bio)	42	122	(+)	4	11
Non-transport fuels, of which:	75	62	-17.8	26	17
Off-road biodiesel [note 5]	48	35	-26.7	19	10
Autogenerators demand [note 6]	27	26	-1.6	7	7
All liquid biofuels	2,310	2,636	+14.1	486	577

Shares of volume of road fuels	2022	2023	Annual percentage point change [note 7]	2022 1st Quarter	2022 2nd Quarter
Biogasoline as per cent of motor spirit	8.2%	8.5%	0.3%	7.4%	7.8%
Biodiesel as per cent of DERV	5.9%	6.7%	0.9%	5.4%	5.8%
Total biofuels as per cent of road fuels	6.7%	7.4%	0.7%	6.1%	6.5%

Consumption of liquid biofuels - annual table

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VOLUME (million litres)	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Road transport, of which:	118	264	500	1,093	1,364	1,676	1,577	1,409	1,585	1,767	1,464	1,467	1,450	1,976	2,564	2,361	2,339	3,092	3,445
Biogasoline [note 2]	85	95	153	206	320	631	652	775	819	812	795	759	753	812	822	651	934	1,331	1,459
Biodiesel [note 3]	33	169	347	886	1,044	1,045	925	634	766	955	669	708	697	1,143	1,685	1,659	1,341	1,733	1,974
Bio LPGs [note 4]	0	0	0	0	0	0	0	0	0	0	0	0	0	20	58	51	64	28	13
Air transport, of which:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	48	138
Aviation turbine fuel (bio)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	48	138
Non-transport fuels, of which:	0	0	0	0	0	0	0	0	0	0	0	0	0	43	126	148	125	91	75
Off-road biodiesel [note 5]	0	0	0	0	0	0	0	0	0	0	0	0	0	12	94	115	92	59	43
Autogenerators demand [note 6]	0	0	0	0	0	0	0	0	0	0	0	0	0	31	32	33	33	32	32
All liquid biofuels	118	264	500	1,093	1,364	1,676	1,577	1,409	1,585	1,767	1,464	1,467	1,450	2,019	2,690	2,509	2,483	3,231	3,658
ENERGY (thousand toe)	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Road transport, of which:	74	188	362	845	1,038	1,214	1,128	958	1,091	1,242	998	1,010	997	1,411	1,886	1,765	1,671	2,193	2,452
Biogasoline [note 2]	48	53	86	116	180	355	368	437	462	458	448	428	424	458	463	367	526	750	822
Biodiesel [note 3]	26	134	276	728	858	859	760	521	629	785	550	582	573	939	1,384	1,363	1,102	1,424	1,622
Bio LPGs [note 4]	0	0	0	0	0	0	0	0	0	0	0	0	0	14	39	35	43	19	8
Air transport, of which:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	42	122
Aviation turbine fuel (bio)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	42	122
Non-transport fuels, of which:	0	0	0	0	0	0	0	0	0	0	0	0	0	35	103	121	103	75	62
Off-road biodiesel [note 5]	0	0	0	0	0	0	0	0	0	0	0	0	0	10	77	94	75	48	35
Autogenerators demand [note 6]	0	0	0	0	0	0	0	0	0	0	0	0	0	25	26	27	27	27	26
All liquid biofuels	74	188	362	845	1,038	1,214	1,128	958	1,091	1,242	998	1,010	997	1,446	1,990	1,886	1,791	2,310	2,636

Consumption of liquid biofuels - quarterly table

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Empty cells within a table indicate inapplicable calculations.

VOLUME (million litres)	2005 1st quarter	2005 2nd quarter	2005 3rd quarter	2005 4th quarter	2006 1st quarter	2006 2nd quarter	2006 3rd quarter	2006 4th quarter	2007 1st quarter	2007 2nd quarter	2007 3rd quarter	2007 4th quarter	2008 1st quarter	2008 2nd quarter	2008 3rd quarter	2008 4th quarter	2009 1st quarter	2009 2nd quarter
Road transport, of which:	19	30	32	37	40	53	75	96	103	129	129	139	139	262	344	348	280	316
Biogasoline [note 2]	14	22	22	27	19	18	22	36	31	39	37	45	49	53	49	56	50	65
Biodiesel [note 3]	5	8	10	11	21	35	53	61	72	90	91	94	90	209	295	292	230	251
Bio LPGs [note 4]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Air transport, of which:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aviation turbine fuel (bio)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-transport fuels, of which:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-road biodiesel [note 5]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Autogenerators demand [note 6]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
All liquid biofuels	19	30	32	37	40	53	75	96	103	129	129	139	139	262	344	348	280	316

