





Gavin Newsom, Governor

**Board for Professional Engineers** nd Surveyors, and Geologi

# Meeting of the Board for Professional Engineers, Land Surveyors, and Geologists

Thursday, December 8, 2022, beginning at 9:00 a.m., and continuing Friday, December 9, 2022, beginning at 9:00 a.m., if necessary

> Department of Consumer Affairs 1625 North Market Blvd. Hearing Room, South, #102 Sacramento, CA 95834

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#### **BOARD MEETING**

#### DECEMBER 8-9, 2022

#### Department of Consumer Affairs 1625 North Market Blvd., Hearing Room #102 Sacramento, CA 95834

#### **BOARD MEMBERS**

President Rossana D'Antonio; Vice-President Michael Hartley; Fel Amistad; Alireza Asgari; Duane Friel; Kathy Jones Irish; Coby King; Betsy Mathieson; Paul Novak; Mohammad Qureshi; Frank Ruffino; Wilfredo Sanchez; and Christina Wong

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### I. Roll Call to Establish a Quorum

### II. Pledge of Allegiance

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## VI. Report from the Department of Consumer Affairs (DCA) on Departmental Activities

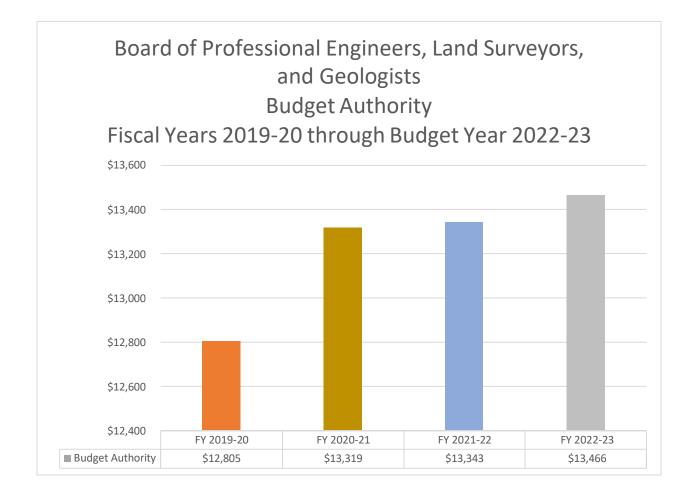
#### VII. Administration

- A. Fiscal Year 2021/22 Year-End SummaryB. Fiscal Year 2022/23 Budget Report

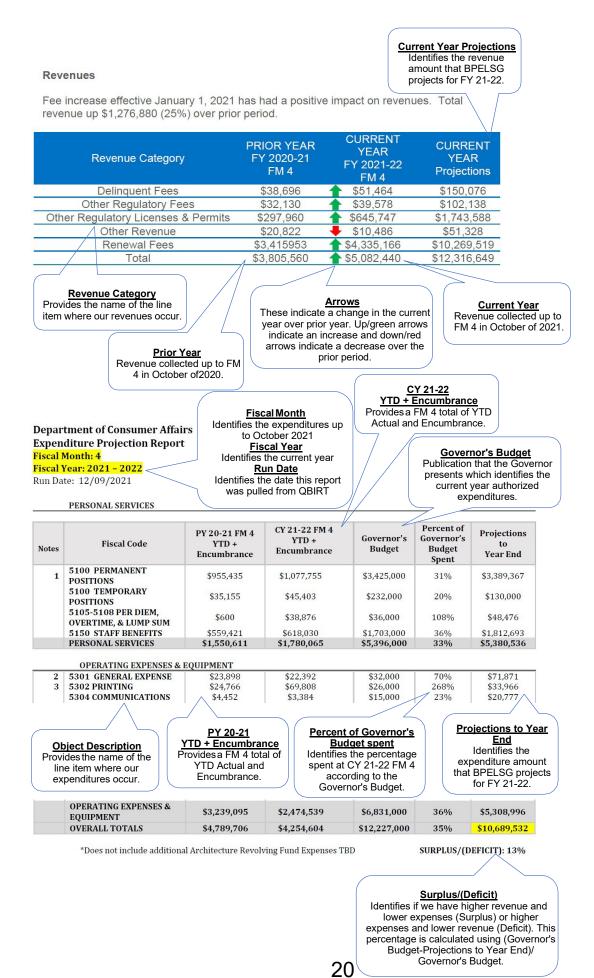
## FINANCIAL REPORT

## **BUDGET AUTHORITY**

The Board's Budget Authority for fiscal year (FY) 2022-23 is \$13,466,000 (1% increase over FY 2021-22). Board actual expenditures for FY 2021-22 were 90% of Budget Authority.



BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS 19



#### Department of Consumer Affairs Expenditure Projection Report Fiscal Month: 13 Fiscal Year: 2021 – 2022 Run Date: 10/28/2022

#### PERSONAL SERVICES

Notes	Fiscal Code	PY 20-21 FM 13 YTD + Encumbrance	CY 21-22 FM 13 YTD + Encumbrance	Governor's Budget	Percent of Governor's Budget Spent	Projections to Year End
1	5100 PERMANENT POSITIONS	\$2,889,399	\$3,332,807	\$3,589,000	93%	\$3,332,807
	5100 TEMPORARY POSITIONS	\$117,593	\$135,804	\$232,000	59%	\$135,804
	5105-5108 PER DIEM, OVERTIME, & LUMP SUM	\$11,581	\$81,423	\$36,000	226%	\$81,423
	5150 STAFF BENEFITS	\$1,654,806	\$1,872,789	\$1,776,000	105%	\$1,872,789
	PERSONAL SERVICES	\$4,673,379	\$5,422,833	\$5,633,000	96%	\$5,422,833

#### **OPERATING EXPENSES & EQUIPMENT**

	OF ERATING EXPENSES & EQUIPMENT					
2	5301 GENERAL EXPENSE	\$73,473	\$79,831	\$32,000	249%	\$79,831
3	5302 PRINTING	\$44,218	\$88,647	\$26,000	341%	\$88,647
	5304 COMMUNICATIONS	\$21,489	\$17,781	\$15,000	119%	\$17,781
	5306 POSTAGE	\$26,378	\$25,640	\$36,000	71%	\$25,640
	5308 INSURANCE	\$641	\$83	\$0	0%	\$83
	53202-204 IN STATE TRAVEL	\$543	\$12,726	\$22,000	58%	\$12,726
	53206-208 OUT OF STATE TRAVEL	\$0	\$1,199	\$0	0%	\$1,199
	5322 TRAINING	\$0	\$2,000	\$15,000	13%	\$2,000
4	5324 FACILITIES*	\$758,293	\$561,821	\$377,000	149%	\$561,821
5	53402-53403 C/P SERVICES (INTERNAL)	\$794,105	\$769,427	\$696,000	111%	\$769,427
6	53404-53405 C/P SERVICES (EXTERNAL)	\$2,295,647	\$1,987,200	\$3,324,000	60%	\$1,987,200
7	5342 DEPARTMENT PRORATA	\$1,547,520	\$1,762,424	\$1,935,000	91%	\$1,762,424
8	5342 DEPARTMENTAL SERVICES	\$16,269	\$25,247	\$27,000	94%	\$25,247
	5344 CONSOLIDATED DATA CENTERS	\$41,854	\$11,383	\$22,000	52%	\$11,383
	5346 INFORMATION TECHNOLOGY	\$110,587	\$170,071	\$166,000	102%	\$170,071
	5362-5368 EQUIPMENT	\$27,475	\$53,080	\$0	0%	\$53,080
9	5390 OTHER ITEMS OF EXPENSE	\$0	\$0	\$3,000	0%	\$0
	54 SPECIAL ITEMS OF EXPENSE	\$1,853	\$4,106	\$0	0%	\$4,106
	<b>OPERATING EXPENSES &amp; EQUIPMENT</b>	\$5,760,344	\$5,572,665	\$6,696,000	83%	\$5,572,665
	OVERALL TOTALS	\$10,433,723	\$10,995,498	\$12,329,000	89%	<mark>\$10,995,498</mark>

After our October 2022 Board Meeting Materials were prepared, we received notice from accounting that there has been a revision to the totals of the FM 13 QBIRT Expenditure Report. After further review and discussions with accounting, the differences we see are due to a delay in invoices that were received in Fiscal Code 53404-53405 C/P Services (External) on line item 5340490000 Information Technology. Due to the delay, these invoices were paid in Current Year 2022-23 but with Prior Year 2021-22 funds. Our total expenses for Prior Year 2021-22 FM 13 is \$10,995,498 which is 90% of the Governor's Budget Spent (excluding reimbursements).

## FINANCIAL REPORT

## FISCAL YEAR 2022-23 FISCAL MONTH 3 FINANCIAL STATEMENT

#### Revenues

Fee increase effective January 1, 2021, and significant increase in initial application volume has had a positive impact on revenues. Total revenue down \$3,073,601 (-9%) over prior year. Current Fiscal Year 2022-23 is a low volume year for renewals.

