HYDROCARBON PROCESSING

BRAND REPORT

FOR THE 6 MONTH PERIOD ENDED DECEMBER 2017



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.

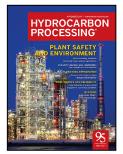
Gulf Publishing Company 2 Greenway Plaza Suite 1020 Houston, Texas 77046 Tel. No.: (713) 529-4301 Fax No.: (713) 520-4433 www.HydrocarbonProcessing.com Since 1922, HYDROCARBON PROCESSING has been committed to providing clear and concise technical content and information for the global refining, petrochemical, 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 30,160 average circulation

HYDROCARBON PROCESSING E-NEWSLETTER



129 issued in the period 46,607 average per occurrence

HYDROCARBON PROCESSING WEBSITE



73,872 average users

HYDROCARBON PROCESSING SOCIAL MEDIA



5,440 Twitter followers 29,809 Facebook likes

EXECUTIVE SUMMARY

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

29,142	1.010	
	1,018	30,160
16,742	837	17,579
12,400	181	12,581
12,400	181	12,581
-	-	-
46,607	-	46,607
73,872	-	73,872
*5,440	-	*5,440
*29,809	-	*29,809
	12,400 12,400 - 46,607 73,872 *5,440	12,400 181 12,400 181

^{*}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, other operations personnel, and company copies.

AVERAGE NON-QUALIFIED CIRCULATION

NON-QUALIFIED Not Included Elsewhere	Copies
Other Paid Circulation	3
Advertiser and Agency	2,187
Allocated for Trade Shows and Conventions	379
All Other	1,099
TOTAL	3,668

1. AVERAGE QUALIFIED CIRCULATION BREAKOUT FOR THE PERIOD

	Total Qualified		al Qualified Qualified Non-Paid			ed Paid
QUALIFIED CIRCULATION	Copies	Percent	Copies	Percent	Copies	Percent
Individual	30,069	99.7	29,142	96.6	927	3.1
Sponsored Individually Addressed	-	-	-	-	-	-
Membership Benefit	-	-	-	-	-	-
*Multi-Copy Same Addressee	91	0.3	-	-	91	0.3
Single Copy Sales	-	-	-	-	-	-
TOTAL QUALIFIED CIRCULATION *See Additional Data	30,160	100.0	29,142	96.6	1,018	3.4

2. QUALIFIED CIRCULATION BY ISSUES FOR PERIOD

2017 Issue	Print	Digital	Total Qualified
July	17,707	12,499	30,206
*August	17,679	12,527	30,206
*September	17,587	12,559	30,146
*October	17,459	12,668	30,127
November	17,512	12,652	30,164
*December	17,525	12,581	30,106

3a. BUSINESS/OCCUPATION BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF NOVEMBER 2017

This issue is -% or 6 copies above the average of the other 5 issues reported in Paragraph 2.

							CLASSIFICA	TION BY JOE	B FUNCTION		
BUSINESS AND INDUSTRY	TOTAL QUALIFIED	PERCENT OF TOTAL	Print	Digital	Company Officials, Managers	Engineers & Consultants		Chemists	Purchasing Agents	Other Operations Personnel	Company Copies
Refining, Engineering/Construction, Consultants	19,306	64.0	10,888	8,418	5,927	11,809	684	243	110	469	64
Petrochemicals, Chemicals	6,629	22.0	3,907	2,722	2,528	3,186	303	289	76	217	30
Natural Gas Processing	3,761	12.4	2,301	1,460	1,305	1,981	314	38	29	91	3
SUB TOTAL	29,696	98.4	17,096	12,600	9,760	16,976	1,301	570	215	777	97
Service, Supply and Equipment Manufacturing Companies	106	0.4	98	8							
Association, Libraries, Government Agencies, Education, Legal and Miscellaneous	341	1.1	303	38							
SUB TOTAL	447	1.5	401	46							
Other Paid	21	0.1	15	6	_						
TOTAL QUALIFIED CIRCULATION	30,164	100.0	17,512	12,652	<u>-</u>						

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

	(Qualified With	in				
QUALIFICATION SOURCE	1 Year	2 Years	3+ Years*	Print	Digital	Total Qualified	Percent
I. Direct Request:	23,573	5,659	88	17,023	12,297	29,320	97.2
II. Request from recipient's company:	678	163	3	489	355	844	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	24,251	5,822	91	17,512	12,652	30,164	100.0
PERCENT	80.4	19.3	0.3	58.1	41.9	100.0	
*See Additional Data							

Qualified	Percent
29,382	97.4
326	1.1
69	0.2
295	1.0
92	0.3
-	-
30,164	100.0
	29,382 326 69 295 92

