

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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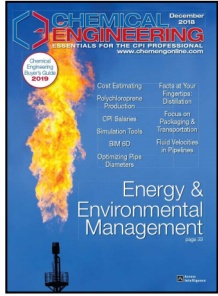
CHEMICAL ENGINEERING is a brand that reaches chemical engineers in the chemical process industries (CPI). In order to reach all major segments of the CPI, Chemical Engineering uses its website, newsletters, social media outlets, webinars, white papers, job board, technical books and involvement in trade shows and conferences. Brand extensions include chemengonline.com, CE Direct, Chemplay, CE Focus, Breakthrough Technologies, and the Chemical Engineering Buyers' Guide. Chemical Engineering's strength is its diversification in the marketplace.

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

CHEMICAL ENGINEERING MAGAZINE



6 issues in the period
60,077 average circulation

CHEMICAL ENGINEERING WEBSITE



66,914 average users

CHEMICAL ENGINEERING SOCIAL MEDIA



23,300 Twitter followers
69,767 LinkedIn group members

EXECUTIVE SUMMARY

Below are the average contacts per occurrence, including frequency per period reported.

	Non-Paid	Paid	Average
CHEMICAL ENGINEERING MAGAZINE (6 issues in the period)	58,608	1,469	60,077
a. Print	28,679	1,298	29,977
b. Digital	29,929	171	30,100
1. Requested	28,958	171	29,129
2. Non-Requested	971	-	971
CHEMICAL ENGINEERING WEBSITE (Monthly Users with 142,525 average Pageviews)	66,914	-	66,914
CHEMICAL ENGINEERING SOCIAL MEDIA			
a. Twitter followers	*23,300	-	*23,300
b. LinkedIn group members	*69,767	-	*69,767

*Social Media claims are cumulative figures, not averages.

FIELD SERVED

CHEMICAL ENGINEERING serves companies involved in manufacturing, engineering, government, educational services, financial services, public utilities/waste management, transportation, storage, distribution, wholesale/retail trade, business/legal services, consulting/misc. services, associations, societies, trade groups and others allied to the field.

DEFINITION OF RECIPIENT QUALIFICATION

Qualified recipients are involved in corporate management, plant operations, production management, engineering, technical direction, regulatory & safety management, purchasing, sales & marketing management, consulting and personnel in other functions within the Field Served.

AVERAGE NON-QUALIFIED CIRCULATION

Non-Qualified Not Included Elsewhere	Copies
Other Paid Circulation	1
Advertiser and Agency	681
Allocated for Trade Shows and Conventions	160
All Other	899
TOTAL	1,741

1. AVERAGE QUALIFIED CIRCULATION BREAKOUT FOR THE PERIOD

Qualified Circulation	Total Qualified		Qualified Non-Paid		Qualified Paid	
	Copies	Percent	Copies	Percent	Copies	Percent
Individual	59,996	99.9	58,606	97.6	1,390	2.3
Sponsored Individually Addressed	3	-	-	-	3	-
Membership Benefit	-	-	-	-	-	-
Multi-Copy Same Addressee	78	0.1	2	-	76	0.1
Single Copy Sales	-	-	-	-	-	-
TOTAL QUALIFIED CIRCULATION	60,077	100.0	58,608	97.6	1,469	2.4

2. QUALIFIED CIRCULATION BY ISSUES FOR PERIOD

2018 Issue	Print	Digital	Qualified Non-Paid	Qualified Paid	Total Qualified
July	29,560	30,540	58,580	1,520	60,100
August	29,498	30,591	58,608	1,481	60,089
September	29,282	30,744	58,547	1,479	60,026
October	29,293	30,762	58,596	1,459	60,055
November	31,064	29,037	58,655	1,446	60,101
December	31,166	28,923	58,665	1,424	60,089

3a. BUSINESS/OCCUPATION BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF NOVEMBER 2018
 This issue is -% or 29 copies above the average of the other 5 issues reported in Paragraph 2.

