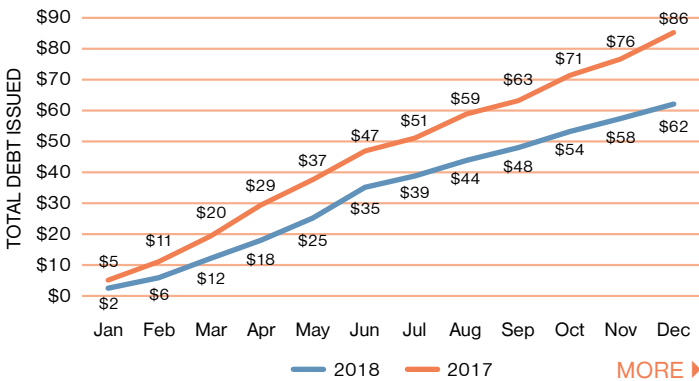
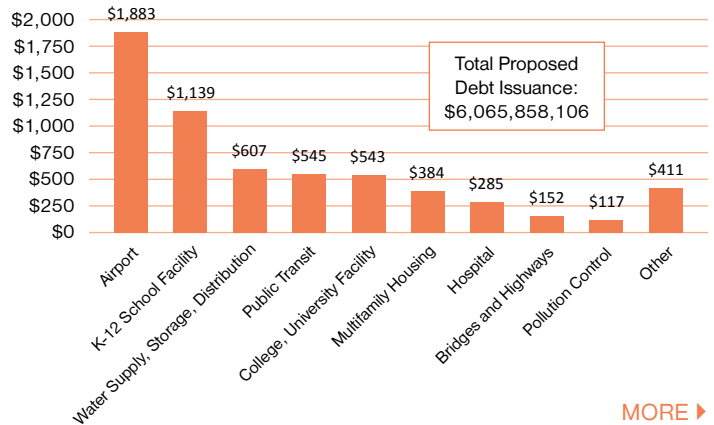


California Public Debt Issuance Monthly Data

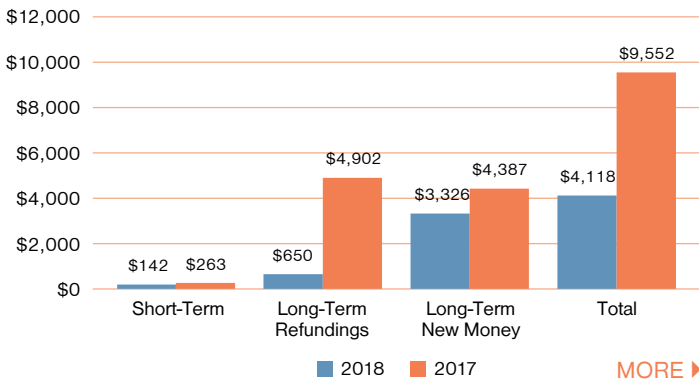
CUMULATIVE CALIFORNIA PUBLIC DEBT ISSUANCE (IN BILLIONS)¹



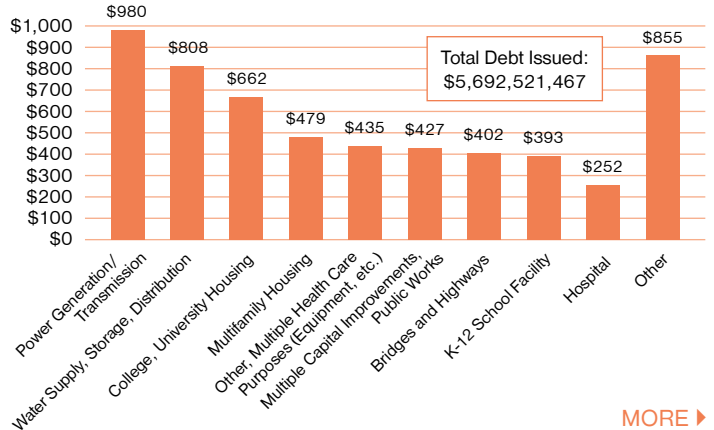
REPORTS OF PROPOSED DEBT ISSUANCE RECEIVED
12-16-2018 THROUGH 1-15-2019, BY PURPOSE (IN MILLIONS)