ENERGY (thousand toe)	2005 1st quarter	2005 2nd quarter	2005 3rd quarter	2005 4th quarter	2006 1st quarter	2006 2nd quarter	2006 3rd quarter	2006 4th quarter	2007 1st quarter	2007 2nd quarter	2007 3rd quarter	2007 4th quarter	2008 1st quarter	2008 2nd quarter	2008 3rd quarter	2008 4th quarter	2009 1st quarter	2009 2nd quarter
Road transport, of which:	12	19	20	23	27	38	54	68	75	94	94	100	101	202	270	271	217	243
Biogasoline [note 2]	8	12	12	15	11	10	12	20	18	22	21	25	27	30	27	31	28	36
Biodiesel [note 3]	4	6	8	8	17	28	42	48	57	72	73	75	74	172	242	240	189	206
Bio LPGs [note 4]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Air transport, of which:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aviation turbine fuel (bio)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-transport fuels, of which:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-road biodiesel [note 5]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Autogenerators demand [note 6]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
All liquid biofuels	12	19	20	23	27	38	54	68	75	94	94	100	101	202	270	271	217	243

VOLUME - Per cent changes from same quarter last year (%)	2005 1st quarter	2005 2nd quarter	2005 3rd quarter	2005 4th quarter	2006 1st quarter	2006 2nd quarter	2006 3rd quarter	2006 4th quarter	2007 1st quarter	2007 2nd quarter	2007 3rd quarter	2007 4th quarter	2008 1st quarter	2008 2nd quarter	2008 3rd quarter	2008 4th quarter	2009 1st quarter	2009 2nd quarter
Biogasoline					32.7%	-18.0%	0.1%	34.1%	63.7%	(+)	69.7%	26.1%	56.0%	36.2%	30.3%	23.2%	3.5%	21.7%
Biodiesel					(+)	(+)	(+)	(+)	(+)	(+)	73.6%	55.0%	25.3%	(+)	(+)	(+)	(+)	19.9%
Bio LPGs																		
Air transport bioliquids																		
Non-transport bioliquids																		
All liquid biofuels					(+)	77.9%	(+)	(+)	(+)	(+)	72.4%	44.2%	34.6%	(+)	(+)	(+)	(+)	20.3%

VOLUME - per cent of total biofuels (%)	2005 1st quarter	2005 2nd quarter	2005 3rd quarter	2005 4th quarter	2006 1st quarter	2006 2nd quarter	2006 3rd quarter	2006 4th quarter	2007 1st quarter	2007 2nd quarter	2007 3rd quarter	2007 4th quarter	2008 1st quarter	2008 2nd quarter	2008 3rd quarter	2008 4th quarter	2009 1st quarter	2009 2nd quarter
Biogasoline	75.3	74.2	69.2	71.5	47.9	34.2	29.5	37.2	30.3	30.2	29.0	32.5	35.1	20.3	14.2	16.0	18.0	20.5
Biodiesel	24.7	25.8	30.8	28.5	52.1	65.8	70.5	62.8	69.7	69.8	71.0	67.5	64.9	79.7	85.8	84.0	82.0	79.5
Bio LPGs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Air transport bioliquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Non-transport bioliquids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All liquid biofuels	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

VOLUME - overall transport fuels consumption (million litres)	2005 1st quarter	2005 2nd quarter	2005 3rd quarter	2005 4th quarter	2006 1st quarter	2006 2nd quarter	2006 3rd quarter	2006 4th quarter	2007 1st quarter	2007 2nd quarter	2007 3rd quarter	2007 4th quarter	2008 1st quarter	2008 2nd quarter	2008 3rd quarter	2008 4th quarter	2009 1st quarter	2009 2nd quarter
All motor spirit	6,131	6,653	6,573	6,337	5,979	6,345	6,278	6,122	5,785	6,199	6,077	5,958	5,662	5,814	5,595	5,638	5,265	5,696
All diesel (DERV)	5,381	5,852	5,942	6,059	5,647	6,108	6,116	6,415	5,906	6,450	6,441	6,704	6,249	6,580	6,301	6,556	5,898	6,306
All transport fuels	11,512	12,505	12,514	12,396	11,626	12,453	12,394	12,537	11,691	12,650	12,518	12,662	11,911	12,394	11,896	12,194	11,163	12,002