Revenue Category	PRIOR YEAR FY 2021-22 FM 3	CURRENT YEAR FY 2022-23 FM 3	CURRENT YEAR FY 2022-23 PROJECTION
Delinquent Fees	\$39,514	\$42,614	\$150,044
Other Regulatory Fees	\$28,278	\$24,060	\$117,586
Other Regulatory Licenses & Permits	\$562,617	\$499,081	\$1,638,188
Other Revenue	\$4,159	\$6,169	\$16,156
Renewal Fees	\$2,723,530	\$2,501,678	\$9,081,441
Total	\$3,358,096	\$3,073,601	\$11,003,811

There was a significant increase in FY 2021-22 initial application volume and revenue over prior years. The increase in revenue is due to the fee increase effective January 2021, and the uptick in volume of initial applications received. The current year projections do not assume the increase in volume will continue to trend up and the projections are based on the average of applications received over a five-year lookback period.

Reimbursements totaled \$18,954 including \$16,954 for background checks and \$2,000 in cost recovery. Background check expenses are included in the General Expense category.

FY 2021-22 includes \$2,650,380 Revenue in advance. FY 2022-23 includes \$2,301,833 Revenue in advance.

#### Department of Consumer Affairs Expenditure Projection Report Fiscal Month: 3 Fiscal Year: 2022 – 2023 Run Date: 11/03/2022

#### PERSONAL SERVICES

Notes	Fiscal Code	PY 21-22 FM 3 YTD + Encumbrance	CY 22-23 FM 3 YTD + Encumbrance	Governor's Budget	Percent of Governor's Budget Spent	Projections to Year End
1	5100 PERMANENT POSITIONS	\$813,630	\$830,166	\$3,589,000	23%	\$3,529,367
	5100 TEMPORARY POSITIONS	\$34,529	\$30,999	\$232,000	13%	\$115,000
	5105-5108 PER DIEM, OVERTIME, & LUMP SUM	\$37,576	\$2,700	\$36,000	8%	\$28,104
	5150 STAFF BENEFITS	\$473,270	\$515,011	\$1,790,000	29%	\$2,040,846
	PERSONAL SERVICES	\$1,359,006	\$1,378,875	\$5,647,000	24%	\$5,713,317

#### **OPERATING EXPENSES & EQUIPMENT**

	OF ERATING EAF ENSES & EQUIT MENT					
2	5301 GENERAL EXPENSE	\$13,885	\$34,855	\$32,000	109%	\$80,000
3	5302 PRINTING	\$795	\$51,937	937 \$26,000 200%		\$87,000
	5304 COMMUNICATIONS	\$2,165	\$1,912	\$15,000	13%	\$18,000
	5306 POSTAGE	\$1,462	\$2,343	\$36,000	7%	\$26,000
	5308 INSURANCE	\$0	\$0	\$0	0%	\$100
	53202-204 IN STATE TRAVEL	\$0	\$4,636	\$22,000	21%	\$13,000
	53206-208 OUT OF STATE TRAVEL	\$0	\$0	\$0	0%	\$2,500
	5322 TRAINING	\$1,000	\$0	\$15,000	0%	\$1,000
4	5324 FACILITIES*	\$113,814	\$434,341	\$377,000	115%	\$540,832
5	53402-53403 C/P SERVICES (INTERNAL)	\$134,819	\$155,991	\$871,000	18%	\$731,546
6	53404-53405 C/P SERVICES (EXTERNAL)	\$784,009	\$1,650,071	\$3,280,000	50%	\$1,698,100
7	5342 DEPARTMENT PRORATA	\$947,000	\$945,000	\$1,886,000	50%	\$1,886,000
8	5342 DEPARTMENTAL SERVICES	\$25	\$257	\$27,000	1%	\$26,000
	5344 CONSOLIDATED DATA CENTERS	\$22	\$18	\$22,000	0%	\$13,000
	5346 INFORMATION TECHNOLOGY	\$7,840	\$25,355	\$166,000	15%	\$65,900
	5362-5368 EQUIPMENT	\$14,588	\$14,588	\$0	0%	\$57,000
9	5390 OTHER ITEMS OF EXPENSE	\$0	\$12	\$3,000	0%	\$50
	54 SPECIAL ITEMS OF EXPENSE	\$0	\$0	\$0	0%	\$4,100
	<b>OPERATING EXPENSES &amp; EQUIPMENT</b>	\$2,021,423	\$3,321,316	\$6,778,000	49%	\$5,250,128
	OVERALL TOTALS	\$3,380,429	\$4,700,192	\$12,425,000	38%	<mark>\$10,963,445</mark>

### **Expenditure Report Notes**

- **1 Salary & Wages (Staff) -** The projected expenditures for salaries and wages is due to the Board almost being fully staffed, additional merit salary adjustments, and new bargaining unit agreements. The Board has the following vacancies: 1.0 OT, and 1.0 Senior Registrar.
- **2 General Expenses** Includes Membership and Subscription Fees, Freight and Drayage, Office Equipment Maintenance, Office Supplies, and DOJ and FBI fees for background checks which are reimbursed. Scheduled background check reimbursements through FM 3 are \$16,954.
- **3 Printing -** Contract with EDD expired June 30, 2020. Historically EDD billing for printing services was delayed up to 18 months.
- **4 Facilities Operations -** Includes facilities maintenance, facilities operations, janitorial Services, rent and leases, exam rental sites, security, COVID-19 sanitation, and tenant improvements with DGS in a support planning role from the ARF Deposit.
- **5 C&P Services Interdepartmental** Includes all contract services with other state agencies for examination services (Dept. of Conservation and Water Resources). This line item also now includes enforcement expenses for the Attorney General and the Office of Administrative Hearings.
- 6 C&P Services External Includes all external contracts (examination development, expert consultant agreements, and credit card processing). This line also includes our executed agreements for our business modernization project (system developer. project management, oversight, and software license subscription services). In FM 3, we have higher than expected Legal and Witness Fees.
- **7 DCA Pro Rata -** Includes distributed costs of programmatic and administrative services from DCA.
- 8 Departmental Services (Interagency Services) Includes pay-per-services billed through the Department of General Services.

## 0770 - Professional Engineer's, Land Surveyor's and Geologist's Fund Analysis of Fund Condition

(Dollars in Thousands)

PY 21-22 Actuals & CY 22-23 FM 3 Projections		Actual 2021-22	2	CY 022-23	2	BY 2023-24	2	BY+1 2024-25
BEGINNING BALANCE Prior Year Adjustment	\$ \$	2,351 653	\$ \$	3,404	\$ \$	2,522	\$ \$	2,063
Adjusted Beginning Balance	\$	3,004	\$	3,404	\$	2,522	\$	2,063
REVENUES, TRANSFERS AND OTHER ADJUSTMENTS Revenues:								
4121200 Delinquent fees	\$	149	\$	150	\$	152	\$	152
4127400 Renewal fees	\$	10,142	\$	9,081	\$	9,886	\$	9,353
4129200 Other regulatory fees	\$	131	\$	118	\$	124	\$	124
4129400 Other regulatory licenses and permits	\$	2,064	\$	1,638	\$	1,600	\$	1,600
4163000 Income from surplus money investments	\$	26	\$	27	\$	2	\$	-
4171400 Escheat of unclaimed checks and warrants	\$	15	\$	16	\$	15	\$	16
4172500 Miscellaneous revenues	\$	1	\$	1	\$	1	\$	1
Totals, Revenues	\$	12,528	\$	11,031	\$	11,780	\$	11,246
Operating Transfers to General Fund per EO E 21/22 - 276 Revised (AB 84)	\$	-385	\$		\$	-	\$	-
Totals, Transfers and Other Adjustments	\$	12,143	\$	11,031	\$	11,780	\$	11,246
Totals, Revenues, Transfers and Other Adjustments	\$	15,147	\$	14,435	\$	14,302	\$	13,310
EXPENDITURES								
Disbursements:								
1111 Department of Consumer Affairs (State Operations)	\$	10,878	\$	10,855	\$	11,181	\$	11,516
9892 Supplemental Pension Payments (State Operations)	\$	209	\$	209	\$	209	\$	209
9900 Statewide General Administrative Expenditures (Pro Rata)		656		849		849		849
(State Operations)	\$ \$		\$		\$		\$	
Less funding provided by General Fund (State Operations)			\$	-	\$	-	\$	-
Total Disbursements	\$	11,743	\$	11,913	\$	12,239	\$	12,574
FUND BALANCE Reserve for economic uncertainties	\$	3,404	\$	2,522	 \$	2,063	\$	736
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Months in Reserve		3.4		2.5		2.0		0.7

#### NOTES:

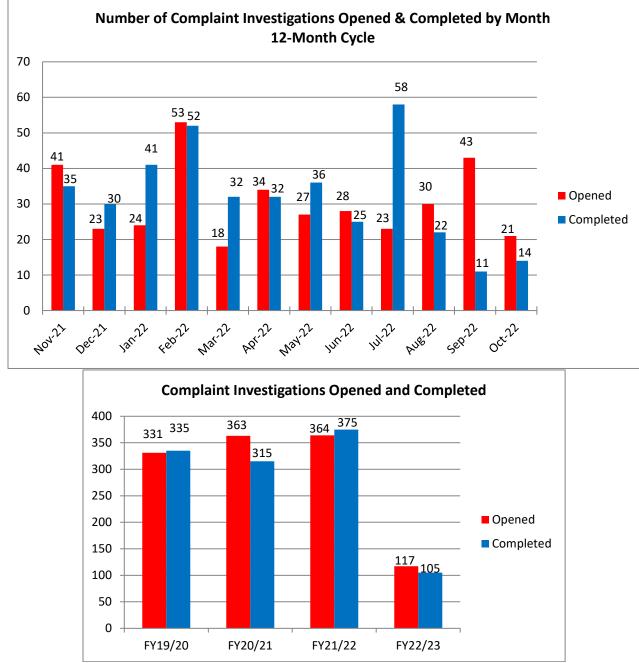
A. ASSUMES WORKLOAD AND REVENUE PROJECTIONS ARE REALIZED IN BY+1 AND ON-GOING.