<u>.</u>			Total		0	5	51.01.1	Total	
State	Print	Digital	Qualified	Percent	State	Print	Digital	Qualified	Percent
Maine	10	4	14		Kentucky	105	33	138	
New Hampshire	13	5	18		Tennessee	112	33	145	
Vermont	5	2	7		Alabama	161	40	201	
Massachusetts	126	43	169		Mississippi	63	23	86	
Rhode Island	8	1	9		EAST SO. CENTRAL	441	129	570	1.9
Connecticut	68	15	83		Arkansas	27	18	45	
NEW ENGLAND	230	70	300	1.0	Louisiana	365	130	495	
New York	236	95	331		Oklahoma	246	88	334	
New Jersey	318	98	416		Texas	2,691	1,506	4,197	
Pennsylvania	370	135	505		WEST SO. CENTRAL	3,329	1,742	5,071	16.8
MIDDLE ATLANTIC	924	328	1,252	4.2	Montana	44	18	62	
Ohio	287	99	386		Idaho	19	10	29	
Indiana	114	35	149		Wyoming	49	10	59	
Illinois	333	187	520		Colorado	192	77	269	
Michigan	136	44	180		New Mexico	50	13	63	
Wisconsin	103	20	123		Arizona	56	17	73	
EAST NO. CENTRAL	973	385	1,358	4.5	Utah	51	22	73	
Minnesota	107	31	138		Nevada	21	9	30	
Iowa	71	21	92		MOUNTAIN	482	176	658	2.2
Missouri	128	37	165		Alaska	30	17	47	
North Dakota	45	13	58		Washington	103	52	155	
South Dakota	25	2	27		Oregon	55	12	67	
Nebraska	36	9	45		California	633	284	917	
Kansas	128	49	177		Hawaii	20	7	27	
WEST NO. CENTRAL	540	162	702	2.3	PACIFIC	841	372	1,213	4.0
Delaware	29	20	49		UNITED STATES	8,591	3,685	12,276	40.7
Maryland	82	35	117		U.S. Territories	5	1	6	
Washington, DC	8	7	15		Canada	924	564	1,488	
Virginia	98	35	133		Mexico	191	246	437	
West Virginia	59	21	80		Other International	7,800	8,156	15,956	
North Carolina	161	27	188		APO/FPO	1	-	1	
South Carolina	81	37	118						
Georgia	105	42	147		TOTAL QUALIFIED	47.540	40.050	20.404	400.0
Florida	208	97	305		CIRCULATION	17,512	12,652	30,164	100.0
SOUTH ATLANTIC	831	321	1.152	3.8					

