

No attempt has been made to rank the information contained in this report in order of importance, since BPA Worldwide believes this is a judgment which must be made by the user of the report.

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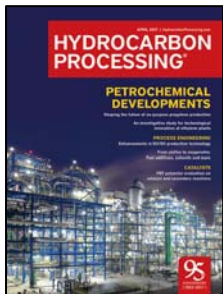
Since 1922, **HYDROCARBON PROCESSING** has been committed to providing clear and concise technical content and information for the global refining, petrochemical, gas processing and LNG industries. Hydrocarbon Processing recipients comprise a global network of professionals engaged in designing, engineering, constructing, managing, operating and maintaining HPI plants. Each monthly issue of Hydrocarbon Processing provides in-depth technical articles, industry trends, news and data.

BRAND REPORT PURPOSE

The Brand Report provides a deeper understanding and identification of all audited touch points with customers that have interest in the brand. It is designed to present analysis of all communication channels, including a brand's unique users within each channel of, but not across, multiple media platforms. This non-integrated report contains data for each separate media channel as indicated in the Executive Summary. No attempt has been made to identify or eliminate duplication that may exist across media channels.

CHANNELS

HYDROCARBON PROCESSING MAGAZINE



6 Issues in the period
30,217 average circulation

HYDROCARBON PROCESSING E-NEWSLETTER



130 issued in the period
45,211 average per occurrence

HYDROCARBON PROCESSING WEBSITE



70,742 average users

HYDROCARBON PROCESSING SOCIAL MEDIA



5,079 Twitter followers
27,571 Facebook likes

EXECUTIVE SUMMARY

Below are the Average contacts per occurrence, including frequency per period reported

	Non-Paid	Paid	Average
HYDROCARBON PROCESSING MAGAZINE (6 issues in the period)	29,081	1,136	30,217
a. Print	16,166	956	17,122
b. Digital	12,915	180	13,095
1. Requested	12,915	180	13,095
2. Non-Requested	-	-	-
HYDROCARBON PROCESSING E-NEWSLETTER			
a. HP News Brief (130 issued in the period)	45,211	-	45,211
HYDROCARBON PROCESSING WEBSITE (Monthly Users with 199,128 average Pageviews)	70,742	-	70,742
HYDROCARBON PROCESSING SOCIAL MEDIA			
a. Twitter followers	*5,079	-	*5,079
b. Facebook likes	*27,571	-	*27,571

*Social Media claims are cumulative figures, not averages.

FIELD SERVED

HYDROCARBON PROCESSING serves companies in refining, engineering/construction, consultants, petrochemical, chemical and natural gas processing. Also served are others allied to the field as shown in paragraph 3a.

DEFINITION OF RECIPIENT QUALIFICATION

Qualified recipients are company officials, managers, engineers, consultants, superintendents, foremen, chemists, purchasing agents, operators and other titled and non-titled personnel, including company copies.

AVERAGE NON-QUALIFIED CIRCULATION

NON-QUALIFIED Not Included Elsewhere	Copies
Other Paid Circulation	4
Advertiser and Agency	2,226
Allocated for Trade Shows and Conventions	838
All Other	1,310
TOTAL	4,378

1. AVERAGE QUALIFIED CIRCULATION BREAKOUT FOR THE PERIOD

QUALIFIED CIRCULATION	Total Qualified		Qualified Non-Paid		Qualified Paid	
	Copies	Percent	Copies	Percent	Copies	Percent
Individual	30,145	99.8	29,081	96.2	1,064	3.6
Sponsored Individually Addressed	-	-	-	-	-	-
Membership Benefit	-	-	-	-	-	-
*Multi-Copy Same Addressee	72	0.2	-	-	72	0.2
Single Copy Sales	-	-	-	-	-	-
TOTAL QUALIFIED CIRCULATION	30,217	100.0	29,081	96.2	1,136	3.8

*See Additional Data

2. QUALIFIED CIRCULATION BY ISSUES FOR PERIOD

2017 Issue	Print	Digital	Total Qualified
January	17,521	12,713	30,234
*February	17,474	12,791	30,265
March	17,306	12,901	30,207
*April	16,451	13,801	30,252
May	16,865	13,287	30,152
*June	17,121	13,075	30,196

*See Additional Data

3a. BUSINESS/OCCUPATION BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF MAY 2017
This issue is 0.3% or 79 copies below the average of the other 5 issues reported in Paragraph 2.