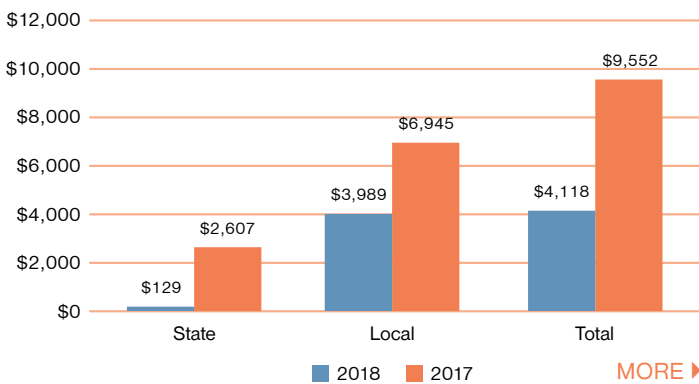
CALIFORNIA PUBLIC DEBT ISSUANCE, DECEMBER (IN MILLIONS)¹



TOTAL REPORTS OF FINAL SALE RECEIVED
12-16-2018 THROUGH 1-15-2019, BY PURPOSE (IN MILLIONS)



STATE* VERSUS LOCAL DEBT ISSUANCE, DECEMBER (IN MILLIONS)¹



More detailed debt issuance information is available in the monthly [Debt Line Calendar](#). DL

* State issuers include the State of California, its agencies, commissions, authorities, departments and The Student Loan Corporation.

¹ Data may not include issuances reported after the 22nd day of the following month.

INSIDE THIS ISSUE

Data Corner	2
Top Municipal Financing Team Participants: Calendar Year 2018	3
Save the Date	7
Regulatory Activity Calendar	8



**CALIFORNIA
DEBT AND
INVESTMENT
ADVISORY
COMMISSION**

Chair:

FIONA MA, CPA
California State Treasurer

Members:

GAVIN NEWSOM
Governor

BETTY T. YEE
State Controller

SABRINA CERVANTES
Assemblymember

DAVID BAUM
Finance Director
City of San Leandro

JOSÉ CISNEROS
Treasurer and Tax Collector
City and County of San Francisco

Executive Director:
MARK B. CAMPBELL

Debt Line is published monthly by the California Debt and Investment Advisory Commission (CDIAC).

915 Capitol Mall, Room 400
Sacramento, CA 95814
P (916) 653-3269
F (916) 654-7440
cdiac@treasurer.ca.gov
www.treasurer.ca.gov/cdiac

Debt Line publishes articles on debt financing and public fund investment that may be of interest to our readers; however, these articles do not necessarily reflect the views of the Commission.

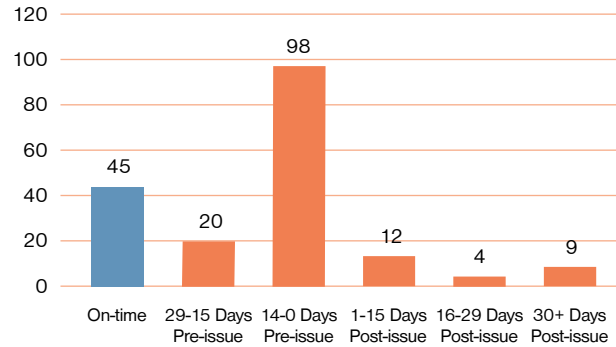
Business correspondence and editorial comments are welcome.

All rights reserved. No part of this document may be reproduced without written credit given to CDIAC. Permission to reprint with written credit given to CDIAC is hereby granted.