2009 3rd quarter	2009 4th quarter	2010 1st quarter	2010 2nd quarter	2010 3rd quarter	2010 4th quarter	2011 1st quarter	2011 2nd quarter	2011 3rd quarter	2011 4th quarter	2012 1st quarter	2012 2nd quarter	2012 3rd quarter	2012 4th quarter	2013 1st quarter
371	397	421	405	447	402	317	354	453	454	419	369	305	316	318
77	128	167	149	161	154	148	154	162	187	178	197	196	203	190
295	269	254	256	286	249	169	200	290	266	241	172	109	113	128
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371	397	421	405	447	402	317	354	453	454	419	369	305	316	318

2009 3rd quarter	2009 4th quarter	2010 1st quarter	2010 2nd quarter	2010 3rd quarter	2010 4th quarter	2011 1st quarter	2011 2nd quarter	2011 3rd quarter	2011 4th quarter	2012 1st quarter	2012 2nd quarter	2012 3rd quarter	2012 4th quarter	2013 1st quarter
285	293	303	295	326	291	222	251	330	324	299	252	200	207	212
43	72	94	84	91	87	84	87	91	106	100	111	111	115	107
242	221	209	211	235	204	139	164	239	219	198	141	89	92	105
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
285	293	303	295	326	291	222	251	330	324	299	252	200	207	212

2009 3rd quarter	2009 4th quarter	2010 1st quarter	2010 2nd quarter	2010 3rd quarter	2010 4th quarter	2011 1st quarter	2011 2nd quarter	2011 3rd quarter	2011 4th quarter	2012 1st quarter	2012 2nd quarter	2012 3rd quarter	2012 4th quarter	2013 1st quarter
57.2%	(+)	(+)	(+)	(+)	19.7%	-11.3%	3.6%	0.7%	22.0%	20.2%	27.9%	21.0%	8.5%	6.6%
-0.1%	-7.9%	10.7%	2.1%	-2.8%	-7.6%	-33.7%	-22.1%	1.4%	7.1%	43.0%	-13.9%	-62.6%	-57.8%	-46.9%

8.0%	14.2%	50.3%	28.3%	20.6%	1.2%	-24.8%	-12.7%	1.2%	12.8%	32.3%	4.3%	-32.7%	-30.4%	-24.2%
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2009 3rd quarter	2009 4th quarter	2010 1st quarter	2010 2nd quarter	2010 3rd quarter	2010 4th quarter	2011 1st quarter	2011 2nd quarter	2011 3rd quarter	2011 4th quarter	2012 1st quarter	2012 2nd quarter	2012 3rd quarter	2012 4th quarter	2013 1st quarter
20.6	32.3	39.6	36.8	36.0	38.2	46.8	43.6	35.8	41.3	42.5	53.4	64.4	64.4	59.7
79.4	67.7	60.4	63.2	64.0	61.8	53.2	56.4	64.2	58.7	57.5	46.6	35.6	35.6	40.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

2009 3rd quarter	2009 4th quarter	2010 1st quarter	2010 2nd quarter	2010 3rd quarter	2010 4th quarter	2011 1st quarter	2011 2nd quarter	2011 3rd quarter	2011 4th quarter	2012 1st quarter	2012 2nd quarter	2012 3rd quarter	2012 4th quarter	2013 1st quarter
5,610	5,459	4,892	5,362	5,244	5,152	4,722	5,011	4,925	4,890	4,593	4,822	4,697	4,681	4,271
6,507	6,378	6,046	6,456	6,610	6,660	6,121	6,490	6,579	6,736	6,236	6,600	6,612	6,900	6,227
12,116	11,837	10,939	11,818	11,854	11,812	10,844	11,501	11,504	11,626	10,828	11,422	11,309	11,581	10,498