B. ASSUMES APPROPRIATION GROWTH OF 3% PER YEAR BEGINNING IN BY+1

#### **Enforcement** VIII.

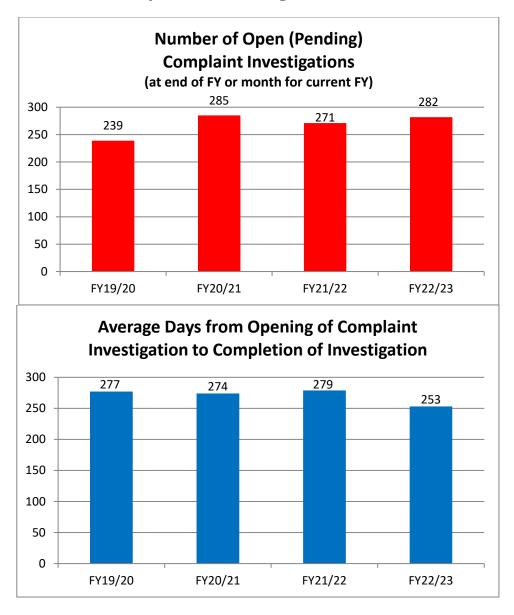
- A. Enforcement Statistical Reports1. Fiscal Year 2022/23 Update

### **Complaint Investigation Phase**



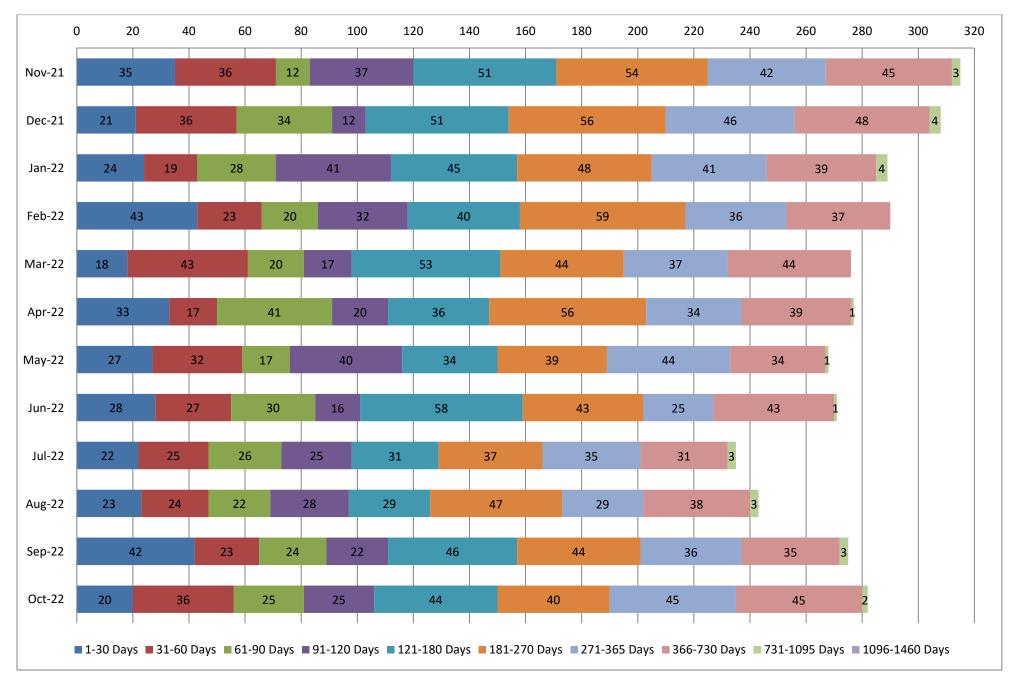
NOTE: FY22/23 statistics are through October 31, 2022

## **Complaint Investigation Phase**

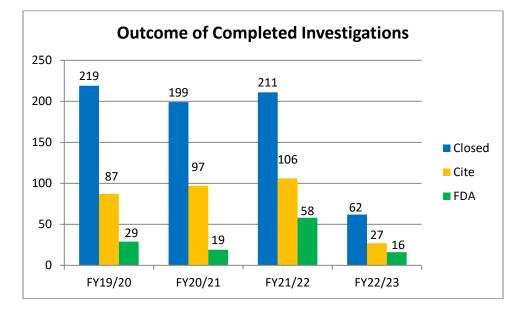


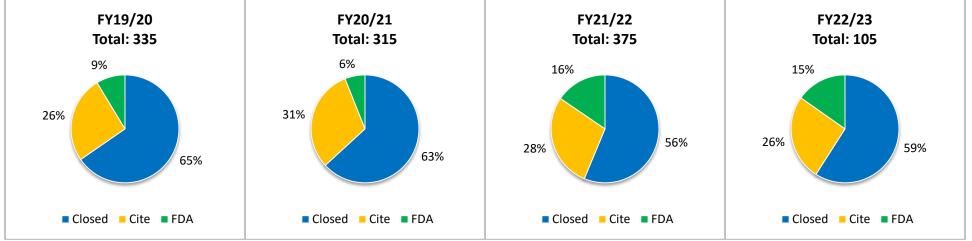
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## **Complaint Investigation Phase** Aging of Open (Pending) Complaint Investigation Cases – 12-Month Cycle



## **Complaint Investigation Phase** Outcome of Completed Investigations





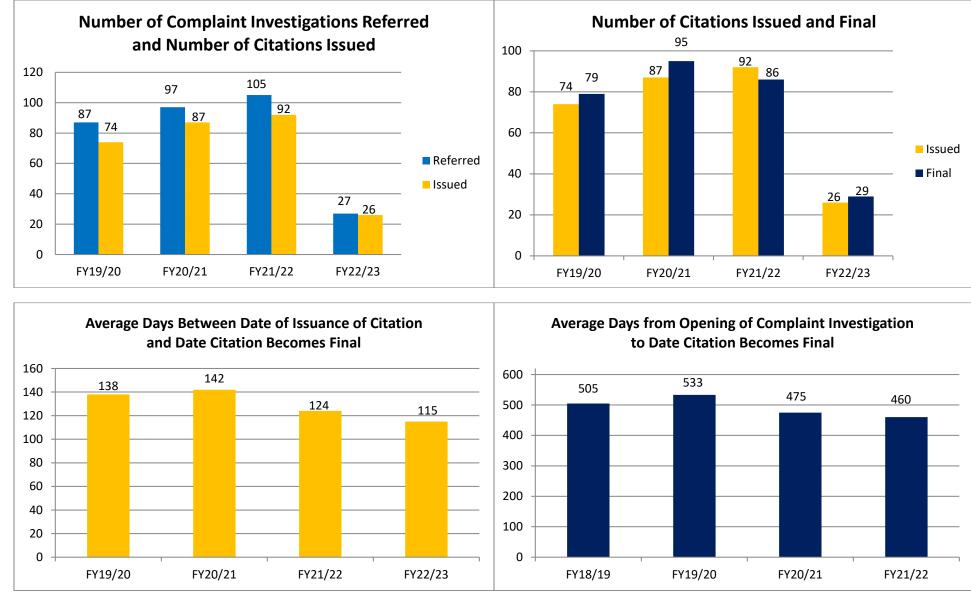
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Closed with No Action Taken, includes No Violation/Insufficient Evidence; Compliance Obtained; Warning Letter; Other Reason for Closing Without Action (e.g., subject deceased); Resolved After Initial Notification; Referred to District Attorney with Request to File Criminal Charges; and Mediated.

Cite = Referred for Issuance of Citation

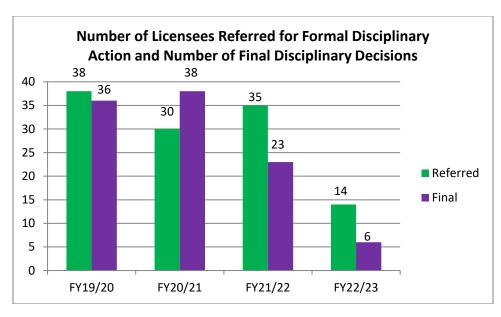
FDA = Referred for Formal Disciplinary Action

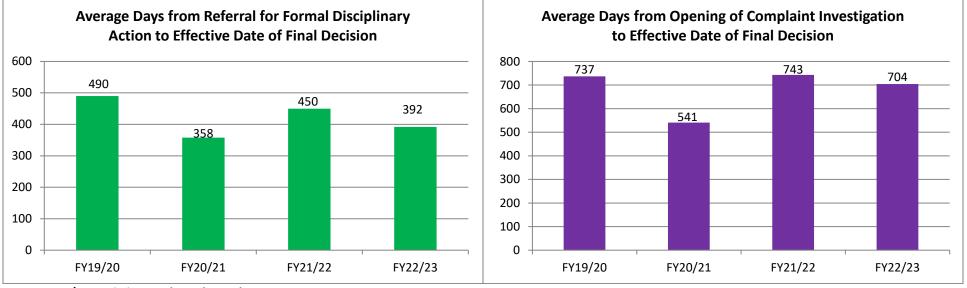
### **Citations (Informal Enforcement Actions)**