GEOGRAPHICAL BREAKOUT OF QUALIFIED CIRCULATION FOR ISS	

Age				Total	_				Total	
Afgebranden 1 - 1 1 Utrafie 10 14 24 3 17 3 17 3 10 11 12 12 13 14 18 12 ARRICK Subbotal 2,70 2,498 5,216 17 3 11 2 17 3 11 2 17 3 12 11 10 2 11 3 1 4 8 1 2 11 1 2 11 1 2 11 1 2 11 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 2 3 2 2 2 2 2 2 2 2 2 2 2 2	Region/Country	Print	Digital	Qualified	Percent	Region/Country	Print	Digital	Qualified	Percent
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Bunief Derusseller 4										173
Chine 111							2,120	2,430	5,210	11.5
East Trunor (Timor Leste)							75	39	114	
Hong Kong. SAR			-			Angola				
Indonesia 122 117 239 Cofe Divolne -5 5 5 Indonesian 69 67 130 130 Egynthold Guinea 125 107 232 Indonesian 69 67 130 Egynthold Guinea 125 107 232 Indonesian 144 177 321 Geometry 147 14 Geometry 14	Hong Kong - SAR						7	1	8	
Japan	India					Congo	1	1	2	
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Macao								1		
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Monfells						Etniopia		3		
Marianar		144						12		
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Singapore 192										
Taiwan				356						
Theiland	Sri Lanka					Mozambique		-	1	
Turkmeniskan						Namibia				
Uzbekistan										
Vietnam							289			
Milbole Exp							-			
MIDDLE EAST Sample Sampl					16.4					
Bahrain		2,439	2,492	4,931	16.4					
Iran		11	24	65						
Iraq								7		
Size 37 36 73 22 23 23 24 25 23 24 24 24 24 24 24 24										
Jordan								-		
Lebanon 6				25		Zimbabwe		-		
Lebanon 6			120	196		Subtotal	630	535	1,165	3.9
Qater 190 180 370 Mexico 191 246 437 Saudi Arabia 232 268 500 United States 8,597 3,686 12,283 Syrian Arab Republic 3 7 10 United States 8,597 3,686 12,283 Yemen 2 7 9 Avaita 1 1 2 Bubrotel 1,199 1,346 2,545 8.4 Cayman Islands 1 1 2 Albania - 1 1 1 2 Cuba 4 3 7 Albania - 1 1 1 1 2 1 3 3 1 1 1 2 1 3 3 1 1 1 2 1 1 1 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1						NORTH AMERICA				
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Syrian Arab Republic 3										
United Arab Emirates										
Yemen							9,712	4,496	14,208	47.1
Subtotal 1,199 1,346 2,545 8.4 Cayman Islands 1 1 2 Cayman Islands 1 1 1 2 Cayman Islands 1 1 2 Cayman Islands 1 1 1 2 Cayman Islands 1 1 1 1 1 Cayman Islands			_					1	0	
Albania				25/5	8./					
Albania		1,133	1,540	2,343	0.4					
Austria 27 19 46 Jameica 2 1 3 Belgrus 4 3 7 Martinique 2 - 2 2 Belgrum 76 57 133 Martinique 2 - 2 1 1 3 Martinique 2 - 2 2 Belgrum 76 57 133 Martinique 2 - 2 1 1 1 1 Martinique 12 1 1 1 1 Martinique 13 4 17 Monator 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-	1	1						
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Belgium 76										
Bulgaria 13	Belgium			400						
Croatia			57	133		Netherlands Antilles	4	7	11	
Cyprus 7 5 12 Belize - 1 1 Czech Republic 36 22 58 Cost Rica 3 - 3 Denmark 34 36 70 El Salvador 1 - 1 Estonia 2 3 5 Guatemala 1 1 2 Finland 32 28 60 Nicaragua - 2 2 France 172 115 287 Panama - 2 2 Germany 180 148 328 Subtotal 5 6 11 - Greece 79 71 150 5 6 11 - - 2 2 2 Hungary 39 25 64 Argentina 122 174 296 11 - - - - - - - - - - - - -	Bosnia and Herzegovina	76 2	57 1	3					106	
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Denmark	Bulgaria Croatia	76 2 13 49	57 1 4 39	3 17 88		Trinidad and Tobago Subtotal CENTRAL AMERICA	47	59 73	106 135	0.4
Estonia 2 3 5 Guatemala 1 1 2 2 2 2 5 5 5 5 5 5	Bulgaria Croatia Cyprus	76 2 13 49 7	57 1 4 39 5	3 17 88 12		Trinidad and Tobago Subtotal CENTRAL AMERICA Belize	47 62 -	59 73 1	106 135 1	0.4
Finland 32 28 60 Nicaragua - 2 2 France 172 115 287 Panama - 2 2 Germany 180 148 328 Subtotal 5 6 11 - Greece 79 71 150 SOUTH AMERICA - 2 2 2 Hungary 39 25 64 Argentina 122 174 296 Ireland 17 15 32 Bolivia 18 40 58 Italy 265 274 539 Brazil 134 192 326 Latvia 1 3 4 Chile 35 54 89 Lithuania 3 2 5 Colombia 101 178 279 Luxembourg 5 - 5 Ecuador 19 28 47 Monace Onia 1 1 2 Pe	Bulgaria Croatia Cyprus Czech Republic	76 2 13 49 7 36	57 1 4 39 5 22	3 17 88 12 58		Trinidad and Tobago Subtotal CENTRAL AMERICA Belize Costa Rica	47 62 - 3	59 73 1	106 135 1 3	0.4