BUSINESS AND INDUSTRY	TOTAL QUALIFIED	PERCENT OF TOTAL	Print	Digital	CLASSIFICATION BY JOB FUNCTION					
					Company Officials, Managers	Engineers & Consultants	Super- intendents & Foremen or Operators	Chemists	Purchasing Agents	Other Titled and Non-Titled Personnel, including Company Copies
Refining, Engineering/Construction, Consultants	19,430	64.5	10,596	8,834	6,053	11,796	701	244	114	522
Petrochemicals, Chemicals	6,493	21.5	3,685	2,808	2,472	3,143	309	281	68	220
Natural Gas Processing	3,720	12.3	2,141	1,579	1,259	1,984	320	40	27	90
SUB TOTAL	29,643	98.3	16,422	13,221	9,784	16,923	1,330	565	209	832
Service, Supply and Equipment Manufacturing Companies	151	0.5	132	19						
Association, Libraries, Government Agencies, Education, Legal and Miscellaneous	341	1.1	295	46						
SUB TOTAL	492	1.6	427	65						
Other Paid	17	0.1	16	1						
TOTAL QUALIFIED CIRCULATION	30,152	100.0	16,865	13,287						

3b. QUALIFICATION SOURCE BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF MAY 2017

QUALIFICATION SOURCE	Qualified Within					Total Qualified	Percent
	1 Year	2 Years	3+ Years*	Print	Digital		
I. Direct Request:	23,459	5,757	87	16,130	13,173	29,303	97.2
II. Request from recipient's company:	783	64	2	735	114	849	2.8
III. Membership Benefit:	-	-	-	-	-	-	-
IV. Communication from recipient or recipient's company (other than request):	-	-	-	-	-	-	-
V. Sources other than above, including: Association rosters and directories; Business directories; Manufacturer's, distributor's and wholesaler's lists; and Other sources:	-	-	-	-	-	-	-
VI. Single Copy Sales:	-	-	-	-	-	-	-
TOTAL QUALIFIED CIRCULATION	24,242	5,821	89	16,865	13,287	30,152	100.0
PERCENT	80.4	19.3	0.3	55.9	44.1	100.0	

*See Additional Data

3c. MAILING ADDRESS BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF MAY 2017

MAILING ADDRESS	Total Qualified	Percent
Individuals by name and title and/or function	29,315	97.2
Individuals by name only	344	1.1
Titles or functions only	80	0.3
Company names only	317	1.1
Multi-Copy Same Addressee copies	96	0.3
Single Copy Sales	-	-
TOTAL QUALIFIED CIRCULATION	30,152	100.0

GEOGRAPHICAL BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF MAY 2017*

State	Print	Digital	Total Qualified	Percent	State	Print	Digital	Total Qualified	Percent
Maine	9	6	15		Kentucky	104	39	143	
New Hampshire	11	7	18		Tennessee	101	40	141	
Vermont	5	2	7		Alabama	149	44	193	
Massachusetts	117	53	170		Mississippi	55	25	80	
Rhode Island	7	2	9		EAST SO. CENTRAL	409	148	557	1.9
Connecticut	65	17	82		Arkansas	22	19	41	
NEW ENGLAND	214	87	301	1.0	Louisiana	338	146	484	
New York	228	103	331		Oklahoma	243	92	335	
New Jersey	314	113	427		Texas	2,613	1,594	4,207	
Pennsylvania	360	148	508		WEST SO. CENTRAL	3,216	1,851	5,067	16.8
MIDDLE ATLANTIC	902	364	1,266	4.2	Montana	42	18	60	
Ohio	268	101	369		Idaho	14	10	24	
Indiana	104	40	144		Wyoming	44	16	60	
Illinois	335	192	527		Colorado	190	90	280	
Michigan	128	48	176		New Mexico	43	18	61	
Wisconsin	93	25	118		Arizona	51	23	74	
EAST NO. CENTRAL	928	406	1,334	4.4	Utah	50	26	76	
Minnesota	88	37	125		Nevada	20	11	31	
Iowa	68	21	89		MOUNTAIN	454	212	666	2.2
Missouri	123	39	162		Alaska	31	19	50	
North Dakota	41	15	56		Washington	101	56	157	
South Dakota	23	2	25		Oregon	51	15	66	
Nebraska	33	11	44		California	588	316	904	
Kansas	110	53	163		Hawaii	18	9	27	
WEST NO. CENTRAL	486	178	664	2.2	PACIFIC	789	415	1,204	4.0
Delaware	29	23	52		UNITED STATES	8,193	4,006	12,199	40.5
Maryland	72	42	114		U.S. Territories	6	1	7	
Washington, DC	9	8	17		Canada	842	573	1,415	
Virginia	96	37	133		Mexico	151	273	424	
West Virginia	56	22	78		Other International	7,673	8,434	16,107	
North Carolina	141	36	177		APO/FPO	-	-	-	
South Carolina	80	35	115						
Georgia	100	44	144						
Florida	212	98	310						
SOUTH ATLANTIC	795	345	1,140	3.8					
					TOTAL QUALIFIED CIRCULATION	16,865	13,287	30,152	100.0