2013 2nd quarter	2013 3rd quarter	2013 4th quarter	2014 1st quarter	2014 2nd quarter	2014 3rd quarter	2014 4th quarter	2015 1st quarter	2015 2nd quarter	2015 3rd quarter	2015 4th quarter	2016 1st quarter	2016 2nd quarter	2016 3rd quarter	2016 4th quarter	2017 1st quarter	2017 2nd quarter	2017 3rd quarter	2017 4th quarter	2018 1st quarter	2018 2nd quarter	2018 3rd quarter
394	445	428	387	464	485	431	314	355	382	413	327	413	385	342	317	404	357	372	411	504	609
203	224	202	192	206	212	202	189	202	205	198	184	194	189	192	184	193	182	194	194	204	206
191	221	226	195	258	273	229	125	152	177	215	143	219	196	150	133	211	175	178	217	299	398
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	8

394	445	428	387	464	485	431	314	355	382	413	327	413	385	342	317	404	357	372	419	512	622
2013 2nd quarter	2013 3rd quarter	2013 4th quarter	2014 1st quarter	2014 2nd quarter	2014 3rd quarter	2014 4th quarter	2015 1st quarter	2015 2nd quarter	2015 3rd quarter	2015 4th quarter	2016 1st quarter	2016 2nd quarter	2016 3rd quarter	2016 4th quarter	2017 1st quarter	2017 2nd quarter	2017 3rd quarter	2017 4th quarter	2018 1st quarter	2018 2nd quarter	2018 3rd quarter
271	308	300	268	328	344	302	209	239	261	288	221	289	268	231	213	282	246	256	288	361	447
114	126	114	108	116	120	114	107	114	116	112	104	109	107	108	104	109	103	109	110	115	116
157	182	186	160	212	224	188	103	125	145	177	117	180	161	123	109	173	144	146	178	245	327
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	10
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6

2013 2nd quarter	2013 3rd quarter	2013 4th quarter	2014 1st quarter	2014 2nd quarter	2014 3rd quarter	2014 4th quarter	2015 1st quarter	2015 2nd quarter	2015 3rd quarter	2015 4th quarter	2016 1st quarter	2016 2nd quarter	2016 3rd quarter	2016 4th quarter	2017 1st quarter	2017 2nd quarter	2017 3rd quarter	2017 4th quarter	2018 1st quarter	2018 2nd quarter	2018 3rd quarter
2.9%	14.1%	-0.6%	1.1%	1.5%	-5.4%	-	-1.6%	-1.5%	-3.3%	-2.0%	-2.6%	-4.4%	-7.8%	-3.0%	-	-0.5%	-3.7%	1.0%	5.6%	5.6%	13.2%
11.2%	(+)	(+)	52.3%	35.1%	23.5%	1.3%	-35.9%	-41.1%	-35.2%	-6.1%	14.4%	44.1%	10.7%	-30.2%	-7.0%	-3.7%	-10.7%	18.7%	63.1%	41.6%	(+)

6.8%	46.0%	35.5%	21.7%	17.8%	9.0%	0.7%	-18.9%	-23.5%	-21.2%	-4.2%	4.1%	16.3%	0.8%	-17.2%	-3.1%	-2.2%	-7.3%	8.8%	32.2%	26.7%	74.1%
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2013 2nd quarter	2013 3rd quarter	2013 4th quarter	2014 1st quarter	2014 2nd quarter	2014 3rd quarter	2014 4th quarter	2015 1st quarter	2015 2nd quarter	2015 3rd quarter	2015 4th quarter	2016 1st quarter	2016 2nd quarter	2016 3rd quarter	2016 4th quarter	2017 1st quarter	2017 2nd quarter	2017 3rd quarter	2017 4th quarter	2018 1st quarter	2018 2nd quarter	2018 3rd quarter
51.5	50.3	47.2	49.6	44.4	43.7	46.9	60.2	57.2	53.7	47.9	56.3	47.0	49.1	56.1	58.0	47.8	51.0	52.2	46.3	39.8	33.1
48.5	49.7	52.8	50.4	55.6	56.3	53.1	39.8	42.8	46.3	52.1	43.7	53.0	50.9	43.9	42.0	52.2	49.0	47.8	51.8	58.3	64.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.6	2.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