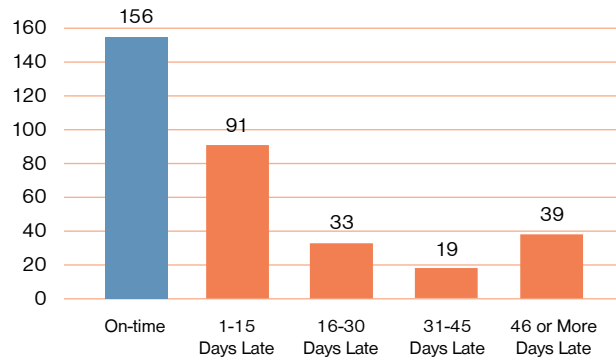
DATA - CORNER

TIMELINESS OF SUBMITTAL OF REPORTS

REPORTS OF PROPOSED DEBT ISSUANCE (RPDI)¹ RECEIVED DECEMBER 2018



REPORTS OF FINAL SALE (RFS)² RECEIVED DECEMBER 2018



DATA UNIT ACTIVITY DECEMBER 2018

- ✓ RECEIVED AND PROCESSED **188** RPDI
- ✓ RECEIVED AND PROCESSED **338** RFS
- ✓ RECEIVED **35** MARKS-ROOS YEARLY FISCAL STATUS REPORTS FOR FY 2017-18
- ✓ RECEIVED **0** MELLO-ROOS YEARLY FISCAL STATUS REPORTS FOR FY 2017-18
- ✓ RECEIVED **154** ANNUAL DEBT TRANSPARENCY REPORTS FOR FY 2017-18

¹ California Government Code Section 8855(i) states that the issuer of any proposed debt issue of state and local government shall, no later than 30 days prior to the sale of any debt issue, submit a report of proposed issuance to the commission by any method approved by the commission.

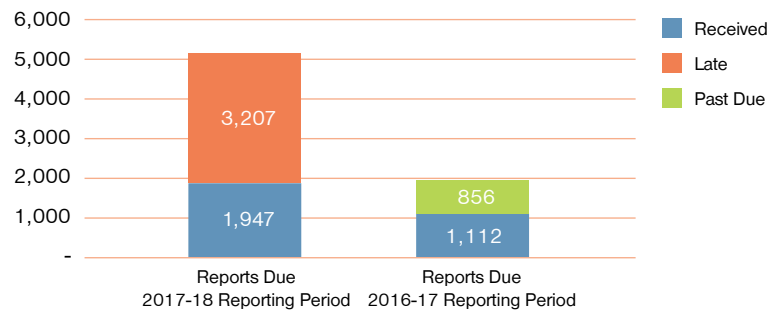
² California Government Code Section 8855(j) states that the issuer of any debt issue of state or local government, not later than 21 days after the sale of the debt, shall submit a report of final sale to the commission by any method approved by the commission.

Annual Debt Transparency Report - Report Submission Status

The figure at right illustrates the number of Annual Debt Transparency Reports (ADTRs) due for the most recent and prior reporting periods, and the status of the reports as of February 1, 2019. *The deadline for submitting the ADTR for the 2017-18 reporting period is January 31st, 2019.*

Due to the cumulative effect of the reporting requirement under the statute, the total number of reports due (5,154) for the 2017-2018 reporting period

ANNUAL DEBT TRANSPARENCY REPORT, REPORT SUBMISSION STATUS
2016-17 AND 2017-18 REPORTING PERIODS¹, AS OF 2/1/2019



has more than doubled from the prior reporting period. The increase would have been substantially larger, if not for the truncation of the initial reporting period by the enactment of SB 1029 in January of 2017. As of February 1, 2019, 38 percent of all outstanding

ADTRs for the 2017-18 reporting period have been submitted. CDIAC's online ADTR submission system is open and ready to receive any unsubmitted reports, including any of the 856 ADTRs with a curable past due status.

DL

¹ California Government Code Section 8855(k) requires that all agencies issuing debt for which a Report of Final Sale was submitted on or after January 21, 2017 to report specific information to the Commission by January 31st of each year until the debt is no longer outstanding.

Top Municipal Financing Team Participants: Calendar Year 2018

Diana Yang, Policy Research Unit

The California Debt and Investment Advisory Commission (CDIAC) receives Reports of Final Sale (RFS) for debt issued by state and local public agencies in California. Annually, CDIAC compiles the data submitted on these reports to reveal California's top municipal financing team participants.