France	Bulgaria Croatia Cyprus Czech Republic Denmark	76 2 13 49 7 36 34	57 1 4 39 5 22 36	3 17 88 12 58 70		Trinidad and Tobago Subtotal CENTRAL AMERICA Belize Costa Rica El Salvador	47 62 - 3 1	59 73 1 -	106 135 1 3 1	0.4
Germany 180 148 328 Greece 79 71 150 Hungary 39 25 64 Argentina 122 174 296 Ireland 17 15 32 Bolivia 18 40 58 Italy 265 274 539 Brazil 134 192 326 Latvia 1 3 4 Chile 35 54 89 Lithuania 3 2 5 Colombia 101 178 279 Luxembourg 5 - 5 Ecuador 19 28 47 Macedonia 1 - 1 Guyana 1 - 1 Monaco 2 3 5 Suriname 2 6 8 Netherlands 242 245 487 Uruguay 8 6 14 Norway 31 54 85 Venezuela 6	Bulgaria Croatia Cyprus Czech Republic Denmark Estonia	76 2 13 49 7 36 34 2	57 1 4 39 5 22 36 3	3 17 88 12 58 70 5		Trinidad and Tobago Subtotal CENTRAL AMERICA Belize Costa Rica El Salvador Guatemala	47 62 - 3 1	59 73 1 - - 1	106 135 1 3 1 2	0.4
SOUTH AMERICA Hungary 39 25 64 Argentina 122 174 296 Irland 17 15 32 Bolivia 18 40 58 Italy 265 274 539 Brazil 134 192 326 Latvia 1 3 4 Chile 35 54 89 Lithuania 3 2 5 Colombia 101 178 279 Luxembourg 5 - 5 Ecuador 19 28 47 Macedonia 1 - 1 Guyana 1 - 1 Monaco 2 3 5 Suriname 2 6 8 Netherlands 242 245 487 Uruguay 8 6 14 Norway 31 54 85 Venezuela 568 1,006 1,574 5.2 Portugal 96 73 169 Australia 158 108 107 215 Australia 159 183 342 Russian Federation 38 79 117 New Zealand 17 16 33 Serbia 39 25 64 Papua New Guinea 1 3 4 Slovakia 21 4 25 Suriname 17,512 12,652 30,164 100.0 Switzerland 21 19 40 Suitzerland 17,512 12,652 30,164 100.0 Switzerland 21 19 40 Suitzerland 17,512 12,652 30,164 100.0 Switzerland 21 19 40 Suitzerland 17,512 12,652 30,164 100.0 Switzerland 21 19 40 Suitzerland 17,512 12,652 30,164 100.0 Switzerland 21 19 40 Suitzerland 21 21 24 24 24 24 24 24	Bulgaria Croatia Cyprus Czech Republic Denmark Estonia Finland	76 2 13 49 7 36 34 2 32	57 1 4 39 5 22 36 3 28	3 17 88 12 58 70 5		Trinidad and Tobago Subtotal CENTRAL AMERICA Belize Costa Rica El Salvador Guatemala Nicaragua	47 62 - 3 1	59 73 1 - - 1 2	106 135 1 3 1 2 2	0.4
Hungary 39	Bulgaria Croatia Cyprus Czech Republic Denmark Estonia Finland France	76 2 13 49 7 36 34 2 32 172 180	57 1 4 39 5 22 36 3 28 115	3 17 88 12 58 70 5 60 287		Trinidad and Tobago Subtotal CENTRAL AMERICA Belize Costa Rica El Salvador Guatemala Nicaragua Panama	47 62 3 1 1	59 73 1 - 1 2 2	106 135 1 3 1 2 2 2	0.4
Ireland	Bulgaria Croatia Cyprus Czech Republic Denmark Estonia Finland France Germany	76 2 13 49 7 36 34 2 32 172 180 79	57 1 4 39 5 22 36 3 28 115 148 71	3 17 88 12 58 70 5 60 287 328		Trinidad and Tobago Subtotal CENTRAL AMERICA Belize Costa Rica El Salvador Guatemala Nicaragua Panama Subtotal	47 62 3 1 1	59 73 1 - 1 2 2	106 135 1 3 1 2 2 2	0.4
Italy	Bulgaria Croatia Cyprus Czech Republic Denmark Estonia Finland France Germany Greece	76 2 13 49 7 36 34 2 32 172 180 79 39	57 1 4 39 5 22 36 3 28 115 148 71 25	3 17 88 12 58 70 5 60 287 328 150 64		Trinidad and Tobago Subtotal CENTRAL AMERICA Belize Costa Rica El Salvador Guatemala Nicaragua Panama Subtotal SOUTH AMERICA	47 62 3 1 1 -	59 73 1 - 1 2 2 2 6	106 135 1 3 1 2 2 2 2 11	0.4