Business & Industry	Total Qualified	Percent of Total	Print	Digital	Qualified Non-Paid	Qualified Paid	Classification by Function						
							Corporate Management (Note 1)	Plant Operations & Production Management (Note 2)	Engineering (Note 3)	Technical Direction (Note 4)	Regulatory/Safety Manager, Consultant	Purchasing, Sales & Marketing (Note 5)	Other Functions
Manufacturing	32,441	54.0	14,955	17,486	32,348	93	4,749	10,462	11,077	2,454	1,387	1,681	631
Engineering (Note 6)	13,171	21.9	7,498	5,673	13,145	26	2,892	3,466	4,797	390	856	370	400
Government	791	1.3	454	337	789	2	70	303	253	83	59	7	16
Educational Services	1,062	1.8	237	825	1,059	3	38	214	315	217	50	16	212
Financial Services	174	0.3	70	104	173	1	51	55	20	7	29	9	3
Public Utilities, Waste Management, Transportation, Storage	6,608	11.0	4,665	1,943	6,606	2	1,121	3,124	1,719	198	150	203	93
Chemical Distributor, Wholesale/Retail Trade	769	1.3	471	298	767	2	245	238	122	25	22	106	11
Business/Legal Services, Consulting, Misc. Services	2,785	4.6	1,194	1,591	2,775	10	871	544	602	83	593	75	17
Association, Society, Trade Group	77	0.1	37	40	77	-	21	33	10	2	1	7	3
Others Allied to the Field	2,223	3.7	1,483	740	916	1,307	120	218	245	52	67	63	1,458
Sub-Total	60,101	100.0	31,064	29,037	58,655	1,446	10,178	18,657	19,160	3,511	3,214	2,537	2,844
Other Paid Circulation	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL QUALIFIED CIRCULATION	60,101	100.0	31,064	29,037	58,655	1,446							

Note 1: Owner, Partner, President, CEO, COO, CFO, VP, GM, Company Official

Note 2: Director, Dept. Head, Work Exec., Manager, Plant/Facility/Operations Manager, Production Manager, Supervisor/Foreman, Non-Technical Manager/Associate

Note 3: Engineer

Note 4: Research/Development Manager, Scientist/Chemist/Metallurgist/Specialist

Note 5: Purchaser/Buyer, Sales/Marketing Manager

Note 6: Engineering, Consulting Engineering, Design, Construction, Independent Laboratories, Research & Development, Environmental Services

3b. QUALIFICATION SOURCE BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF NOVEMBER 2018

Qualification Source	Qualified Within			Print	Digital	Qualified Non-Paid	Qualified Paid	Total Qualified	Percent
	1 Year	2 Years	3 Years						
I. Direct Request:	40,019	12,011	-	24,315	27,715	50,590	1,440	52,030	86.6
II. Request from recipient's company:	8	-	-	8	-	2	6	8	-
III. Membership Benefit:	-	-	-	-	-	-	-	-	-
IV. *Communication from recipient or recipient's company (other than request):	8,063	-	-	6,741	1,322	8,063	-	8,063	13.4
V. TOTAL - Sources other than above (listed alphabetically):	-	-	-	-	-	-	-	-	-
Association rosters and directories	-	-	-	-	-	-	-	-	-
Business directories	-	-	-	-	-	-	-	-	-
Manufacturer's, distributor's, and wholesaler's lists	-	-	-	-	-	-	-	-	-
Other sources	-	-	-	-	-	-	-	-	-
VI. Single Copy Sales:	-	-	-	-	-	-	-	-	-
TOTAL QUALIFIED CIRCULATION	48,090	12,011	-	31,064	29,037	58,655	1,446	60,101	100.0
PERCENT	80.0	20.0	-	51.7	48.3	97.6	2.4	100.0	

*See Additional Data

3c. MAILING ADDRESS BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF NOVEMBER 2018

Mailing Address	Print	Digital	Qualified Non-Paid	Qualified Paid	Total Qualified	Percent
Individuals by name and title and/or function	30,409	29,007	58,630	786	59,416	98.9
Individuals by name only	202	17	19	200	219	0.4
Titles or functions only	135	4	3	136	139	0.2
Company names only	235	9	1	243	244	0.4
Multi-Copy Same Addressee copies	83	-	2	81	83	0.1
Single Copy Sales	-	-	-	-	-	-
TOTAL QUALIFIED CIRCULATION	31,064	29,037	58,655	1,446	60,101	100.0