As reported to CDIAC, public debt issuance in general is down in 2018 both in number of deals (-21.6 percent) and volume (-27.9 percent) from 2017. For 2018, CDIAC received 2,843 RFS totaling approximately \$61.7 billion in long-and-short term debt issued by state and local agencies.¹

BOND COUNSELS

NUMBER OF DEALS. Out of the 2,843 deals reported to CDIAC in 2018, 95 percent (2,701) of the deals reported a bond counsel as part of the financing team, a 0.4 percent decline from 2017. For the third consecutive year, Jones Hall A Professional Law Corp (Jones Hall) continued to be Califor-

nia's leading bond counsel firm based on total number of deals in calendar year 2018. Their deals accounted for 27.6 percent of all deals in 2018. This large share of deals can be attributed to their continued role as bond counsel for a majority of Property Assessed Clean Energy (PACE) bonds, which continue to make up a large proportion of the debt issues reported to CDIAC.² Orrick Herrington & Sutcliffe (Orrick) came in second for 2018 in total number of deals, swapping places with Best Best & Kreiger who was second back in 2017 and is now in third for 2018. Stradling Yocca, Carlson & Rauth maintains their fourth placement

¹ Data shown reflects the reports received as of January 16th.

² The PACE program allows a local public agency to issue loans to individual property owners to finance energy efficient improvement projects on their properties.

2017 AND 2018 - TOP BOND COUNSEL FIRMS (BASED ON PAR AMOUNT)¹

BC FIRM	NO. OF DEALS	PAR AMOUNT	% OF TOTAL NO. OF DEALS	% OF TOTAL VOLUME
2017				
Orrick Herrington & Sutcliffe	(3) 665	\$38,424,858,700	18.3%	44.9%
Stradling Yocca Carlson & Rauth	(4) 338	9,853,282,036	9.3	11.5
Jones Hall A Professional Law Corp	(1) 958	9,221,004,058	26.4	10.8
Hawkins Delafield & Wood LLP	75	4,250,491,419	2.1	5.0
Kutak Rock LLP	67	3,509,641,076	1.8	4.1
Squire Patton Boggs (US) LLP	31	3,460,277,535	0.9	4.0
Norton Rose Fulbright US LLP	50	3,435,251,065	1.4	4.0
Nixon Peabody LLP	48	2,526,628,393	1.3	3.0
Quint & Thimmig LLP	(5) 134	1,840,041,063	3.7	2.1
Best Best & Krieger LLP	(2) 812	1,331,650,195	22.4	1.6
All Other Deals	284	5,246,711,751	7.8	6.1
Deals with no BCs Reported	166	2,509,262,950	4.6	2.9
TOTAL ALL DEALS	3,628	\$85,609,100,241	100.0%	100.0%
2018				
Orrick Herrington & Sutcliffe	(2) 553	\$29,881,176,152	19.5%	48.4%
Stradling Yocca Carlson & Rauth	(4) 379	6,079,014,191	13.3	9.8
Jones Hall A Professional Law Corp	(1) 785	4,872,584,733	27.6	7.9
Squire Patton Boggs (US) LLP	27	3,633,300,000	0.9	5.9
Hawkins Delafield & Wood LLP	(5) 66	3,112,756,740	2.3	5.0
Kutak Rock LLP	58	2,911,676,567	2.0	4.7
Nixon Peabody LLP	37	2,580,859,044	1.3	4.2
Norton Rose Fulbright US LLP	56	2,508,622,517	2.0	4.1
Quint & Thimmig LLP	59	894,316,709	2.1	1.4
Best Best & Krieger LLP	(3) 485	798,986,357	17.1	1.3
All Other Deals	196	2,941,720,966	6.9	4.8
Deals with no BCs	142	1,518,960,423	5.0	2.5
TOTAL ALL DEALS	2,843	\$61,733,974,400	100%	100.0%

¹ Data shown was updated as of January 16, 2019.

from 2017 in 2018, and Hawkins Delafield & Wood LLP is fifth.

VOLUME ISSUED. When ranked by volume issued, the rankings produced a different set of leaders. For 2018, Orrick was the leading bond counsel firm with the most volume of debt is-

sued, by participating on 48 percent of the total volume of debt issued in the state in 2018. Compared against the total volume of debt of second place Stradling Yocca Carlson & Rauth, Orrick had four times the debt volume.³ Jones Hall, Squire Patton Boggs (US)

LLP, and Hawkins Delafield & Wood LLP came in at third, fourth, and fifth, respectively.

FINANCIAL ADVISORS

NUMBER OF DEALS. Financial Advisors participated on approximately

³ PACE bond reports received by CDIAC are often and typically issued at very small amounts—amounts usually at between five to six figures.