Latvia 1 3 4 Lithuania 3 2 5 Luxembourg 5 - 5 Macedonia 1 - 1 Macedonia 1 - 1 Moldova 1 1 2 Monaco 2 3 5 Monaco 2 3 5 Metherlands 242 245 487 Venezuela 2 6 8 Netherlands 242 245 487 Voriegaey 8 6 14 Norway 31 54 85 Poland 83 50 133 Subtotal 568 1,006 1,574 5.2 Portugal 96 73 169 7 Romania 108 107 215 Australia 159 183 342 Russian Federation 38 79 117 New Zealand 17 16 33 Serbia 39 25 64 Papua New Guinea 1 3 4 Slovenia 6 5 11 5 Subtotal 177 202 379 1.3 </td <td>Bulgaria Croatia Cyprus Czech Republic Denmark Estonia Finland France Germany Greece Hungary Ireland</td> <td>76 2 13 49 7 36 34 2 32 172 180 79 39 17</td> <td>57 1 4 39 5 22 36 3 28 115 148 71 25 15</td> <td>3 17 88 12 58 70 5 60 287 328 150 64 32</td> <td></td> <td>Trinidad and Tobago Subtotal CENTRAL AMERICA Belize Costa Rica El Salvador Guatemala Nicaragua Panama Subtotal SOUTH AMERICA Argentina</td> <td>47 62 3 1 1 - - 5 5</td> <td>59 73 1 - 1 2 2 2 6</td> <td>106 135 1 3 1 2 2 2 2 2 11</td> <td>0.4</td>	Bulgaria Croatia Cyprus Czech Republic Denmark Estonia Finland France Germany Greece Hungary Ireland	76 2 13 49 7 36 34 2 32 172 180 79 39 17	57 1 4 39 5 22 36 3 28 115 148 71 25 15	3 17 88 12 58 70 5 60 287 328 150 64 32		Trinidad and Tobago Subtotal CENTRAL AMERICA Belize Costa Rica El Salvador Guatemala Nicaragua Panama Subtotal SOUTH AMERICA Argentina	47 62 3 1 1 - - 5 5	59 73 1 - 1 2 2 2 6	106 135 1 3 1 2 2 2 2 2 11	0.4
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Netherlands 242 245 487 Uruguay 8 6 14 Norway 31 54 85 Venezuela 62 216 278 Poland 83 50 133 Subtotal 568 1,006 1,574 5.2 Portugal 96 73 169 ASIA PACIFIC Australia 159 183 342 Romania 108 107 215 Australia 159 183 342 Russian Federation 38 79 117 New Zealand 17 16 33 Serbia 39 25 64 Papua New Guinea 1 3 4 Slovakia 21 4 25 Subtotal 177 202 379 1.3 Spain 271 358 629 TOTAL QUALIFIED 17,512 12,652 30,164 100.0 Sweden 33 22 55 CIRCULATION 17,512 1	Bulgaria Croatia Cyprus Czech Republic Denmark Estonia Finland France Germany Greece Hungary Ireland Italy Latvia Lithuania Luxembourg Macedonia	76 2 13 49 7 36 34 2 32 172 180 79 39 17 265 1 3 5	57 1 4 39 5 22 36 3 28 115 148 71 25 15 274 3 2	3 17 88 12 58 70 5 60 287 328 150 64 32 539 4 5		Trinidad and Tobago Subtotal CENTRAL AMERICA Belize Costa Rica El Salvador Guatemala Nicaragua Panama Subtotal SOUTH AMERICA Argentina Bolivia Brazil Chile Colombia Ecuador Guyana	47 62 3 1 1 1 5 5 122 18 134 35 101 19 1	59 73 1 	106 135 1 3 1 2 2 2 2 11 296 58 326 89 279 47 1	0.4
Norway 31 54 85 Venezuela 62 216 278 Poland 83 50 133 Subtotal 568 1,006 1,574 5.2 Portugal 96 73 169 ASIA PACIFIC Romania 108 107 215 Australia 159 183 342 Russian Federation 38 79 117 New Zealand 17 16 33 Serbia 39 25 64 Papua New Guinea 1 3 4 Slovakia 21 4 25 Subtotal 177 202 379 1.3 Spain 271 358 629 TOTAL QUALIFIED CIRCULATION 17,512 12,652 30,164 100.0 Switzerland 21 19 40	Bulgaria Croatia Croatia Cyprus Czech Republic Denmark Estonia Finland France Germany Greece Hungary Ireland Italy Latvia Lithuania Luxembourg Macedonia Moldova	76 2 13 49 7 36 34 2 32 172 180 79 39 17 265 1 3 5 1	57 1 4 39 5 22 36 3 28 115 148 71 25 15 274 3 2	3 17 88 12 58 70 5 60 287 328 150 64 32 539 4 5		Trinidad and Tobago Subtotal CENTRAL AMERICA Belize Costa Rica El Salvador Guatemala Nicaragua Panama Subtotal SOUTH AMERICA Argentina Bolivia Brazil Chile Colombia Ecuador Guyana Peru	47 62 3 1 1 - - 5 122 18 134 35 101 19 1 66	59 73 1 1 2 2 6 174 40 192 54 178 28	106 135 1 3 1 2 2 2 2 11 296 58 326 89 279 47 1 178	0.4
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Portugal 96 73 169 ASIA PACIFIC Romania 108 107 215 Australia 159 183 342 Russian Federation 38 79 117 New Zealand 17 16 33 Serbia 39 25 64 Papua New Guinea 1 3 4 Slovakia 21 4 25 Subtotal 177 202 379 1.3 Slovenia 6 5 11 TOTAL QUALIFIED CIRCULATION 17,512 12,652 30,164 100.0 Switzerland 21 19 40 100.0 10.0	Bulgaria Croatia Cyprus Czech Republic Denmark Estonia Finland France Germany Greece Hungary Ireland Italy Latvia Lithuania Luxembourg Macedonia Moldova Monaco Netherlands	76 2 13 49 7 36 34 2 32 172 180 79 39 17 265 1 3 5 1 1 1 2 242	57 1 4 39 5 22 36 3 28 115 148 71 25 15 274 3 2	3 17 88 88 12 58 70 5 60 287 328 150 64 32 539 4 5 5 5		Trinidad and Tobago Subtotal CENTRAL AMERICA Belize Costa Rica El Salvador Guatemala Nicaragua Panama Subtotal SOUTH AMERICA Argentina Bolivia Brazil Chile Colombia Ecuador Guyana Peru Suriname Uruguay	47 62 3 1 1 1 5 5 122 18 134 35 101 19 1 66 2 8	59 73 1 	106 135 1 3 1 2 2 2 2 11 296 58 326 89 279 47 1 178 8 14	0.4