AVERAGE ANNUAL AUDITED QUALIFIED CIRCULATION AND CURRENT UNAUDITED BRAND REPORTS

6-Month Period Ended:	Audited Data		Audited Data		Audited Data		Audited Data		Circulation Claim		Circulation Claim	
	January – June 2016	July – December 2016	January – June 2017	July – December 2017	January – June 2018*	July – December 2018*	January – June 2018*	July – December 2018*	January – June 2018*	July – December 2018*	January – June 2018*	July – December 2018*
Total Audit Average Qualified:	60,056	60,036	60,033	60,062	60,056	60,077						
Qualified Non-Paid:	57,935	58,054	58,175	58,361	58,490	58,608						
Print:	29,321	28,463	28,959	28,981	28,749	28,679						
Digital:	28,614	29,592	29,217	29,380	29,741	29,929						
Qualified Paid:	2,121	1,982	1,858	1,701	1,566	1,469						
Print:	1,921	1,776	1,666	1,524	1,404	1,298						
Digital:	206	214	196	179	162	171						
Post Expire Copies included in Total Qualified Circulation:	0.3%	0.4%	0.3%	0.3%	0.3%	0.2%						
Average Annual Order Price:	\$261.39	\$234.42	\$283.19	\$262.39	\$253.88	\$296.56						

*NOTE: January – December 2018 data is unaudited. With each successive period, new data will be added until six 6-month periods are displayed.

**NC = None Claimed.

GEOGRAPHICAL BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF NOVEMBER 2018*

State	Print	Digital	Qualified Non-Paid	Qualified Paid	Total Qualified	Percent	State	Print	Digital	Qualified Non-Paid	Qualified Paid	Total Qualified	Percent
Maine	134	26	158	2	160		Kentucky	404	94	493	5	498	
New Hampshire	155	36	186	5	191		Tennessee	584	185	743	26	769	
Vermont	48	7	55	-	55		Alabama	474	124	520	78	598	
Massachusetts	696	192	864	24	888		Mississippi	148	44	190	2	192	
Rhode Island	87	23	106	4	110		EAST SO. CENTRAL	1,610	447	1,946	111	2,057	3.4
Connecticut	382	86	463	5	468		Arkansas	180	38	215	3	218	
NEW ENGLAND	1,502	370	1,832	40	1,872	3.1	Louisiana	503	189	677	15	692	
New York	1,259	360	1,565	54	1,619		Oklahoma	322	111	421	12	433	
New Jersey	1,132	347	1,385	94	1,479		Texas	3,145	1,431	4,474	102	4,576	
Pennsylvania	1,677	501	2,133	45	2,178		WEST SO. CENTRAL	4,150	1,769	5,787	132	5,919	9.9
MIDDLE ATLANTIC	4,068	1,208	5,083	193	5,276	8.8	Montana	115	25	134	6	140	
Ohio	1,544	408	1,919	33	1,952		Idaho	128	40	165	3	168	
Indiana	612	190	791	11	802		Wyoming	107	26	131	2	133	
Illinois	1,713	526	2,197	42	2,239		Colorado	429	141	557	13	570	
Michigan	901	246	1,126	21	1,147		New Mexico	116	32	146	2	148	
Wisconsin	724	187	902	9	911		Arizona	282	97	376	3	379	
EAST NO. CENTRAL	5,494	1,557	6,935	116	7,051	11.7	Utah	241	70	307	4	311	
Minnesota	642	152	779	15	794		Nevada	170	52	218	4	222	
Iowa	387	83	463	7	470		MOUNTAIN	1,588	483	2,034	37	2,071	3.4
Missouri	690	190	865	15	880		Alaska	93	29	120	2	122	
North Dakota	111	29	138	2	140		Washington	478	164	631	11	642	
South Dakota	99	17	113	3	116		Oregon	248	50	292	6	298	
Nebraska	222	40	259	3	262		California	2,019	673	2,631	61	2,692	
Kansas	429	107	533	3	536		Hawaii	74	20	92	2	94	
WEST NO. CENTRAL	2,580	618	3,150	48	3,198	5.3	PACIFIC	2,912	936	3,766	82	3,848	6.4
Delaware	147	57	196	8	204		UNITED STATES	28,502	8,723	36,353	872	37,225	61.9
Maryland	373	114	478	9	487		U.S. Territories	81	45	123	3	126	
Washington, DC	101	52	151	2	153		Canada	374	1,123	1,426	71	1,497	
Virginia	643	173	802	14	816		Mexico	45	1,122	1,161	6	1,167	
West Virginia	178	55	230	3	233		Other International	2,060	18,021	19,587	494	20,081	
North Carolina	812	217	1,006	23	1,029		AP0/FPO	2	3	5	-	5	
South Carolina	480	155	620	15	635								
Georgia	775	194	953	16	969								
Florida	1,089	318	1,384	23	1,407								
SOUTH ATLANTIC	4,598	1,335	5,820	113	5,933	9.9							
							TOTAL QUALIFIED CIRCULATION	31,064	29,037	58,655	1,446	60,101	100.0