NOTE: FY22/23 statistics are through October 31, 2022

## Formal Disciplinary Actions Against Licensees





NOTE: FY22/23 statistics are through October 31, 2022

## **Complaint Investigation Phase**

12-Month Cycle					
Month	Complaint Investigations	Complaint Investigations			
	Opened	Completed			
November 2021	41	35			
December 2021	23	30			
January 2022	24	41			
February 2022	53	52			
March 2022	18	32			
April 2022	34	32			
May 2022	27	36			
June 2022	28	25			
July 2022	23	58			
August 2022	30	22			
September 2022	43	11			
October 2022	21	14			

#### Number of Complaint Investigations Opened & Completed by Month 12-Month Cycle

#### Complaint Investigations Opened and Completed Total by Fiscal Year

Fiscal Year	Complaint Investigations Opened	Complaint Investigations Completed
2019/20	331	335
2020/21	363	315
2021/22	336	350
2022/23	117	105

Current Fiscal Year through October 31, 2022

#### Number of Open (Pending) Complaint Investigations (at end of FY or month for current FY)

Fiscal Year	Number of Open (Pending) Complaint Investigations
2019/20	239
2020/21	285
2021/22	268
2022/23	282

Current Fiscal Year through October 31, 2022

### **Complaint Investigation Phase**

#### Average Days from Opening of Complaint Investigation to Completion of Investigation (at end of FY or month for current FY)

Fiscal Year	Average Days			
2019/20	277			
2020/21	274			
2021/22	278			
2022/23	253			

Current Fiscal Year through October 31, 2022

#### **Outcome of Completed Investigations**

Fiscal Year	# Closed	% Closed	# Cite	% Cite	# FDA	% FDA
2019/20	219	65%	87	29%	29	9%
2020/21	199	63%	97	31%	19	6%
2021/22	191	55%	102	29%	57	16%
2022/23	62	59%	27	26%	16	15%

Current Fiscal Year through October 31, 2022

Closed = Closed with No Action Taken, includes No Violation/Insufficient Evidence; Compliance Obtained; Warning Letter; Other Reason for Closing Without Action (e.g., subject deceased); Resolved After Initial Notification; Referred to District Attorney with Request to File Criminal Charges; and Mediated. Cite = Referred for Issuance of Citation

FDA = Referred for Formal Disciplinary Action

# **Complaint Investigation Phase**

					nin Cyc					
Month	0-30 Days	31-60 Days	61-90 Days	91-12 Days	121- 180 Days	181- 270 Days	271- 365 Days	1-2 Years	2-3 Years	3-4 Years
November 2021	35	36	12	37	51	54	42	45	3	0
December 2021	21	36	34	12	51	56	46	48	4	0
January 2022	24	19	28	41	45	48	41	39	4	0
February 2022	43	23	20	32	40	59	36	37	0	0
March 2022	18	43	20	17	53	44	37	44	0	0
April 2022	33	17	41	20	36	56	34	39	1	0
May 2022	27	32	17	40	34	39	44	34	1	0
June 2022	28	27	30	16	58	43	25	43	1	0
July 2022	22	25	26	25	31	37	35	31	3	0
August 2022	23	24	22	28	29	47	29	38	3	0
September 2022	42	23	24	22	46	44	36	35	3	0
October 2022	20	36	25	25	44	40	45	45	2	0

#### Aging of Open (Pending) Complaint Investigation Cases 12-Month Cycle

# **Citations (Informal Enforcement Actions)**

# Number of Complaint Investigations Referred and Number of Citations Issued

Fiscal Year	Complaint Investigations Referred for Issuance of Citation	Citations Issued
2019/20	87	74
2020/21	97	87
2021/22	105	87
2022/23	27	26

Current Fiscal Year through October 31, 2022

#### Number of Citations Issued and Final

Fiscal Year	Issued	Final
2019/20	74	79
2020/21	87	95
2021/22	87	85
2022/23	26	29

Current Fiscal Year through October 31, 2022

# Average Days Between Date of Issuance of Citation and Date Citation Becomes Final

Fiscal Year	Number of Days
2019/20	138
2020/21	142
2021/22	125
2022/23	115

Current Fiscal Year through October 31, 2022

# Average Days from Opening of Complaint Investigation to Date Citation Becomes Final

Fiscal Year	Number of Days
2019/20	505
2020/21	533
2021/22	475
2022/23	460

Current Fiscal Year through October 31, 2022

# **Formal Disciplinary Actions Against Licensees**

# Number of Licensees Referred for Formal Disciplinary Action and Number of Final Disciplinary Decisions

Fiscal Year	Number of Licensees Referred for Formal Disciplinary Action	Number of Final Disciplinary Decisions
2019/20	38	35
2020/21	30	38
2021/22	32	19
2022/23	14	6

Current Fiscal Year through October 31, 2022

# Average Days from Referral for Formal Disciplinary Action to Effective Date of Final Decision

Fiscal Year	Number of Days
2019/20	490
2020/21	358
2021/22	419
2022/23	392

Current Fiscal Year through October 31, 2022

# Average Days from Opening of Complaint Investigation to Effective Date of Final Decision

Fiscal Year	Number of Days
2019/20	737
2020/21	541
2021/22	747
2022/23	704

Current Fiscal Year through October 31, 2022

# IX. Exams/Licensing

- A. Examination/Licensing Updates
- B. Presentation from Prometric, Inc., Regarding Civil Engineer Occupational Analysis
- C. Adoption of Test Plan Specifications for the California Civil Engineering Surveying and Civil Seismic Principles Examinations (Possible Action)

I. Seismic Data and Seismic Design Criteria       8         Professional Activities:       1         1. Practice in accordance to codes and standards governing seismic design       2         2. Identify design performance requirements for a project       3	3%
1. Practice in accordance to codes and standards governing seismic design	J/U
2. Identify design performance requirements for a project	
3. Determine site-related coefficients	
4. Determine effects of site characteristics on a structure	
5. Determine Seismic Design Category	
Test questions on these professional activities may include one or more of the following:	
A. Seismic hazards and geotechnical data that affect design, including liquefaction and site	
classification	
B. Site-related seismic coefficients	
C. Applicable codes for civil engineering seismic design and construction (e.g., design code	
philosophy, construction document design data)	
D. Seismic Design Categories	
E. Risk category based on nature of occupancy	
II. Seismic Characteristics of Engineered System 8	3%
5 7	370
Professional Activities:	
1. Select appropriate seismic force-resisting systems	
2. Identify effects of structural characteristics on seismic design/performance	
3. Combine lateral force resisting systems	
Test questions on these professional activities may include one or more of the following:	
A. The different structural systems, their design parameters and limitations	
B. Requirements for structures with horizontal irregularities	
C. Requirements for structures with vertical irregularities	
D. P-Delta effects and drift (e.g., story drift, displacement, deflection)	
E. Required building separation and setback	
F. Effects of redundancy, ductility and damping on seismic performance	
III. Seismic Vulnerability and Improvement of Structural Systems 6	5%
Professional Activities:	
1. Evaluate vulnerability of structures with previous poor seismic performance	
2. Evaluate post-earthquake structural safety	
3. Determine methods for improving seismic performance of existing structures	
Test questions on these professional activities may include one or more of the following:	
A. Anchorage and stability in existing unreinforced masonry (URM) bearing wall buildings	
B. Critical connections in precast concrete structures	
C. Critical connections and supports in cast-in-place concrete structures (e.g., punching shear)	
D. Diaphragm to wall connection failures (e.g., in tilt-up buildings, in masonry buildings)	
E. Critical connections in steel braced frame structures (e.g., buckling, brittle)	
F. Critical connections in and design characteristics of steel moment frames (e.g., welded, beam to	
column)	
G. Assessment and identification of post-earthquake damage and risk	
H. Methods and effects of improving seismic performance on existing structures	
I. Methods and effects of improving the performance of brittle elements in structural systems (e.g.,	
increasing ductility, adding stiffness)	
J. Methods and effects of strengthening connections in structural elements	