*See Additional Data

GEOGRAPHICAL BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF MAY 2017*

Region/Country	Print	Digital	Total Qualified	Percent	Region/Country	Print	Digital	Total Qualified	Percent
ASIA					AFRICA				
Azerbaijan	7	7	14		Algeria	76	37	113	
Bangladesh	22	12	34		Angola	1	9	10	
Brunei Darussalam	4	8	12		Cameroon	5	1	6	
China	104	103	207		Congo	1	1	2	
East Timor (Timor-Leste)	1	-	1		Cote D'Ivoire	-	4	4	
Hong Kong - SAR	3	1	4		Egypt	123	105	228	
India	1,169	1,374	2,543		Equatorial Guinea	-	1	1	
Indonesia	109	124	233		Eritrea	1	-	1	
Japan	69	62	131		Ethiopia	2	3	5	
Kazakhstan	6	14	20		Gabon	1	1	2	
Korea, Republic Of	82	124	206		Ghana	13	12	25	
Macao	1	-	1		Kenya	9	4	13	
Malaysia	144	177	321		Libyan Arab Jamahiriya	6	9	15	
Myanmar	1	-	1		Mauritius	2	1	3	
Pakistan	174	96	270		Morocco	8	3	11	
Philippines	71	55	126		Mozambique	1	-	1	
Singapore	182	158	340		Namibia	-	2	2	
Sri Lanka	11	2	13		Niger	1	1	2	
Taiwan	46	35	81		Nigeria	265	231	496	
Thailand	87	120	207		Senegal	-	1	1	
Turkmenistan	-	3	3		South Africa	37	101	138	
Uzbekistan	-	1	1		Sudan	10	9	19	
Vietnam	13	31	44		Swaziland	3	1	4	
Subtotal	2,306	2,507	4,813	16.0	Tanzania	2	-	2	
MIDDLE EAST					NORTH AMERICA				
Bahrain	41	29	70		Canada	842	573	1,415	
Iran	103	126	229		Mexico	151	273	424	
Iraq	15	32	47		United States	8,199	4,007	12,206	
Israel	44	42	86		Subtotal	9,192	4,853	14,045	46.6
Jordan	16	12	28		CARIBBEAN				
Kuwait	87	141	228		Aruba	2	-	2	
Lebanon	6	7	13		Bahamas	-	1	1	
Oman	63	101	164		Cayman Islands	1	1	2	
Qatar	194	203	397		Cuba	3	3	6	
Saudi Arabia	259	313	572		Dominican Republic	-	2	2	
Syrian Arab Republic	5	8	13		Jamaica	2	-	2	
United Arab Emirates	427	513	940		Martinique	2	-	2	
Yemen	5	8	13		Netherlands Antilles	4	7	11	
Subtotal	1,265	1,535	2,800	9.3	Trinidad and Tobago	43	61	104	
EUROPE					CENTRAL AMERICA				
Albania	-	1	1		Belize	-	1	1	
Austria	27	20	47		Costa Rica	3	-	3	
Belarus	4	4	8		El Salvador	1	-	1	
Belgium	73	56	129		Guatemala	1	1	2	
Bosnia and Herzegovina	2	1	3		Nicaragua	-	2	2	
Bulgaria	12	4	16		Panama	-	2	2	
Croatia	52	44	96		Subtotal	5	6	11	-
Cyprus	7	6	13		SOUTH AMERICA				
Czech Republic	31	27	58		Argentina	110	175	285	
Denmark	30	37	67		Bolivia	17	36	53	
Estonia	2	3	5		Brazil	124	190	314	
Finland	28	31	59		Chile	33	53	86	
France	174	118	292		Colombia	97	167	264	
Germany	188	144	332		Ecuador	15	29	44	
Greece	79	79	158		Guyana	1	-	1	
Hungary	34	30	64		Peru	62	116	178	
Ireland	17	14	31		Suriname	1	6	7	
Italy	288	279	567		Uruguay	7	7	14	
Latvia	1	3	4		Venezuela	51	226	277	
Lithuania	1	2	3		Subtotal	518	1,005	1,523	5.0
Luxembourg	6	-	6		ASIA PACIFIC				
Macedonia	1	-	1		Australia	153	190	343	
Malta	1	-	1		New Zealand	17	15	32	
Moldova	1	1	2		Papua New Guinea	1	3	4	
Monaco	1	4	5		Subtotal	171	208	379	1.3
Netherlands	240	251	491		TOTAL QUALIFIED CIRCULATION				
Norway	32	55	87		16,865	13,287	30,152	100.0	
Poland	91	52	143						
Portugal	104	75	179						
Romania	108	109	217						
Russian Federation	36	72	108						
Serbia	38	27	65						
Slovakia	18	7	25						
Slovenia	7	5	12						
Spain	294	350	644						
Sweden	37	21	58						
Switzerland	20	20	40						
Turkey	91	106	197						
Ukraine	8	14	22						
United Kingdom	571	479	1,050						
Subtotal	2,755	2,551	5,306	17.6					