Romania 108 107 215 Australia 159 183 342 Russian Federation 38 79 117 New Zealand 17 16 33 Serbia 39 25 64 Papua New Guinea 1 3 4 Slovakia 21 4 25 Subtotal 177 202 379 1.3 Slovenia 6 5 11 TOTAL QUALIFIED CIRCULATION 17,512 12,652 30,164 100.0 Sweden 33 22 55 CIRCULATION 17,512 12,652 30,164 100.0	Bulgaria Croatia Cyprus Czech Republic Denmark Estonia Finland France Germany Greece Hungary Ireland Italy Latvia Lithuania Luxembourg Macedonia Moldova Monaco Netherlands Norway	76 2 13 49 7 36 34 2 32 172 180 79 39 17 265 1 3 5 1 1 2 2 42 31	57 1 4 39 5 22 36 3 28 115 148 71 25 15 274 3 2 1 1 3 2 5	3 17 88 12 58 70 5 60 287 328 150 64 32 539 4 5 1 2 5 4 5		Trinidad and Tobago Subtotal CENTRAL AMERICA Belize Costa Rica El Salvador Guatemala Nicaragua Panama Subtotal SOUTH AMERICA Argentina Bolivia Brazil Chile Colombia Ecuador Guyana Peru Suriname Uruguay Venezuela	47 62 3 3 1 1 - - 5 5 122 18 134 35 101 19 166 2 8 62	59 73 1 1 2 2 2 6 174 40 192 54 178 28 28 112 6 6 216	106 135 1 3 1 2 2 2 2 11 296 58 326 89 279 47 1 178 8 14 278	-
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Slovenia 6 5 11 Spain 271 358 629 TOTAL QUALIFIED CIRCULATION 17,512 12,652 30,164 100.0 Sweden 33 22 55 CIRCULATION 17,512 12,652 30,164 100.0	Bulgaria Croatia Cyprus Czech Republic Denmark Estonia Finland France Germany Greece Hungary Ireland Italy Latvia Lithuania Luxembourg Macedonia Moldova Monaco Netherlands Norway Poland Portugal Romania Russian Federation	76 2 13 49 7 36 34 2 32 172 180 79 39 17 265 1 3 5 1 1 2 242 31 83 96 108 38 39	57 1 4 39 5 22 36 3 28 115 148 71 25 15 274 3 2 - 1 3 245 50 73 107 79 25	3 17 88 12 58 70 5 60 287 328 150 64 32 539 4 5 5 5 1 2 5 487 85 133 169 215 117 64		Trinidad and Tobago Subtotal CENTRAL AMERICA Belize Costa Rica El Salvador Guatemala Nicaragua Panama Subtotal SOUTH AMERICA Argentina Bolivia Brazil Chile Colombia Ecuador Guyana Peru Suriname Uruguay Venezuela Subtotal ASIA PACIFIC Australia New Zealand	47 62 3 3 1 1 - - 5 5 122 18 134 35 101 19 66 2 8 62 568	59 73 1 1 2 2 6 6 174 40 192 54 178 28 112 6 6 6 216 1,006	106 135 1 3 1 2 2 2 2 111 296 58 326 89 279 47 1 178 8 1,574	-
Sweden 33 22 55 CIRCULATION 17,512 12,652 30,164 100.0 Switzerland 21 19 40	Bulgaria Croatia Croatia Cyprus Czech Republic Denmark Estonia Finland France Germany Greece Hungary Ireland Italy Latvia Lithuania Luxembourg Macedonia Moldova Monaco Netherlands Norway Poland Portugal Romania Russian Federation Serbia	76 2 13 49 7 36 34 2 32 172 180 79 39 17 265 1 3 5 1 1 2 242 31 83 96 108 38 39	57 1 4 39 5 22 36 3 28 115 148 71 25 15 274 3 2 - - - - - - - - - - - - - - - - - -	3 17 88 12 58 70 5 60 287 328 150 64 32 539 4 5 5 5 1 2 5 487 85 133 169 215 117 64		Trinidad and Tobago Subtotal CENTRAL AMERICA Belize Costa Rica El Salvador Guatemala Nicaragua Panama Subtotal SOUTH AMERICA Argentina Bolivia Brazil Chile Colombia Ecuador Guyana Peru Suriname Uruguay Venezuela Subtotal ASIA PACIFIC Australia New Zealand Papua New Guinea	47 62 - 3 1 1 - 5 - 5 - 122 18 134 35 101 19 1 66 2 8 62 568	59 73 1 1 2 2 6 174 40 192 54 178 28 112 6 6 216 1,006 183 16 3	106 135 1 3 1 2 2 2 2 11 296 58 326 89 279 47 1 178 8 14 278 1,574	5.2
Switzerland 21 19 40 CIRCULATION	Bulgaria Croatia Cyprus Czech Republic Denmark Estonia Finland France Germany Greece Hungary Ireland Italy Latvia Lithuania Luxembourg Macedonia Moldova Monaco Netherlands Norway Poland Portugal Romania Russian Federation Serbia Slovakia	76 2 13 49 7 36 34 2 32 172 180 79 39 17 265 1 3 5 1 1 2 242 31 83 96 108 38 39 21 6	57 1 4 39 5 22 36 3 28 115 148 71 25 15 274 3 2 1 1 3 245 54 50 73 107 79 25 4 5	3 17 88 12 58 70 5 60 287 328 150 64 32 539 4 5 5 1 2 5 4 5 1 2 5 1 2 5 1 1 2 5 1 1 2 1 1 1 1 1 1		Trinidad and Tobago Subtotal CENTRAL AMERICA Belize Costa Rica El Salvador Guatemala Nicaragua Panama Subtotal SOUTH AMERICA Argentina Bolivia Brazil Chile Colombia Ecuador Guyana Peru Suriname Uruguay Venezuela Subtotal ASIA PACIFIC Australia New Zealand Papua New Guinea	47 62 - 3 1 1 - 5 - 5 - 122 18 134 35 101 19 1 66 2 8 62 568	59 73 1 1 2 2 6 174 40 192 54 178 28 112 6 6 216 1,006 183 16 3	106 135 1 3 1 2 2 2 2 11 296 58 326 89 279 47 1 178 8 14 278 1,574	5.2