IV. Seismic Forces: Building Structures	26%
Professional Activities:	
1. Determine structural characteristics required to calculate seismic design forces	
2. Determine seismic design forces for structures	
3. Perform vertical distribution of seismic forces for structures	
4. Determine seismic diaphragm forces	
5. Determine seismic forces for structural elements	
Test questions on these professional activities may include one or more of the following:	
A. Mass and stiffness	
B. Methods to determine the structure's fundamental period	
C. Combination of seismic force-resisting systems (e.g., vertical combinations, two-stage analysis,	
horizontal combinations)	
D. Seismic base shear	
E. Vertical seismic force distribution	
F. Seismic design forces on diaphragms	
G. Seismic design forces on structural elements	
H. Out-of-plane seismic forces on structural elements	
I. Structural wall seismic anchorage forces	
V. Seismic Forces: Non-Building Structures, Components, and Equipment	14%
Professional Activities:	
1. Determine seismic forces for non-structural building components and equipment	
2. Determine seismic forces for non-building structures	
Test questions on these professional activities may include one or more of the following:	
A. Mass and stiffness	
B. Methods to determine the structure's fundamental period	
C. Seismic Design Data and Criteria for nonbuilding structures and nonstructural components	
D. Seismic design base shear of nonbuilding structures	
E. Rigid nonbuilding structures	
F. Seismic Design Force for nonstructural components lateral force formulas	
VI. Seismic Analysis Procedures	26%
Professional Activities:	
1. Perform analysis of seismic force resisting systems	
2. Perform the distribution of seismic forces to structural elements	
3. Perform the seismic analysis of diaphragms (e.g., rigid and flexible)	
3. Perform the seismic analysis of diaphragms (e.g., rigid and flexible) Test questions on these professional activities may include one or more of the following:	
Test questions on these professional activities may include one or more of the following:	
Test questions on these professional activities may include one or more of the following: A. Application of seismic load effects in load combinations	
Test questions on these professional activities may include one or more of the following: A. Application of seismic load effects in load combinations B. Seismic forces applied to structural elements within the load path	
<ul> <li>Test questions on these professional activities may include one or more of the following:</li> <li>A. Application of seismic load effects in load combinations</li> <li>B. Seismic forces applied to structural elements within the load path</li> <li>C. Seismic force distribution to vertical elements of the lateral load resisting system</li> </ul>	
<ul> <li>Test questions on these professional activities may include one or more of the following:</li> <li>A. Application of seismic load effects in load combinations</li> <li>B. Seismic forces applied to structural elements within the load path</li> <li>C. Seismic force distribution to vertical elements of the lateral load resisting system</li> <li>D. Deflection and drift requirements of diaphragms and structural elements</li> </ul>	
<ul> <li>Test questions on these professional activities may include one or more of the following:</li> <li>A. Application of seismic load effects in load combinations</li> <li>B. Seismic forces applied to structural elements within the load path</li> <li>C. Seismic force distribution to vertical elements of the lateral load resisting system</li> <li>D. Deflection and drift requirements of diaphragms and structural elements</li> <li>E. Diaphragm force distribution to structural elements (e.g., chord forces, drag forces, diaphragm unit</li> </ul>	
<ul> <li>Test questions on these professional activities may include one or more of the following:</li> <li>A. Application of seismic load effects in load combinations</li> <li>B. Seismic forces applied to structural elements within the load path</li> <li>C. Seismic force distribution to vertical elements of the lateral load resisting system</li> <li>D. Deflection and drift requirements of diaphragms and structural elements</li> <li>E. Diaphragm force distribution to structural elements (e.g., chord forces, drag forces, diaphragm unit shear)</li> </ul>	
<ul> <li>Test questions on these professional activities may include one or more of the following:</li> <li>A. Application of seismic load effects in load combinations</li> <li>B. Seismic forces applied to structural elements within the load path</li> <li>C. Seismic force distribution to vertical elements of the lateral load resisting system</li> <li>D. Deflection and drift requirements of diaphragms and structural elements</li> <li>E. Diaphragm force distribution to structural elements (e.g., chord forces, drag forces, diaphragm unit shear)</li> <li>F. Requirements for ties and continuity, collectors, and drags</li> </ul>	
<ul> <li>Test questions on these professional activities may include one or more of the following: <ul> <li>A. Application of seismic load effects in load combinations</li> <li>B. Seismic forces applied to structural elements within the load path</li> <li>C. Seismic force distribution to vertical elements of the lateral load resisting system</li> <li>D. Deflection and drift requirements of diaphragms and structural elements</li> <li>E. Diaphragm force distribution to structural elements (e.g., chord forces, drag forces, diaphragm unit shear)</li> <li>F. Requirements for ties and continuity, collectors, and drags</li> <li>G. Principles used to calculate rigidities of structural elements (e.g., stiffness coefficients, force-</li> </ul> </li> </ul>	
<ul> <li>Test questions on these professional activities may include one or more of the following: <ul> <li>A. Application of seismic load effects in load combinations</li> <li>B. Seismic forces applied to structural elements within the load path</li> <li>C. Seismic force distribution to vertical elements of the lateral load resisting system</li> <li>D. Deflection and drift requirements of diaphragms and structural elements</li> <li>E. Diaphragm force distribution to structural elements (e.g., chord forces, drag forces, diaphragm unit shear)</li> <li>F. Requirements for ties and continuity, collectors, and drags</li> <li>G. Principles used to calculate rigidities of structural elements (e.g., stiffness coefficients, forcedeflection relationship, cantilever wall, fixed wall)</li> </ul> </li> </ul>	
<ul> <li>Test questions on these professional activities may include one or more of the following: <ul> <li>A. Application of seismic load effects in load combinations</li> <li>B. Seismic forces applied to structural elements within the load path</li> <li>C. Seismic force distribution to vertical elements of the lateral load resisting system</li> <li>D. Deflection and drift requirements of diaphragms and structural elements</li> <li>E. Diaphragm force distribution to structural elements (e.g., chord forces, drag forces, diaphragm unit shear)</li> <li>F. Requirements for ties and continuity, collectors, and drags</li> <li>G. Principles used to calculate rigidities of structural elements (e.g., stiffness coefficients, forcedeflection relationship, cantilever wall, fixed wall)</li> <li>H. Distribution of seismic forces based on rigidity</li> </ul> </li> </ul>	
<ul> <li>Test questions on these professional activities may include one or more of the following: <ul> <li>A. Application of seismic load effects in load combinations</li> <li>B. Seismic forces applied to structural elements within the load path</li> <li>C. Seismic force distribution to vertical elements of the lateral load resisting system</li> <li>D. Deflection and drift requirements of diaphragms and structural elements</li> <li>E. Diaphragm force distribution to structural elements (e.g., chord forces, drag forces, diaphragm unit shear)</li> <li>F. Requirements for ties and continuity, collectors, and drags</li> <li>G. Principles used to calculate rigidities of structural elements (e.g., stiffness coefficients, forcedeflection relationship, cantilever wall, fixed wall)</li> </ul> </li> </ul>	

K. Torsional moment requirements in diaphragms

L. Subdiaphragm principles and analysis

VII. Seismic Detailing and Construction Quality Control Professional Activities:	12%
1. Identify the detailing requirements that are critical for seismic performance (e.g., load path, wall anchorage, chord and collector)	
2. Recognize need for construction quality control of the seismic design aspects of the project (e.g., testing, special inspection and observation requirements)	
<ul> <li>Test questions on these professional activities may include one or more of the following: <ul> <li>A. Seismic detailing and inherent seismic performance characteristics for steel</li> <li>B. Seismic detailing and inherent seismic performance characteristics for concrete</li> <li>C. Seismic detailing and inherent seismic performance characteristics for masonry</li> <li>D. Seismic detailing and inherent seismic performance characteristics for wood</li> <li>E. Deformation compatibility requirements for structural and nonstructural elements</li> <li>F. Detailing for ties and continuity, collectors, and drags</li> <li>G. Detailing for anchorage of concrete and masonry walls</li> <li>H. Seismic special inspection and materials testing requirements</li> <li>I. Seismic structural observation requirements</li> </ul> </li> </ul>	

# **BPELSG Civil Engineering Surveyors (CES) Job Analysis-2022**

BPELSG Civil Engineering Surveyors (CES) Job Analysis-2022	
I. Survey Planning	25%
Professional Activities:	
1. Distinguish the purposes and procedures of various surveys (e.g., topographic, route, control, construction)	
2.Use of datums for horizontal and vertical control	
3. Determine the scope of civil engineering surveying	
Test questions on these professional activities may include one or more of the following:	
A. Control surveys (purpose and procedures)	
B. Alignment surveys (e.g., route, horizontal, vertical)	
C. Topographic surveys (e.g., aerial, surface, utilities)	
D. Data collection methods (e.g., leveling, LiDAR)	
E. Accuracy and precision (e.g., data collection, measurements, errors, application of data)	
F. Horizontal and vertical datums (e.g., assumed non-geodetic)	
G. Use and applications of Geographic Information Systems (GIS)	
H. Role and limitations of a civil engineer as it pertains to engineering surveying	
II. Field Data Collection	15%
Professional Activities:	
1. Perform the measurement of horizontal distances	
2. Perform the measurement of angles	
3. Perform the measurement of elevations	
4. Determine potential construction conflicts (e.g., utilities, existing/proposed structures, substructures)	
Test questions on these professional activities may include one or more of the following:	
A. Locating or establishing a point or alignment using horizontal distances and angles	
B. Locating or establishing an elevation using trigonometric and differential leveling	
C. Purpose and application of surveying equipment (e.g., distance, angle, elevation)	
D. Creating and checking level notes	
III. Data Analysis and Evaluation	30%
Professional Activities:	
1. Identify accuracy requirements and limitations for measured survey data and map development	
<ol><li>Perform traverse survey calculations (e.g., closure, error, side shots)</li></ol>	
3. Perform leveling calculations from field data to determine elevations	
4. Perform rectangular coordinate system calculations	
5. Determine line and grade (e.g., plans and profiles)	
Test questions on these professional activities may include one or more of the following:	
A. Measuring equipment errors (e.g., distance, angular, leveling)	
B. Error of closure (e.g., horizontal and vertical)	
C. Calculating horizontal, slope, and vertical distances	
D. Calculating horizontal angles (e.g., azimuths, bearings, backbearings, deflections)	
E. Calculating horizontal curves (e.g., radius, curve length, tangent, compound, reverse curves)	
F. Calculating vertical curves (e.g., high/low point, intermediate point, rate of grade)	
G. The relationship between contour lines and cross-sections	
H. Determining vertical distances and interference (e.g., plan and profile, cross-sections)	
I. Evaluating offset distances	
J. Calculating areas (e.g., double meridian distance)	
K. Calculate rectangular coordinates (e.g., departures, latitudes)	
IV. Mapping	10%
Professional Activities:	