2017 AND 2018 - TOP FINANCIAL ADVISOR FIRMS (BASED ON PAR AMOUNT)¹

FA FIRM	NO. OF DEALS	PAR AMOUNT	% OF NO. OF DEALS	% OF TOTAL VOLUME
2017				
Public Resources Advisory Group	(2) 224	\$17,805,649,000	6.2%	20.8%
The PFM Group/Public Financial Management Inc	(1) 706	12,414,593,476	19.5	14.5
KNN Public Finance	(5) 130	8,836,726,107	3.6	10.3
Fieldman Rolapp & Associates	(4) 176	4,640,598,388	4.9	5.4
Montague DeRose & Associates LLC	49	3,639,210,743	1.4	4.3
Swap Financial Group LLC	7	2,770,035,000	0.2	3.2
Urban Futures Inc/Isom Advisors	(3) 178	2,530,318,102	4.9	3.0
Backstrom McCarley Berry & Co	24	2,002,703,000	0.7	2.3
Keygent LLC	36	1,560,964,313	1.0	1.8
Dale Scott & Company Inc	77	1,342,121,777	2.1	1.6
All Other Deals	621	15,461,932,207	17.1	18.1
Deals with no FAs Reported	1,400	12,604,248,128	38.6	14.7
TOTAL ALL DEALS	3,628	\$85,609,100,241	100.0%	100.0%
2018				
Public Resources Advisory Group	(2) 152	\$14,946,066,000	5.3%	24.2%
The PFM Group/Public Financial Management Inc	(1) 419	8,013,699,732	14.7	13.0
KNN Public Finance	(5) 100	5,796,635,643	3.5	9.4
Montague DeRose & Associates LLC	46	3,832,812,000	1.6	6.2
Fieldman Rolapp & Associates	(3) 128	2,935,380,880	4.5	4.8
Swap Financial Group LLC	9	2,819,320,000	0.3	4.6
Urban Futures Inc/Isom Advisors	(4) 104	1,870,693,374	3.7	3.0
CSG Advisors	37	1,215,194,580	1.3	2.0
MUFG/Mitsubishi UFG Union Bank	1	1,181,525,000	0.0	1.9
Backstrom McCarley Berry & Co	24	1,048,331,764	0.8	1.7
All Other Deals	480	11,002,952,642	16.9	17.8
Deals with no FAs Reported	1,343	7,071,362,786	47.2	11.5
TOTAL ALL DEALS	2,843	\$61,733,974,400	100.0%	100.0%

¹ Data shown was updated as of January 16, 2019.

52.8 percent of all deals reported to CDIAAC for 2018, down from 61.4 percent in 2017. The PFM Group/Public Financial Management Inc (PFM) was California's leading financial advisory firm in 2018. Alongside deal-leading bond counsel, Jones Hall, PFM is the key financial advisory firm for PACE bonds issued in Riverside and San Bernardino Counties. Public Resources

Advisory Group maintains their second place ranking in 2018 even with their individual deal count dropping by 14.5 percent. Fieldman Rolapp & Associates and Urban Futures Inc/Isom Advisors were third and fourth, respectively. KNN Public Finance ranks fifth based on number of deals with 3.5 percent of all deals reported in 2018.

VOLUME ISSUED. Public Resources Advisory Group leads financial advisors when ranked by total volume of debt issued - nearly a quarter of all debt issued in 2018. PFM, the leading financial advisory by number of deals, was second by volume, advising on 13 percent of debt issued in 2018. KNN Public Finance, Montague DeRose & Associates LLC, and Fieldman Rolapp