	Bulgaria Croatia Croatia Croatia Cyprus Czech Republic Denmark Estonia Finland France Germany Greece Hungary Ireland Italy Latvia Lithuania Luxembourg Macedonia Moldova Monaco Netherlands Norway Poland Portugal Romania Russian Federation Serbia Slovakia Slovenia Spain	76 2 13 49 7 36 34 2 32 172 180 79 39 17 265 1 3 5 1 1 2 242 31 83 96 108 38 39 21 6 271	57 1 4 39 5 22 36 3 28 115 148 71 25 15 274 3 2 1 3 245 54 50 73 107 79 25 4 5 358	3 17 88 12 58 70 5 60 287 328 150 64 32 539 4 5 5 1 2 5 4 5 1 2 5 1 2 5 1 1 2 5 1 1 2 5 1 1 1 2 1 1 1 1		Trinidad and Tobago Subtotal CENTRAL AMERICA Belize Costa Rica El Salvador Guatemala Nicaragua Panama Subtotal SOUTH AMERICA Argentina Bolivia Brazil Chile Colombia Ecuador Guyana Peru Suriname Uruguay Venezuela Subtotal ASIA PACIFIC Australia New Zealand Papua New Guinea Subtotal TOTAL QUALIFIED	47 62 3 1 1 1 5 122 18 134 35 101 19 1 66 2 8 62 568 159 17 1	59 73 1 1 2 2 6 174 40 192 54 178 28 112 6 6 6 216 1,006 183 16 3 202	106 135 1 3 1 2 2 2 2 11 296 58 326 89 279 47 11 178 8 14 278 1,574 342 33 4	5.2
*See Additional Data	Bulgaria Croatia Croatia Croatia Cyprus Czech Republic Denmark Estonia Finland France Germany Greece Hungary Ireland Italy Latvia Lithuania Luxembourg Macedonia Moldova Monaco Netherlands Norway Poland Portugal Romania Russian Federation Serbia Slovakia Slovenia Spain Sweden	76 2 13 49 7 36 34 2 32 172 180 79 39 17 265 1 3 5 1 1 2 242 31 83 96 108 38 39 21 6 271 33	57 1 4 39 5 22 36 3 28 115 148 71 25 15 274 3 2 - 1 3 245 50 73 107 79 25 4 5 5 8 8 8 8 9 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3 17 88 88 12 58 70 5 60 287 328 150 64 32 539 4 5 5 5 1 2 5 5 487 85 133 169 215 117 64 25 117 64 25 117		Trinidad and Tobago Subtotal CENTRAL AMERICA Belize Costa Rica El Salvador Guatemala Nicaragua Panama Subtotal SOUTH AMERICA Argentina Bolivia Brazil Chile Colombia Ecuador Guyana Peru Suriname Uruguay Venezuela Subtotal ASIA PACIFIC Australia New Zealand Papua New Guinea Subtotal TOTAL QUALIFIED	47 62 3 1 1 1 5 122 18 134 35 101 19 1 66 2 8 62 568 159 17 1	59 73 1 1 2 2 6 174 40 192 54 178 28 112 6 6 6 216 1,006 183 16 3 202	106 135 1 3 1 2 2 2 2 11 296 58 326 89 279 47 11 178 8 14 278 1,574 342 33 4	5.2
	Bulgaria Croatia Cyprus Czech Republic Denmark Estonia Finland France Germany Greece Hungary Ireland Italy Latvia Lithuania Luxembourg Macedonia Moldova Monaco Netherlands Norway Poland Portugal Romania Russian Federation Serbia Slovakia Slovenia Spain Sweden Sweden Switzerland	76 2 13 49 7 36 34 2 32 172 180 79 39 17 265 1 3 5 1 1 2 242 31 83 96 108 38 39 21 6 271 33	57 1 4 39 5 22 36 3 28 115 148 71 25 15 274 3 2 - 1 3 245 50 73 107 79 25 4 5 5 8 8 8 8 9 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3 17 88 88 12 58 70 5 60 287 328 150 64 32 539 4 5 5 5 1 2 5 5 487 85 133 169 215 117 64 25 117 64 25 117		Trinidad and Tobago Subtotal CENTRAL AMERICA Belize Costa Rica El Salvador Guatemala Nicaragua Panama Subtotal SOUTH AMERICA Argentina Bolivia Brazil Chile Colombia Ecuador Guyana Peru Suriname Uruguay Venezuela Subtotal ASIA PACIFIC Australia New Zealand Papua New Guinea Subtotal TOTAL QUALIFIED	47 62 3 1 1 1 5 122 18 134 35 101 19 1 66 2 8 62 568 159 17 1	59 73 1 1 2 2 6 174 40 192 54 178 28 112 6 6 6 216 1,006 183 16 3 202	106 135 1 3 1 2 2 2 2 11 296 58 326 89 279 47 11 178 8 14 278 1,574 342 33 4	5.2