-	
1. Interpret maps and plans (e.g., elevations, benchmarks, contour intervals, fixed works, field points)	
2. Prepare topographic and planimetric maps (e.g., plotting topographical features from field information)	
Test questions on these professional activities may include one or more of the following:	
A. Interpolating elevations from topographic data	
B. Plotting topographical features from field information (e.g., contour intervals, fixed works, field	
points)	
C. Plotting profiles and cross-sections	
D. Map scales and accuracy standards	
V. Construction Surveying	20%
Professional Activities:	
1. Apply construction staking procedures (e.g., stationing, stake marking)	
2. Locate and set critical cross-section points (e.g., hinge points, catch points, grade breaks)	
3. Locate and set points along an alignment (e.g., horizontal and vertical curve)	
Test questions on these professional activities may include one or more of the following:	
A. Construction staking procedures (e.g., stationing, stake marking)	
B. Determining critical cross-section points (e.g., hinge points, catch points, grade breaks)	
C. Locating and setting points along an alignment (e.g., horizontal and vertical curve)	

# X. Executive Officer's Report

- A. Rulemaking Status Report
- B. Update on Board's Business Modernization Project
- C. 2023 Board Meeting Schedule (Possible Action)
- D. Personnel
- E. ABET
- F. Association of State Boards of Geology (ASBOG)
  - 1. Annual Meeting Report
- G. National Council of Examiners for Engineering and Surveying (NCEES)
  - 1. Request NCEES Designate Board Member Mohammed Qureshi as an Emeritus Member of the California Board (**Possible Action**)
  - 2. 2023 NCEES Zone Interim Meeting, April 27-29, 2023, Houston, TX Selection of Board Delegates (Possible Action)
- H. Update on Outreach Efforts
- I. Strategic Plan Discussion Review of the Strategic Plan Values and Their Potential Impact on Board Operations (**Possible Action**)

# **Rulemaking Status Report**

# 1. Examination Fees, Abandoned Applications, and Postponements (16 CCR sections 3005, 3024, 3024.5, 3026, and 3031)

- The Office of Administrative Law has approved the notice of publication for a 45-day comment period that was posted on the Board website on November 10, 2022.
  - Board staff finalizing initial rulemaking documents for submittal to DCA and Agency for review prior to public notice in October 2022.
  - Initial rulemaking package submitted to DCA Legal for review on July 27, 2022.
  - Board approved revised text at the June 23-24, 2022, Board meeting.
  - Staff working with DCA Legal to finalize proposal for notice (April 2022).
  - Submitted for initial (pre-notice) review by DCA Legal on December 6, 2021.
  - Board directed staff to pursue rulemaking proposal on November 8, 2021.
- 2. Applications, References, Computation of Qualifying Experience, and Schedule of Examinations (16 CCR sections 420, 427.10, 427.30, 3021, 3022.2, 3023, and 3032)
  - Staff working with Legal to prepare language for Board review at the February 2023 meeting.
    - Staff working on final text for submittal to DCA Legal in September 2022.
    - Staff working with DCA Legal to finalize proposal for notice (April 2022).
    - Submitted for initial (pre-notice) review by DCA Legal on December 6, 2021.
    - Board directed staff to pursue rulemaking proposal on November 8, 2021.

# 3. Definition of Traffic Engineering (16 CCR 404)

- Board staff will work with DCA Legal to prepare documents for initial notice in 2023.
  - Submitted for initial (pre-notice) review by DCA Legal on September 3, 2020.
  - Board directed staff to pursue rulemaking proposal on March 8, 2018.
- 4. Definitions of Negligence and Incompetence and Responsible Charge Criteria for Professional Geologists and Professional Geophysicists (16 CCR sections 3003 and 3003.1)
  - Board staff will work on the pre-notice documents in 2023.
    - Board directed staff to pursue rulemaking proposal on September 6, 2018.

**Note:** Documents related to any rulemaking file listed as noticed for public comment can be obtained from the Board's website at: <u>http://www.bpelsg.ca.gov/about\_us/rulemaking.shtml</u>.

# PROJECT STATUS REPORT

Reporting	1/21/2020 –	Project title:	Business Modernization
period:	12/01/2022		Cohort 1

# EXECUTIVE SUMMARY

Narrative Summary of Status	Schedule:	GREEN	Budget:	GREEN	Issues:	GREEN	
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The Maintenance & Operations (M&O) phase of project began July 2022. Product Increment (PI5) of the project went live on October 12 and for BPELSG, consisted primarily of bug fixes and requested refinements. Staff is currently working with Agile Team on additional application (GIT and Professional Geologist) types.

# PROJECT MILESTONE STATUS REVIEW

Project Milestones	Status	Completion Date	lssues Exist (Yes/No)
Project Planning Complete – Project Start	Complete	1/13/2020	No
Go Live – Most Viable Product (MVP1)	Complete	9/16/2020	No
Go Live - Product Increment 2 (PI2)	Complete	1/20/2021	No
Go Live - Product Increment 3 (PI3)	Complete	6/16/2021	No
Go Live - Product Increment 3.5 (PI3.5)	Complete	11/10/2021	No
Go Live - Product Increment 4 (PI4)	Complete	4/29/2022	No
Go Live - Product Increment 5 (PI5)	Complete	10/12/2022	No
Go Live – Product Increment X	On-going	Jan 2023	No

# **2023 BOARD MEETING DATES**

JANUARY										
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29	30	31								

FEBRUARY										
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**SEPTEMBER** 

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KEY	HOLIDAYS		NCEES AND ASBOG EVENTS
<ul> <li>Board Meeting Dates</li> <li>State Holidays</li> <li>April, June, and September at DCA</li> </ul>	<ul> <li>1/2 New Year's Day</li> <li>1/16 (observed)</li> <li>2/20 MLK Day</li> <li>3/31 President's Day</li> <li>5/29 Cesar Chavez Day Memorial Day</li> </ul>	<ul> <li>7/4 Independence Day</li> <li>9/4 Labor Day</li> <li>11/10 Veteran's Day</li> <li>11/23 - 11/24 Thanksgiving Holiday</li> <li>12/25 Christmas</li> </ul>	April 27-29 All Zone Meeting, Houston, TX August 15-18 NCEES Annual Meeting, Boston, MA October 30-November 4 ASBOG Annual Meeting, Spokane, WA

# QUARTERLY OUTREACH REPORT (Q1) JULY, AUGUST, SEPTEMBER 2022

TOP FACEBOOK POSTS	DATE	VIEWS
NSPE Engineers Day	8/03	1424
ASCE SF YMF "Thank You for Hosting Us"	8/17	643
BKF Engineers "Thank You for Hosting Us"	9/09	439
ASBOG Survey Announcement	8/08	393
Seismic Principles Exam Announcement	8/31	309

TOP TWEETS	DATE	VIEWS				
NSPE is celebrating Professional Engineers Day TODAY!	8/03	433				
"Thank You for Hosting" to ASCE San Francisco YMF 8/17 161						
Seismic Principles continues to test on 2019 CA Bldg. Code 8/31 129						
Notice & Agenda posted for 8/22-23 Mtg 8/12 116						
"Thank You for Hosting" to BKF Engineers	9/09	108				

WEB PAGE VIEWS	VIEWS
License lookup	255,332
Board Front Page	182,070
License Renewal	105,712
Application Information	99,916
PE Application	82,246

OUTREACH	EVENTS
July 20	Cal Poly Pomona's "Role of Design Professional in Society" class about professional licensure. This is a presentation given each semester to the senior students by N. King, PE
July 21	California Department of Water Resources "Lunch & Learn" Presenters: R. Moore, P.L.S., N. King, PE, M. Donelson, PE, and D. Sweeney, P.L.S.
Aug 17	ASCE YMF SF presentation by N. King, PE
Sept 7	BKF Engineers, Inc. hosted the Board for their "Early Professionals Lunch & Learn Event", which focused on Professional Licensure for Engineers and Land Surveyors. N. King, PE, and D. Sweeney, P.L.S.
Sept 14	HDR, Inc. (virtual, all CA offices) hosted the Board for a presentation on the Path to Professional Licensure with a focus on the PE-Civil CBT exam and BPELSG Connect application process. N. King, PE 54

#### X. Executive Officer's Report

I. Strategic Plan Discussion – Review of the Strategic Plan Values and Their Potential Impact on Board Operations (Possible Action)

At the October 20, 2022 Board Meeting, the Board requested to revisit the new Values statement included in the recently adopted Strategic Plan 2022-2027. Below is the applicable excerpt from that Plan, followed by the Governors Executive Order (EO) N-16-22. It is recommended that the Board consider Order 1 as described on Page 3 of this Executive Order during their discussion.

# Mission, Vision, and Values

# **Our Mission**

We protect the public's safety and property by promoting standards for competence and integrity through licensing and regulating the Board's professions.

# Our Vision

A safe and resilient California with confidence in the integrity and work of the Board's licensed professionals.