*See Additional Data

GEOGRAPHICAL BREAKOUT OF QUALIFIED CIRCULATION FOR ISSUE OF NOVEMBER 2018*

Region/Country	Print	Digital	Qualified Non-Paid	Qualified Paid	Total Qualified	Percent	Region/Country	Print	Digital	Qualified Non-Paid	Qualified Paid	Total Qualified	Percent
ASIA							Cameroon	-	24	24	-	24	
Afghanistan	-	8	8	-	8		Chad	-	1	1	-	1	
Armenia	-	2	2	-	2		Congo	1	18	19	-	19	
Azerbaijan	-	18	18	-	18		Cote D'Ivoire	-	6	6	-	6	
Bangladesh	5	71	76	-	76		Djibouti	-	2	2	-	2	
Bhutan	-	2	2	-	2		Egypt	11	284	293	2	295	
Brunei Darussalam	1	8	9	-	9		Equatorial Guinea	-	1	1	-	1	
Cambodia	-	1	1	-	1		Eritrea	-	3	3	-	3	
China	17	165	181	1	182		Ethiopia	3	61	64	-	64	
East Timor (Timor-Leste)	-	1	1	-	1		Gabon	-	2	2	-	2	
Georgia	-	3	3	-	3		Gambia	1	7	8	-	8	
Hong Kong - SAR	2	77	79	-	79		Ghana	4	109	113	-	113	
India	150	2,192	2,275	67	2,342		Guinea	-	5	5	-	5	
Indonesia	25	417	439	3	442		Kenya	7	110	117	-	117	
Japan	34	112	118	28	146		Lesotho	2	4	6	-	6	
Kazakhstan	3	14	17	-	17		Liberia	2	38	40	-	40	
Korea, Democratic People's Republic Of	16	5	5	16	21		Libyan Arab Jamahiriya	-	22	22	-	22	
Korea, Republic Of	19	190	197	12	209		Madagascar	-	5	5	-	5	
Laos	1	1	2	-	2		Malawi	1	10	11	-	11	
Macao	-	1	1	-	1		Mauritius	2	21	23	-	23	
Malaysia	26	408	430	4	434		Morocco	2	22	24	-	24	
Mongolia	1	3	4	-	4		Mozambique	-	6	6	-	6	
Myanmar	1	8	9	-	9		Namibia	2	14	16	-	16	
Nepal	1	12	13	-	13		Niger	-	2	2	-	2	
Pakistan	28	445	468	5	473		Nigeria	30	562	591	1	592	
Philippines	12	283	291	4	295		Rwanda	1	29	30	-	30	
Singapore	25	348	367	6	373		Senegal	1	5	6	-	6	
Sri Lanka	7	79	85	1	86		Sierra Leone	1	9	10	-	10	
Taiwan	15	181	185	11	196		Somalia	1	27	28	-	28	
Tajikistan	-	1	1	-	1		South Africa	47	519	556	10	566	
Thailand	16	269	278	7	285		Sudan	2	62	64	-	64	
Turkmenistan	-	1	1	-	1		Swaziland	1	7	8	-	8	
Uzbekistan	-	6	6	-	6		Tanzania	1	64	65	-	65	
Vietnam	5	71	76	-	76		Togo	-	1	1	-	1	
Subtotal	410	5,403	5,648	165	5,813	9.7	Tunisia	7	32	39	-	39	
MIDDLE EAST							Uganda	4	88	92	-	92	
Bahrain	5	53	56	2	58		Zambia	4	59	62	1	63	
Iran	18	407	424	1	425		Zimbabwe	1	57	58	-	58	
Iraq	2	44	46	-	46		Unspecified Africa	-	3	3	-	3	
Israel	9	131	138	2	140		Subtotal	151	2,418	2,554	15	2,569	4.3
Jordan	2	32	34	-	34		NORTH AMERICA						
Kuwait	4	86	89	1	90		Canada	374	1,123	1,426	71	1,497	
Lebanon	2	20	21	1	22		Mexico	45	1,122	1,161	6	1,167	
Oman	5	67	72	-	72		United States	28,585	8,771	36,481	875	37,356	
Qatar	16	146	162	-	162		unspecified North America	-	1	1	-	1	
Saudi Arabia	26	373	398	1	399		Subtotal	29,004	11,017	39,069	952	40,021	66.6
Syrian Arab Republic	-	15	15	-	15		CARIBBEAN						
United Arab Emirates	22	340	358	4	362		Anguilla	-	1	1	-	1	
Yemen	1	6	7	-	7		Antigua and Barbuda	-	1	1	-	1	