E-NEWSLETTER CHANNEL

2017 JLY	HP News Brief	2017 OCTOBER	HP News Brief
	45 105	October 2	46,288
July 3	45,105		
July 4	45,091	October 3	46,259
July 5	45,072	October 4	46,251
July 6	45,063	October 5	46,234
July 7	44,777	October 6	46,235
July 10	45,078	October 9	46,247
July 11	45,080	October 10	46,237
-			
July 12	46,855	October 11	46,223
July 13	46,779	October 12	46,199
July 14	46,788	October 13	46,208
July 17	46,781	October 16	46,198
July 18	46,758	October 17	46,187
		October 18	
July 19	46,751		46,200
July 20	46,737	October 19	46,200
July 21	46,720	October 20	46,187
July 24	46,708	October 23	46,177
July 25	46,698	October 24	46,181
July 26	46,702	October 25	46,137
•			
July 27	46,673	October 26	46,118
July 28	46,671	October 27	46,115
July 31	46,668	October 30	46,082
UGUST		October 31	46,100
August 1	46,656	NOVEMBER	
August 2	46,651	November 1	46,072
August 3	46,639	November 2	46,044
August 4	46,630	November 3	46,039
August 7	46,630	November 6	46,168
August 8	46,614	November 7	46,069
August 9	46,626	November 8	46,051
_	46,614	November 9	46,055
August 10			
August 11	46,609	November 10	46,043
August 14	46,583	November 13	46,019
August 15	46,575	November 14	45,995
August 16	46,571	November 15	45,998
August 17	46,564	November 16	45,980
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August 18	46,548	November 17	45,968
August 21	46,541	November 20	45,961
August 22	46,535	November 21	45,957
August 23	46,546	November 22	45,943
August 24	46,546	November 23	45,929
August 25	46,475	November 24	45,921
_			
August 28	46,440	November 27	45,919
August 29	46,450	November 28	45,903
August 30	46,441	November 29	48,511
August 31	46,446	November 30	48,492
EPTEMBER	-, -	DECEMBER	-, -
	46 420		19.460
September 1	46,429	December 1	48,460
September 4	46,414	December 4	48,410
September 5	46,410	December 5	48,393
September 6	46,412	December 6	48,378
September 7	46,400	December 7	48,368
September 8	46,396	December 8	48,352
•			
September 11	46,389	December 11	48,335
September 12	46,373	December 12	48,326
September 13	46,376	December 13	48,295
September 14	46,355	December 14	48,287
September 15	46,366	December 15	48,268
September 18	46,368		48,226
•		December 18	
September 19	46,365	December 19	48,190
September 20	46,357	December 20	48,174
September 21	46,340	December 21	48,079
September 22	46,326	December 22	48,099
September 25	46,313	December 26	48,074
•			
September 26	46,316	December 27	48,064
September 27	46,317	December 28	48,059
September 28	46,293	December 29	48,057
September 29	46,296	AVERAGE:	46,607
p	. 0,200		,

WEBSITE CHANNEL

WWW.HYDROCARBONPROCESSING.COM

2017	PAGEVIEWS	SESSIONS	USERS	AVERAGE SESSION DURATION
July	197,956	113,433	72,380	2:18
August	235,505	135,108	84,259	2:12
September	202,963	117,515	75,887	2:09
October	208,346	125,619	83,230	1:47
November	194,188	112,579	71,362	1:44
December	161,790	91,046	56,117	1:49
AVERAGE:	200,124	115,883	73,872	1:59

July - December 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 cookied 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 Cookied 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 5,079 27,571 Balance 5.166 27.982 July 5,262 28,788 August September 5,289 29,027 October 5,334 29,262 November 5.375 29,609 5,440 December 29.809

ADDITIONAL DATA

METHOD OF DISTRIBUTION:

All qualified circulation conforms to the field served and definition of recipient 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:

Replica plus – If a print edition exists, "plus" is editorial that is retained from the original edition and is redesigned and/or supplemented. Each issue's content is primarily taken (but not necessarily replicated in its entirety) from the original edition (whether in print or digital). Apart from minor updates, the content cannot change once the issue is made available.

MAGAZINE:

Qualified Paid Multi-Copy Same Addressee subscriptions averaging 91 copies were sold to qualified recipients at reduced prices in quantities of 2 to 51.

Gas Processing: Technology and Business Information for the Global Gas Processing Industry supplement was mailed to selected subscribers in August, October, and December. Global Refining Map supplement was mailed to all subscribers in September. Shell Global Solutions: Preparing for the disruptions that lie ahead supplement was mailed to all subscribers in December.

Paragraph 3b includes 21 subscriptions older than three years.

AVERAGE ANNUAL ORDER PRICE: \$445.20

GEOGRAPHIC DISTRIBUTION:

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

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, Publishe

(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 January 15, 2018

State Texas County Harris Received by BPA Worldwide January 15, 2018

BJ Type

ID Number H183B0D7

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