# **Our Values**

- Accountability
- Competence
- Consumer Protection
- Equity
- Fairness
- Integrity
- Professionalism

# EXECUTIVE DEPARTMENT STATE OF CALIFORNIA

#### **EXECUTIVE ORDER N-16-22**

WHEREAS California is the largest and most diverse state in the nation, shaped by the contributions of all its residents, including California Native Americans, communities of color, immigrants, and descendants of immigrants who call our golden state home, and welcomes all people to pursue bold dreams and renews the California dream for every new generation; and

**WHEREAS** California has a strong history of fighting for freedom and civil rights for all people; and

WHEREAS California leads the nation in confronting the climate crisis and building community resilience through equity and opportunity, including supporting communities that experience the greatest social and health inequities from climate change; and

**WHEREAS** California continues to march towards equality and to address our nation's and our State's historical wrongs, including through recognition of gay marriage in San Francisco; placing a moratorium on the death penalty in California; advancing immigrant equity and inclusion; protecting access to reproductive health care; compensating survivors of state-sponsored sterilization; ending sub-minimum wage employment; and recently forming the Truth and Healing Council and the Reparations Task Force; and

WHEREAS California has also demonstrated a fundamental commitment to prosperity and opportunity for all, including, but not limited to, advancing policies around health care for all; historic financial investments to advance educational equity; age-friendly communities; actions to further gender equity with the leadership of the First Partner; and the creation of a State Chief Equity Officer to provide statewide leadership and consultation on diversity, equity, inclusion, and accessibility regarding state operations, procurement, information technology, and human resources; and

**WHEREAS** the State has invested to improve language access across the spectrum of health and human services programs, and to increase participation of Californians who are non-English or limited-English speakers in California's public hearings and meetings, and will continue to work with agencies and departments to improve the delivery of language access and accessibility; and

**WHEREAS** despite this progress, continued work remains to attain our shared goals of providing equal opportunity for all and addressing persistent disparities in outcomes; and

WHEREAS state government can take additional concrete steps to address existing disparities in opportunities and outcomes and advance equity by designing and delivering state services and programs, consistent with federal and state constitutional requirements, to address unequal starting points and drive equal outcomes so all Californians may reach their full potential and lead healthy and rewarding lives; and

**WHEREAS** agencies and departments within my Administration can and should take additional actions to embed explicit analysis of equity considerations in policies and practices, including by analyzing demographic

and geographic gaps in outcomes and access to funding and services, developing and consistently utilizing data analysis tools and practices to understand gaps in access to services and programs or outcomes from state programs, and reviewing community engagement strategies with a focus on Californians who reside in communities that have historically been underserved and marginalized; and

WHEREAS the Department of Finance is the State's chief advisor on fiscal policy and leads the annual budget process; and at my direction, the Department is requiring an analysis of equity considerations in budget change proposals through which all agencies and departments must obtain approval for changes in the level of service, and changes in funding sources for authorized activities or to propose new program activities not currently authorized, to improve the evaluation of any proposal's impact on Californians; and

WHEREAS a state workforce that reflects the diversity of the people of California is integral to our State's success in serving and responding to the needs of a diverse California population, and recent investments to ensure that positions in state government are attractive and available to Californians from all backgrounds will advance this goal; and

WHEREAS the Infrastructure Investment and Jobs Act, passed by Congress and signed into law in 2021, provides an opportunity for partnership with California small businesses, disadvantaged business enterprises, Tribal governments, community-based organizations, and nonprofit organizations to support more investment in economically and socially disadvantaged communities from this federal funding to modernize crucial infrastructure and accelerate our clean transportation progress; and

**WHEREAS** the State can improve outcomes and deliver better services by making its procurement policies simpler, faster, and more human-centered for buyers and vendor partners; and

WHEREAS the Targeted Area Contract Preference Act (TACPA) is a tool designed to stimulate economic growth and opportunities in disadvantaged zones throughout the State, and raising awareness of its benefits will increase opportunities for California-based companies to operate eligible worksites in these disadvantaged zones and employ Californians experiencing high unemployment or poverty; and

**WHEREAS** California's Civil Rights Department is the state agency charged with enforcing the Fair Employment and Housing Act; Unruh Civil Rights Act; Disabled Persons Act; Ralph Civil Rights Act, and other civil rights laws; adopting regulations to implement civil rights laws; providing dispute resolution services to people who believe they are the victim of discrimination; and providing community conflict resolution around discriminatory practices; and

WHEREAS California has advanced critical investments to respond to increased hate violence including establishing the Commission on the State of Hate in the Civil Rights Department to study hate in California, develop anti-hate resources for law enforcement and others, and make recommendations to better protect civil rights; to fund the "California versus Hate Resource Line and Network" to support survivors of hate incidents and crimes with culturally competent resources and services; and to improve the State's ability to understand and act to address economic and health impacts of hate, including through community engagement and sharing of anti-hate resources; and

WHEREAS California's Civil Rights Department is charged with publishing an annual report of pay data provided by private employers of 100 or more employees with at least one employee in California, to encourage employers to self-assess and voluntarily address pay disparities among demographic groups and to allow the Department to effectively enforce equal pay and antidiscrimination laws; and

**WHEREAS** the Office of Data and Innovation was recently reorganized to empower all state agencies and departments to drive better services, decisions, and outcomes through the use of data, user-centered design, and technology; and

WHEREAS data-driven goals and indicators are vital for state agencies and departments to measure opportunities and outcomes for all communities and to support public engagement and accountability in an efficient, effective, secure, and responsible manner; and

WHEREAS accelerating these actions and investments, including many achieved in partnership with the Legislature, and ensuring that agencies and departments explicitly consider equity and adoption of inclusive practices when developing strategic plans will strengthen the State's service to Californians and further collective efforts to improve opportunity by addressing disparities for underserved and marginalized communities; and

WHEREAS state agencies and departments and other governmental entities can benefit from having access to expertise, data tools, methodologies, and practices as they review programs and practices to further racial equity and achieve more equitable outcomes.

**NOW, THEREFORE, I, GAVIN NEWSOM**, Governor of the State of California, in accordance with the authority vested in me by the State Constitution and statutes of the State of California do hereby issue the following Order to become effective immediately:

#### IT IS HEREBY ORDERED THAT:

- 1. All agencies and departments subject to my authority shall, for any strategic plans applicable during the 2023-24, 2024-25, and/or 2025-26 fiscal years:
  - a. develop or update the strategic plan to reflect the use of data analysis and inclusive practices to more effectively advance equity and to respond to identified disparities with changes to the organization's mission, vision, goals, data tools, policies, programs, operations, community engagement, tribal consultation policies and practices, and other actions as necessary to serve all Californians; and
  - b. as part of the development or updating of the strategic plans, engage and gather input from California communities that have been historically disadvantaged and underserved within the scope of policies or programs administered or implemented by the agency or department, and make the plans publicly available.
- 2. The Department of Human Resources (CalHR) shall undertake the following actions:
  - a. by July 1, 2023, report and analyze existing detailed state employee data and collect new data including race/ethnicity, gender identity, sexual orientation, age, and number of employees with a disability; and

- b. by December 31, 2023, design, develop, test, and maintain an anonymous hiring system in the Examination and Certification Online System (ECOS) for job applicants; and
- c. by December 31, 2023, collect hiring and vacancy data from agencies and departments subject to my authority, to identify critical hard-to-fill positions, and create new pathways and/or apprenticeship opportunities for new and existing employees to qualify for these positions.
- 3. By November 15, 2022, all agencies and departments subject to my authority shall, to the extent that they apply for federal Infrastructure Investment and Jobs Act (IIJA):
  - a. develop and submit to the State's Infrastructure Coordinator action plans to increase access to the grant or contract selection process for small business and disadvantaged business enterprises for all federal IIJA funded contracts; and
  - b. develop and submit to the State's Infrastructure Coordinator action plans to meaningfully engage with tribal governments, nonprofits, and other community organizations to increase access to IIJA funding opportunities.
- 4. With respect to the Target Area Contract Preference Act (TACPA):
  - a. by September 30, 2022, the Department of General Services shall develop a training module for all agencies, departments, boards, and offices on the effective implementation of TACPA; and
  - b. by December 31, 2022, relevant contracting and programmatic staff at all agencies and departments subject to my authority shall complete the training described in subparagraph a.
- 5. By September 30, 2023, the California Health and Human Services Agency and the Government Operations Agency shall develop recommendations to improve language and communications access to state government services and programs.
- 6. The Civil Rights Department shall:
  - a. by September 1, 2023, increase utilization of dispute resolution services by 20% and analyze available data of complaints making use of dispute resolution services; and
  - b. by January 1, 2023, implement a robust anti-hate strategy by:
    - i. launching community conflict resolution services funded by the 2022-2023 Budget Act; and
    - ii. establishing the CA v. Hate Resource Line and Network; and
    - iii. launching the Commission on the State of Hate; and
  - c. by February 1, 2023, review existing regulations implementing nondiscrimination protections in state programs and activities and initiate rulemaking as appropriate based on that review; and
  - d. by June 1, 2023, expand upon its existing efforts to collect, analyze, disseminate, and enforce pay data reporting requirements by providing employers, when feasible, a graphical report of their pay data to facilitate self-assessment and correction of unjustified pay disparities, and conducting new analyses of collected pay data to identify disparities by job category, region, and industry.
- 7. By June 30, 2023, the Office of Data and Innovation, in consultation with agencies subject to my authority, shall develop a set of statewide data and service standards and practices to support agencies and departments to identify and address disparities in government operations and services, including but not limited to, standards for collecting and managing race and

ethnicity data, metrics for measuring and tracking equity in state services and programs, and service delivery standards to support equity. This will include best practices to address sensitivities around data collection.