unspecified Middle East	-	1	1	-	1		Bahamas	-	2	2	-	2	
Subtotal	112	1,721	1,821	12	1,833	3.1	Barbados	-	1	1	-	1	
EUROPE							Bermuda	-	1	1	-	1	
Albania	-	4	4	-	4		Cayman Islands	-	1	1	-	1	
Austria	17	38	50	5	55		Cuba	7	43	50	-	50	
Belarus	-	2	2	-	2		Dominican Republic	2	21	23	-	23	
Belgium	50	187	216	21	237		Haiti	-	3	3	-	3	
Bosnia and Herzegovina	1	11	12	-	12		Jamaica	-	31	31	-	31	
Bulgaria	10	26	36	-	36		Martinique	-	1	1	-	1	
Croatia	14	34	48	-	48		Netherlands Antilles	-	9	9	-	9	
Cyprus	1	15	16	-	16		Puerto Rico	1	-	-	1	1	
Czech Republic	12	25	35	2	37		Trinidad and Tobago	2	57	59	-	59	
Denmark	19	58	70	7	77		Virgin Islands, British	-	1	1	-	1	
Estonia	2	4	5	1	6		Subtotal	12	173	184	1	185	0.3
Faroe Islands	-	1	1	-	1		CENTRAL AMERICA						
Finland	23	46	58	11	69		Belize	-	3	3	-	3	
France	70	236	264	42	306		Costa Rica	-	43	43	-	43	
Germany	96	305	375	26	401		El Salvador	1	25	26	-	26	
Gibraltar	-	1	1	-	1		Guatemala	1	73	74	-	74	
Greece	34	154	186	2	188		Honduras	1	19	20	-	20	
Hungary	6	39	45	-	45		Nicaragua	-	12	12	-	12	
Iceland	1	9	8	2	10		Panama	1	16	17	-	17	
Ireland	26	98	123	1	124		Subtotal	4	191	195	-	195	0.3
Italy	103	438	503	38	541		SOUTH AMERICA						
Latvia	2	4	6	-	6		Argentina	31	449	474	6	480	
Lithuania	2	8	10	-	10		Bolivia	4	74	78	-	78	
Luxembourg	2	11	13	-	13		Brazil	44	633	669	8	677	
Macedonia	-	6	6	-	6		Chile	14	238	249	3	252	
Malta	3	5	8	-	8		Colombia	18	431	449	-	449	
Moldova	-	1	1	-	1		Ecuador	6	126	131	1	132	
Monaco	-	1	1	-	1		Guyana	-	4	4	-	4	
Montenegro	-	1	1	-	1		Paraguay	-	9	9	-	9	
Netherlands	66	348	392	22	414		Peru	12	396	403	5	408	
Norway	7	46	49	4	53		Suriname	-	5	5	-	5	
Poland	31	70	96	5	101		Uruguay	1	60	61	-	61	
Portugal	36	145	176	5	181		Venezuela	23	334	357	-	357	
Romania	48	120	167	1	168		Subtotal	153	2,759	2,889	23	2,912	4.8
Russian Federation	11	93	103	1	104		ASIA PACIFIC						
San Marino	1	-	1	-	1		American Samoa	-	1	1	-	1	
Serbia	3	39	42	-	42		Australia	62	621	663	20	683	
Slovakia	2	29	31	-	31		Fiji	1	8	9	-	9	
Slovenia	9	24	27	6	33		Kiribati	-	1	1	-	1	
Spain	91	510	590	11	601		New Zealand	12	94	99	7	106	
Sweden	22	49	61	10	71		Palau	-	1	1	-	1	
Switzerland	18	134	148	4	152		Papua New Guinea	3	34	37	-	37	
Turkey	16	262	275	3	278		Solomon Islands	1	2	3	-	3	
Ukraine	1	33	34	-	34		Tonga	-	1	1	-	1	
United Kingdom	283	911	1,173	21	1,194		Vanuatu	-	2	2	-	2	
unspecified Europe	-	2	2	-	2		Western Samoa	-	2	2	-	2	
Subtotal	1,139	4,583	5,471	251	5,722	9.5	Subtotal	79	767	819	27	846	1.4
AFRICA							Email Only	-	5	5	-	5	
Algeria	8	84	92	-	92		TOTAL QUALIFIED CIRCULATION						
Angola	2	11	13	-	13		31,064	29,037	58,655	1,446	60,101	100.0	
Benin	-	4	4	-	4								
Botswana	1	8	8	1	9								
Burkina Faso	-	1	1	-	1								
Burundi	1	9	10	-	10								