*See Additional Data

2017		HP News Brief	2017		HP News Brief
JANUARY			APRIL		
January 2		45,372	April 3		45,252
January 3		45,376	April 4		45,244
January 4		45,373	April 5		45,254
January 5		45,358	April 6		45,259
January 6		45,311	April 7		45,251
January 9		45,316	April 10		45,255
January 10		45,305	April 11		45,258
January 11		45,289	April 12		45,273
January 12		45,286	April 13		45,324
January 13		45,278	April 14		45,279
January 16		45,271	April 17		45,276
January 17		45,257	April 18		45,281
January 18		45,245	April 19		45,281
January 19		45,228	April 20		45,294
January 20		45,241	April 21		45,298
January 23		45,226	April 24		45,289
January 24		45,204	April 25		45,279
January 25		45,197	April 26		45,264
January 26		45,198	April 27		45,233
January 27		45,175	April 28		45,247
January 30		45,164	MAY		
January 31		45,142	May 1		45,242
FEBRUARY			May 2		45,244
February 1		45,158	May 3		45,232
February 2		45,156	May 4		45,237
February 3		45,095	May 5		45,244
February 6		45,102	May 8		45,222
February 7		45,101	May 9		45,203
February 8		45,102	May 10		45,218
February 9		45,097	May 11		45,228
February 10		45,094	May 12		45,227
February 13		45,097	May 15		45,228
February 14		45,080	May 16		45,221
February 15		45,067	May 17		45,211
February 16		45,055	May 18		45,210
February 17		45,040	May 19		45,211
February 20		45,041	May 22		45,202
February 21		45,056	May 23		45,197
February 22		45,134	May 24		45,197
February 23		45,153	May 25		45,224
February 24		45,154	May 26		45,273
February 27		45,159	May 29		45,294
February 28		45,165	May 30		45,291
MARCH			May 31		45,292
March 1		45,160	JUNE		
March 2		45,156	June 1		45,261
March 3		45,087	June 2		45,255
March 6		45,052	June 5		45,251
March 7		45,145	June 6		45,261
March 8		45,113	June 7		45,259
March 9		45,168	June 8		45,261
March 10		45,172	June 9		45,259
March 13		45,193	June 12		45,231
March 14		45,203	June 13		45,204
March 15		45,182	June 14		45,212
March 16		45,195	June 15		45,198
March 17		45,201	June 16		45,143
March 20		45,208	June 19		45,135
March 21		45,329	June 20		45,122
March 22		45,342	June 21		45,097
March 23		45,341	June 22		45,129
March 24		45,291	June 23		45,137
March 27		45,198	June 26		45,129
March 28		45,213	June 27		45,134
March 29		45,242	June 28		45,126
March 30		45,259	June 29		45,118
March 31		45,260	June 30		45,105
			AVERAGE:		45,211