2017 AND 2018 - TOP UNDERWRITER FIRMS (BASED ON PAR AMOUNT)¹

UW FIRM	NO. OF DEALS	PAR AMOUNT	% OF NO. OF DEALS	% OF TOTAL VOLUME
2017				
Citigroup Global Markets Inc	(2) 139	\$9,805,416,097	3.8%	11.5%
Goldman Sachs & Company	76	8,139,155,000	2.1	9.5
Stifel Nicolaus & Company Inc	(1) 243	7,781,128,939	6.7	9.1
Morgan Stanley & Co LLC	(5) 100	7,080,915,000	2.8	8.3
Merrill Lynch Pierce Fenner & Smith	55	6,267,038,307	1.5	7.3
RBC Capital Markets LLC	(3) 121	4,163,483,212	3.3	4.9
Barclays Capital Inc	31	3,702,115,000	0.9	4.3
JP Morgan Securities LLC	78	3,495,606,000	2.1	4.1
Bank of America Merrill Lynch	22	3,462,675,000	0.6	4.0
Wells Fargo Bank National Association	52	3,445,780,000	1.4	4.0
Jefferies LLC	7	2,643,350,000	0.2	3.1
Piper Jaffray & Co	(4) 116	2,510,187,889	3.2	2.9
All Other Deals	309	7,360,863,620	8.5	8.6
Deals with no UWs	2,279	15,751,386,176	62.8	18.4
TOTAL ALL DEALS	3,628	\$85,609,100,241	100.0%	100.0%
2018				
Morgan Stanley & Co LLC	(2) 124	\$8,328,235,725	4.4%	13.5%
Merrill Lynch Pierce Fenner & Smith	35	7,248,726,000	1.2	11.7
Citigroup Global Markets Inc	58	6,276,611,505	2.0	10.2
JP Morgan Securities LLC	(5) 70	5,184,714,000	2.5	8.4
Wells Fargo Bank National Association	38	3,409,875,000	1.3	5.5
Stifel Nicolaus & Company Inc	(1) 157	3,315,757,030	5.5	5.4
RBC Capital Markets LLC	(3) 102	3,191,072,217	3.6	5.2
Barclays Capital Inc	18	1,820,475,000	0.6	2.9
Goldman Sachs & Company	24	1,782,346,000	0.8	2.9
Raymond James & Associates Inc	69	1,722,973,736	2.4	2.8
Piper Jaffray & Co	(4) 88	1,574,217,498	3.1	2.6
All Other Deals	170	7,459,610,802	6.0	12.1
Deals with No UWs	1,890	10,419,359,888	66.5	16.9
TOTAL ALL DEALS	2,843	\$61,733,974,400	100.0%	100.0%

¹ Data shown was updated as of January 16, 2019.

& Associates LLC were third, fourth, and fifth, respectively.

UNDERWRITERS

NUMBER OF DEALS. Based on number of deals reported to CDIAC in

2018, only 33.5 percent reported an underwriter, down over 10 percent from 2017. Stifel Nicolaus & Company LLC maintained their top spot again in 2018 as the top underwriters in California by number of deals. Morgan Stanley & Co LLC moves up

to second from their fifth placement in 2017, increasing their deal count approximately 24 percent. RBC Capital Markets (RBC) and Piper Jaffray & Co maintain their third and fourth places from 2017. JP Morgan Securities LLC comes in the fifth spot.

VOLUME ISSUED. Morgan Stanley & Co LLC led all underwriters by participating in the issuance of over \$8 billion or 13.5 percent of public debt issued in 2018. Merrill Lynch Pierce

Fenner & Smith was second, increasing their share of total volume issued in 2018 by 4.4 percent. Citigroup Global Markets ranks third with just over 10 percent of total volume. While

JP Morgan Securities LLC and Wells Fargo Bank National Association were fourth and fifth, respectively. **DL**

SAVE THE DATE

CDIAC Webinars, Seminars, and Conferences

FEBRUARY

FEBRUARY 12-14, 2019

Municipal Debt Essentials
Riverside, CA

www.treasurer.ca.gov/cdiac/seminars.asp

FEBRUARY 21, 2019

Understanding Cash Flow and Cash Flow Forecasting
Webinar: 10:00 AM to 11:30 AM PST
www.treasurer.ca.gov/cdiac/seminars.asp

FEBRUARY 28, 2019

Understanding Benchmarking
Webinar: 10:00 AM to 11:30 AM PST
www.treasurer.ca.gov/cdiac/seminars.asp

Other Seminars and Conferences

FEBRUARY

FEBRUARY 11-15, 2019

Government Finance Officers Association
CPE-Accredited Seminar Series
Newport Beach, CA

www.gfoa.org

FEBRUARY 25-27, 2019

California's Coalition for Adequate School Housing
Annual Conference
Sacramento, CA
www.cashnet.org

FEBRUARY 26-28, 2019

Association of California Water Agencies
Annual Washington DC Conference
Washington, DC
www.acwa.com