*See Additional Data

WEBSITE CHANNEL

WWW.CHEMENGONLINE.COM

2018	Pageviews	Sessions	Users	Average Session Duration
July	135,672	82,158	62,641	1:32
August	135,864	82,878	61,496	1:26
September	133,850	83,753	63,329	1:21
October	161,071	103,541	78,645	1:17
November	160,168	100,694	75,596	1:16
December	128,526	80,675	59,782	1:17
AVERAGE:	142,525	88,949	66,914	1:21

July – December 2018 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.

SOCIAL MEDIA CHANNEL

Chemical Engineering Social Media



Twitter followers



LinkedIn group members

2018

<http://twitter.com/chemengonline.com/the-magazine>

<http://linkedin.com/chemengonline.com>

Beginning Balance:	21,898	69,095
July	22,000	69,216
August	22,400	69,341
September	22,600	69,465
October	23,000	69,469
November	20,400	69,772
December	23,300	69,767

ADDITIONAL DATA

MAGAZINE:

METHOD OF DISTRIBUTION:

All qualified circulation conforms to the field served and definition of recipient qualification, as reported. Print copies are distributed via postal services or other carriers. Recipients of the digital version are notified via email when the version is available.

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.

PARAGRAPH 3b:

Communication from recipient or recipient's company (other than request) includes 1 source of circulation for a quantity of 8,063 copies or 13.4%, including POWER magazine.

GEOGRAPHIC DISTRIBUTION:

Geographic data for 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.

Sarah Garwood, Marketing and Audience Development Director

Matthew Grant, Vice President and Group 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

January 15, 2019

State

Maryland

County

Montgomery

Received by BPA Worldwide

January 15, 2019

Type

BD

ID Number

C709B0D8

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.