HP News Brief (130 issued in the period)

WEBSITE CHANNEL

WWW.HYDROCARBONPROCESSING.COM

2017	PAGEVIEWS	SESSIONS	USERS	AVERAGE SESSION DURATION
January	207,899	115,077	70,706	1:56
February	200,200	113,089	73,784	1:48
March	213,750	119,896	74,777	1:52
April	177,857	99,596	61,344	1:56
May	206,013	119,738	75,623	1:58
June	189,052	108,897	68,222	2:16
AVERAGE:	199,128	112,715	70,742	1:57

January – June 2017 data was provided by Google Analytics. All website activity is audited by BPA Worldwide.

WEBSITE GLOSSARY

Pageviews: A Pageview is recorded each time a page implanted with the JavaScript code (tag) is displayed in a browser window. This will occur whether the page is served directly from the web server, from a proxy, or from the browser's cache.

Sessions: A single continuous set of activity attributable to a cookie browser resulting in one or more pulled text and/or graphics downloads from a site. A period of 30 minutes of inactivity will terminate the session.

Users: An identified and unduplicated Cookie Browser that accesses Internet content or advertising during a measurement period.

Average Session Duration: The time visitors remain on a site per session.

For info on how to obtain online ad campaign performance metrics across multiple sites, visit www.adicompli.com

SOCIAL MEDIA CHANNEL

Hydrocarbon Processing Social Media



Twitter followers
<http://twitter.com/HydrocarbonProc>



Facebook likes
<http://facebook.com/HydrocarbonProc>

2017

Beginning Balance	4,754	25,083
January	4,794	25,435
February	4,848	25,995
March	4,912	26,586
April	4,979	26,957
May	5,036	27,373
June	5,079	27,571

ADDITIONAL DATA

METHOD OF DISTRIBUTION:

All qualified circulation conforms to the field served and definition of recipients' qualification, as reported. Copies are distributed via the US Postal Service under Periodicals class permit for the print version. Recipients of the digital version are notified by email when the Version is delivered.

STATEMENT OF CONTENT PLATFORM:

Editorial Replica – If a print edition exists, editorial and design are unchanged from the original print edition. Each issue's content and design are identical to the original edition. Apart from minor updates, the content cannot change once the issue is made available.

MAGAZINE:

PARAGRAPH 1:

Qualified Paid Multi-Copy Same Addressee subscriptions averaging 72 copies were sold to qualified recipients at reduced prices in quantities of 2 to 49.

PARAGRAPH 2:

Gas Processing: Technology and Business Information for the Global Gas Processing Industry supplement was mailed to selected subscribers in February, April, and June.

PARAGRAPH 3b:

Paragraph 3b includes 17 subscriptions older than three years.

AVERAGE ANNUAL ORDER PRICE: \$399.60

GEOGRAPHIC DISTRIBUTION:

Geographic data for E-Newsletter, Website, and Social Media are not reported at the media owner's option.

PUBLISHER'S AFFIDAVIT

We hereby make oath and say that all data set forth in this statement are true.

John T. Royall, President & Chief Executive Officer

Catherine Watkins, Publisher

(At least one of the above signatures must be that of an officer of the publishing company or its authorized representative.)

IMPORTANT NOTE:

This unaudited brand report has been checked against the previous audit report. It will be included in the annual audit made by BPA Worldwide.

Date signed July 12, 2017

State Texas

County Harris

Received by BPA Worldwide July 12, 2017

Type BJ

ID Number H183B0J7

About BPA Worldwide:

A not-for-profit organization since 1931, BPA Worldwide is governed by a tripartite board comprised of media owners, advertising agencies and advertisers. Headquartered in Shelton, Connecticut, USA, BPA has the largest membership of any media-auditing organization in the world, spanning more than 30 countries. Globally, BPA audits media properties including consumer magazines, newspapers, web sites, events, email newsletters, databases, wireless, social media and other advertiser-supported media—as well as advertiser and agency members. Visit www.bpaww.com for the latest audit reports, membership information and publishing and advertising industry news.