2013 2nd quarter	2013 3rd quarter	2013 4th quarter	2014 1st quarter	2014 2nd quarter	2014 3rd quarter	2014 4th quarter	2015 1st quarter	2015 2nd quarter	2015 3rd quarter	2015 4th quarter	2016 1st quarter	2016 2nd quarter	2016 3rd quarter	2016 4th quarter	2017 1st quarter	2017 2nd quarter	2017 3rd quarter	2017 4th quarter	2018 1st quarter	2018 2nd quarter	2018 3rd quarter
4,674	4,571	4,504	4,259	4,532	4,457	4,424	4,146	4,409	4,408	4,356	4,119	4,395	4,309	4,277	4,033	4,312	4,242	4,185	3,866	4,306	4,214
6,880	6,816	7,046	6,561	7,021	7,070	7,333	6,775	7,305	7,306	7,499	7,167	7,581	7,551	7,801	7,175	7,700	7,649	7,886	7,172	7,791	7,758
11,555	11,387	11,550	10,820	11,554	11,526	11,757	10,921	11,714	11,713	11,855	11,285	11,977	11,861	12,077	11,207	12,012	11,891	12,071	11,038	12,098	11,972

2018 4th quarter	2019 1st quarter	2019 2nd quarter	2019 3rd quarter	2019 4th quarter	2020 1st quarter	2020 2nd quarter	2020 3rd quarter	2020 4th quarter	2021 1st quarter	2021 2nd quarter	2021 3rd quarter	2021 4th quarter	2022 1st quarter	2022 2nd quarter	2022 3rd quarter	2022 4th quarter	2023 1st Quarter	2023 2nd Quarter	2023 3rd Quarter	2023 4th Quarter	2024 1st Quarter [note 8]
452	498	661	715	691	673	476	628	585	506	558	613	661	646	772	817	857	872	863	898	812	682
208	194	206	209	214	204	117	157	172	149	204	254	327	283	326	352	370	353	358	376	371	289
230	293	436	490	466	460	351	457	392	347	338	341	314	357	437	459	481	517	503	519	435	390
14	11	19	17	11	9	7	14	21	10	16	18	20	6	10	6	6	2	2	3	6	3
0	0	0	0	0	0	0	0	0	0	1	2	15	4	12	15	15	16	15	46	61	35
0	0	0	0	0	0	0	0	0	0	1	2	15	4	12	15	15	16	15	46	61	35
14	21	30	40	34	36	34	40	38	37	32	30	25	31	21	21	18	21	21	19	14	19
6	13	23	32	26	28	26	32	30	29	24	22	17	23	13	13	10	13	13	11	6	11
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
466	519	691	755	725	709	509	668	623	544	592	646	702	682	805	854	890	908	899	964	887	735

2018 4th quarter	2019 1st quarter	2019 2nd quarter	2019 3rd quarter	2019 4th quarter	2020 1st quarter	2020 2nd quarter	2020 3rd quarter	2020 4th quarter	2021 1st quarter	2021 2nd quarter	2021 3rd quarter	2021 4th quarter	2022 1st quarter	2022 2nd quarter	2022 3rd quarter	2022 4th quarter	2023 1st Quarter	2023 2nd Quarter	2023 3rd Quarter	2023 4th Quarter	2024 1st Quarter [note 8]
316	357	487	531	511	499	359	473	433	376	404	436	456	457	549	579	608	625	616	641	570	485
117	109	116	118	121	115	66	89	97	84	115	143	184	160	184	198	209	199	202	212	209	163
189	240	359	402	383	378	288	376	322	285	278	281	258	293	359	377	395	425	413	427	357	320
9	8	13	11	7	6	5	9	14	7	11	12	14	4	7	4	4	1	1	2	4	2
0	0	0	0	0	0	0	0	0	0	1	2	13	4	11	14	13	14	13	40	54	30
0	0	0	0	0	0	0	0	0	0	1	2	13	4	11	14	13	14	13	40	54	30
11	17	25	33	28	29	28	33	31	31	26	25	21	26	17	18	15	17	17	16	12	37
5	11	19	26	22	23	21	26	25	24	20	18	14	19	10	11	8	10	11	9	5	30
6	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
327	375	512	564	539	528	387	506	464	407	431	463	490	486	577	611	636	656	647	697	635	553