MARCH

MARCH 7-8, 2019

National Association of Bond Lawyers
17th Annual Tax & Securities Law Institute
Bonita Springs, FL
www.nabl.org

MARCH 8-12, 2019

American Society for Public Administration
Annual Conference
Washington, DC
www.aspanet.org

MARCH 20-22, 2019

Government Investment Officers Association
15th Annual Conference
Las Vegas, NV
www.gioa.us

APRIL

APRIL 15-18, 2019

California Association of School Business Officials
Annual Conference & California School Business Expo
San Diego, CA
www.casbo.org

APRIL 17-19, 2019

California Municipal Treasurers Association
Annual Conference
San Diego, CA
www.cmta.org

APRIL 24, 2019

League of California Cities
Legislative Action Day
Sacramento, CA
www.cacities.org

APRIL 24-26, 2019

National Association of Bond Lawyers
Fundamentals of Municipal Bond Law Seminar
Chicago, IL
www.nabl.org

MAY

MAY 7-10, 2019

Association of California Water Agencies
Spring Conference and Exhibition
Monterey, CA
www.acwa.com

MAY 7-10, 2019

National Federation of Municipal Analysts
Annual Conference
Charleston, SC

www.nfma.org

MAY 8-10, 2019

League of California Cities
City Attorneys' Spring Conference
Monterey, CA

www.cacities.org

MAY 19-22, 2019

Government Finance Officers Association
Annual Conference
Los Angeles, CA

www.gfoa.org

MAY 21-22, 2019

California Special Districts Association
Special Districts Legislative Days
Sacramento, CA

www.csda.net

JUNE

JUNE 11-14, 2019

California Association of County
Treasurers and Tax Collectors
Annual Conference
Long Beach, CA

www.cacttc.org

JULY

JULY 14-17, 2019

Association of Public Treasurers
of the United States and Canada
Annual Conference
Oklahoma City, OK

www.apusc.org

AUGUST

AUGUST 17-21, 2019

National Association of State Auditors
Comptrollers and Treasurers
Annual Conference
Scottsdale, AZ

www.nasact.org

AUGUST 21-23, 2019

California Association of Sanitation Agencies
Annual Conference
San Diego, CA

www.casaweb.org

DL

Organizations may submit information on future educational seminars, meetings, or conferences by contacting cdiac_education@treasurer.ca.gov. Publication of announcements is subject to space limitations.

Regulatory Activity Calendar

FEBRUARY 2019

- 1 The MSRB launched a pilot of the proposed Series 54 examination from February 2019 through June 2019. The Series 54 exam is part of the proposed amendments to MSRB Rule G-3 filed with the SEC on September 19, 2018. [Additional Information](#)
- 27 Compliance date for amendments to SEC Rule 15c2-12. The amendments consist of two additional reportable events: 1. Incurrence of a financial obligation of the issuer or obligated person, if material, or agreement to covenants, events of default, remedies, priority rights, or other similar terms of a financial obligation of the issuer or obligated person, any of which affect security holders, if material; and, 2. Default, event of acceleration,

termination event, modification of terms, or other similar events under the terms of the financial obligation of the issuer or obligated person, any of which reflect financial difficulties. Language must be included in CDAs for municipal bond issues on and after that date. Material events occurring after this date must be filed on EMMA. [Final Rule](#).

MARCH 2019

- 1 The deadline for comments and requests for public hearing to be received by the IRS for proposed regulations regarding when tax-exempt bonds are treated as retired for purposes of sections 103 and 141 through 150 of the Internal Revenue Code. [Federal Register Notice](#).

APRIL 2019

- 1 Effective date for final regulations that updated public approval require-

ments for tax exempt private activity bonds. The Final Regulations reduce the required notice period from 14 days to 7 days and allows notices to be posted on a governmental unit's public website in addition to newspaper and radio notices. The final regulations do not include the requirement that there be an alternative method of obtaining the information in a website notice. [Federal Register Notice](#).

JUNE 2019

- 30 Amendments to the MSRB electronic form G-45 become effective. The SEC approved the amendments on December 12, 2018 to the form under MSRB Rule G-45 (reporting of information on municipal fund securities) to modify and clarify certain investment option data elements that the MSRB collects under Rule G-45 from underwriters to 529 savings plans and ABLE programs. [Read the notice](#). DL