2018 4th quarter	2019 1st quarter	2019 2nd quarter	2019 3rd quarter	2019 4th quarter	2020 1st quarter	2020 2nd quarter	2020 3rd quarter	2020 4th quarter	2021 1st quarter	2021 2nd quarter	2021 3rd quarter	2021 4th quarter	2022 1st quarter	2022 2nd quarter	2022 3rd quarter	2022 4th quarter	2023 1st Quarter	2023 2nd Quarter	2023 3rd Quarter	2023 4th Quarter	2024 1st Quarter [note 8]
7.4%	-0.3%	1.0%	1.3%	2.6%	5.6%	-42.9%	-24.7%	-19.6%	-27.3%	73.9%	61.5%	90.3%	90.5%	59.5%	38.6%	13.1%	24.6%	10.0%	6.9%	0.4%	-18.1%
29.1%	34.9%	46.1%	23.1%	(+)	57.2%	-19.7%	-6.6%	-16.0%	-24.5%	-3.6%	-25.3%	-19.8%	2.7%	29.1%	34.4%	53.2%	44.9%	15.2%	13.1%	-9.6%	-24.6%
		(+)	(+)	-24.3%	-22.2%	-60.6%	-19.9%	(+)	16.0%	(+)	31.4%	-5.1%	-40.6%	-38.0%	-66.3%	-69.0%	-66.9%	-81.2%	-49.2%	-9.8%	56.7%
														(+)	(+)	3.2%	(+)	22.8%	(+)	(+)	(+)
	(+)	(+)	(+)	(+)	68.3%	12.2%	0.8%	10.5%	4.6%	-5.5%	-23.9%	-33.7%	-16.6%	-35.5%	-29.4%	-29.0%	-34.0%	2.0%	-9.8%	-21.8%	-8.8%
25.3%	23.8%	35.1%	21.4%	55.5%	36.6%	-26.3%	-11.5%	-14.1%	-23.3%	16.1%	-3.3%	12.6%	25.4%	36.1%	32.1%	26.9%	33.2%	11.7%	12.9%	-0.4%	-19.1%

2018 4th quarter	2019 1st quarter	2019 2nd quarter	2019 3rd quarter	2019 4th quarter	2020 1st quarter	2020 2nd quarter	2020 3rd quarter	2020 4th quarter	2021 1st quarter	2021 2nd quarter	2021 3rd quarter	2021 4th quarter	2022 1st quarter	2022 2nd quarter	2022 3rd quarter	2022 4th quarter	2023 1st quarter	2023 2nd quarter	2023 3rd quarter	2023 4th quarter	2024 1st Quarter
44.7	37.3	29.8	27.6	29.5	28.8	23.1	23.5	27.6	27.3	34.5	39.3	46.6	41.5	40.5	41.2	41.5	38.8	39.8	39.0	41.9	39.3
49.3	56.4	63.1	64.9	64.3	64.9	68.8	68.5	62.9	63.9	57.1	52.9	44.7	52.3	54.2	53.8	54.0	56.9	55.9	53.9	49.0	53.0
3.0	2.2	2.7	2.2	1.5	1.2	1.5	2.0	3.4	1.9	2.7	2.8	2.9	0.9	1.2	0.7	0.7	0.2	0.2	0.3	0.6	0.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	2.1	0.7	1.5	1.8	1.7	1.8	1.7	4.8	6.9	4.7
3.0	4.1	4.4	5.2	4.8	5.0	6.7	6.0	6.1	6.9	5.4	4.7	3.6	4.6	2.6	2.5	2.0	2.3	2.3	2.0	1.6	2.6
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

2018 4th quarter	2019 1st quarter	2019 2nd quarter	2019 3rd quarter	2019 4th quarter	2020 1st quarter	2020 2nd quarter	2020 3rd quarter	2020 4th quarter	2021 1st quarter	2021 2nd quarter	2021 3rd quarter	2021 4th quarter	2022 1st quarter	2022 2nd quarter	2022 3rd quarter	2022 4th quarter	2023 1st quarter	2023 2nd quarter	2023 3rd quarter	2023 4th quarter	2024 4th quarter
4,211	4,037	4,263	4,235	4,316	4,042	2,121	3,510	3,424	2,616	3,799	4,129	4,139	3,821	4,169	4,109	4,201	4,100	4,270	4,413	4,351	4,246
7,785	7,130	7,637	7,582	7,685	7,178	4,558	6,513	6,780	5,768	6,949	7,146	7,290	6,634	7,584	7,555	7,779	7,157	7,435	7,390	7,364	6,919
11,995	11,168	11,900	11,817	12,001	11,220	6,678	10,023	10,205	8,384	10,749	11,275	11,429	10,455	11,753	11,664	11,980	11,257	11,705	11,803	11,715	11,165