- 8. The Governor's Office of Planning and Research (OPR) shall create a Racial Equity Commission (commission), as follows:
  - a. The commission shall consist of eleven members who are California residents. My Administration shall appoint seven of the commission members. Additionally, OPR shall request that the Senate Committee on Rules appoint two members and that the Speaker of the Assembly appoint two members; and
  - Members will be appointed for a term of two years. Vacancies shall be filled in the same manner that provided for the original appointment; and
  - c. My Administration shall appoint, and the other appointing authorities are requested to appoint, individuals who have demonstrated expertise and meet criteria in at least one of the following areas:
    - i. analyzing, implementing, or developing public policies that impact racial equity as it relates to at least one of the following areas: broadband, climate change, disability rights, education, food insecurity, housing, immigration, land use, employment, environment, economic security, public health, health care, wealth, policing, criminal justice, transportation, youth leadership, agriculture, the wealth gap, entrepreneurship, arts and culture, voting rights, and public safety that may have an impact on racial equity or racial disparities; and
    - ii. developing or using data or budget equity assessment tools; and
    - iii. providing technical assistance in developing and implementing strategies for racial equity, including, but not limited to, guidance on employee training and support, development of racial equity programming, and assistance to organizations and departments on changing policies and practices to improve racial equity outcomes; and/or
    - iv. being a member of or representing an equity-focused organization that works with an impacted community whose lived experience will inform the work of the commission, including, but not limited to, members of the disability, immigrant, women's, and LGBTQ communities; and
  - d. My Administration also shall consider, and the other appointing authorities are also requested to consider, the expertise of the other members of the commission and make appointments that reflect the cultural, ethnic, racial, linguistic, sexual orientation, gender identity, immigrant experience, socioeconomic, age, disability, and geographical diversity of California; and
  - e. Commission members shall serve without compensation, but they may be reimbursed for necessary, pre-approved expenses incurred in connection with their duties, consistent with Government Code section 11009; and
  - f. The commission shall be staffed by OPR; and
  - g. The commission shall have the authority to:
    - i. hold hearings and perform acts that may be necessary to carry out the commission's duties; and
    - ii. engage with advisers or advisory committees when the commission determines that the experience or expertise of advisers or advisory committees is needed for commission work; and

- h. Relying upon publicly available information and data, the commission shall develop resources, best practices, and tools for advancing racial equity as follows:
  - i. in consultation with private and public stakeholders, as appropriate, develop a statewide Racial Equity Framework. The Racial Equity Framework shall be approved by the commission, submitted to the Governor and the Legislature on or after December 1, 2024, but no later than April 1, 2025, and posted to the commission's internet website. The Racial Equity Framework shall set forth the following:
    - methodologies and tools that can be employed in California to advance racial equity and address structural racism; and
    - 2. budget methodologies, including equity assessment tools, that entities can use to analyze how budget allocations benefit or burden communities of color; and
    - processes for collecting and analyzing data effectively and safely, as appropriate and practicable, including disaggregation by race, ethnicity, sexual orientation and gender identity, disability, income, veteran status, or other key demographic variables and the use of proxies; and
    - 4. summaries of input and feedback from stakeholder engagements; and
  - ii. upon request by a state agency, provide technical assistance on implementing strategies for racial equity consistent with the Racial Equity Framework; and
  - iii. engage stakeholders and community members, including by holding quarterly stakeholder meetings, to seek input on the commission's work, as described; and
  - iv. engage, collaborate, and consult with policy experts to conduct analyses and develop tools, including by building on and collaborating with existing bodies, as appropriate; and
  - v. promote the ongoing, equitable delivery of benefits and opportunities by:
    - providing technical assistance to local government entities engaging in racial equity programming, upon request from the local government; and
    - 2. encouraging the formation and implementation of racial equity initiatives by local government entities, including cities and counties; and
- i. The commission shall prepare an annual report that summarizes feedback from public engagement with communities of color, provides data on racial inequities and disparities in the State, and recommends best practices on tools, methodologies, and opportunities to advance racial equity. The report shall be submitted to the Governor and the Legislature and shall be posted publicly on the commission's internet website. The first annual report shall be completed on or after December 1, 2025, but no later than April 1, 2026, and annually thereafter.

**IT IS FURTHER ORDERED** that, as soon as hereafter possible, this Order be filed in the Office of the Secretary of State and that widespread publicity and notice be given of this Order.

This Order is not intended to, and does not, create any rights or benefits, substantive or procedural, enforceable at law or in equity, against the State of California, its agencies, departments, entities, officers, employees, or any other person.

IN WITNESS WHEREOF I have hereunto set my hand and caused the Great Seal of the State of California to be affixed this 13th day of September 2022.

GAVIN NEWSOM Governor of California

ATTEST:

SHIRLEY N. WEBER, PH.D. Secretary of State

# XII.Approval of Meeting Minutes (Possible Action)A.Approval of October 20, 2022 Board Meeting Minutes

# DRAFT

# MINUTES OF THE BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS

Thursday, October 20, 2022, beginning at 9:00 a.m.

Thursday, October 20, 2022

<u></u>	
Board Members	President Rossana D'Antonio; Vice-President Michael Hartley;
Present:	Fel Amistad; Alireza Asgari; Coby King; Betsy Mathieson;
	Mohammad Qureshi; and Christina Wong
Board Members	Duane Friel; Kathy Jones Irish; Paul Novak; Frank Ruffino; and
Absent:	Wilfredo Sanchez
Board Staff Present:	Ric Moore (Executive Officer); Nancy Eissler (Assistant
	Executive Officer); Tiffany Criswell (Enforcement Manager);
	Celina Calderone (Board Liaison); Reza Pejuhesh (Legal
	Counsel)

# I. Roll Call to Establish a Quorum

President D'Antonio called the meeting to order at 9:04 a.m., and a quorum was established.

# II. Pledge of Allegiance

Vice-President Michael Hartley led everyone in the recitation of the Pledge of Allegiance.

# III. Public Comment for Items Not on the Agenda

During Public Comment, David McMillan, County Surveyor for the County of Riverside, welcomed the Board.

Melissa Gear, Deputy Director with the Department of Consumer Affairs, Board and Bureau Relations, introduced herself to the Board.

Bob DeWitt, representing ACEC, was grateful for the certificate of recognition he received for his 50 years of service as a licensed engineer.

Alan Escarda, representing PECG, introduced himself.

# IV. Administration

A. Fiscal Year 2021/22 Year-End Summary

Mr. Moore reported that the Board received the Fiscal Month 13 report; more revenue was received than projected, and expenditures were about 90% of the budget authority. There was a significant increase in initial application volume, which produced a 32% positive impact in revenue from the prior year, ultimately realizing the impact of the new fees.

B. Fiscal Year 2022/23 Budget Report

Mr. Moore reported that the Board has 2.5 months in reserve. It is anticipated that Board will experience another increase in initial applications but not to the level of the prior applications received.

# V. Legislation

- A. Discussion of Legislation for 2022
  - 1. Senate Bill (SB) <u>1120</u> (Jones, Chapter 302, Statutes of 2022) Engineering, land surveying, and geology.

Ms. Eissler reported that the Governor signed the bill, and it will go into effect January 1, 2023. It amends sections of the Business and Professions Code relating to engineering and land surveying businesses to remove an obsolete subdivision that was misinterpreted and added sections that give the Board authority to require applicants and licensees to provide the Board with their email addresses and notify the Board of any changes to that email address within 30 days. It also contains a provision that indicates the email address in not a matter of public record so it would not be disclosed to the public. This bill also amended the public resources code relating to the California Coordinate System, which was sponsored by CLSA (California Land Surveyors Association).

2. SB <u>1237</u> (Newman, Chapter 386, Statutes of 2022) Licenses: military service.

The Governor signed the bill that adds a provision to define the phrase "called to active duty" as having the same meaning as "active duty" as defined in the United States Military Code for the purposes of waiving renewal fees.

3. SB <u>1443</u> (Roth, Chapter 625, Statutes of 2022) Professions and vocations. This bill extends the Sunset date by one year until January 1, 2025. This means that the Board will undergo sunset review during the 2024 legislative session, with its report due at the end of 2023 or the beginning of 2024.

During Public Comment, Mr. Escarda inquired if the Sunset Report will be available to the public and if stakeholder input will be considered for continuing education credits. Mr. Moore indicated that it will be in the Board meeting materials, and if and when the Board moves forward with any kind of legislative efforts relating to continuing education it would be during a Board meeting and public comment would be considered at that time.

4. SB <u>1495</u> (Committee on Business, Professions and Economic Development, Chapter 511, Statutes of 2022) Professions and vocations. The Governor signed the bill, and it will go into effect January 1, 2023. This bill amends Section 7841.2 to allow applicants for the Geologist-in-Training certificate to self-certify that they have met the educational qualifications

required for such a certification. This would allow the Board to issue the certificates without reviewing the applicant's education coursework.

# VI. Enforcement

- A. Enforcement Statistical Reports
  - 1. Fiscal Year 2022/23 Update

Ms. Criswell reviewed the enforcement statistics. Ms. Mathieson inquired about the Connect system and whether there has been an increase in complaint submittals since its launch. Ms. Criswell reported that while it is still in development, the submittal process is fully functional. Ms. Criswell has seen a significant increase in complaint submittals; however, many of those have nothing to do with the Board or the professions the Board regulates. President D'Antonio asked if staff is obligated to investigate every complaint. Ms. Criswell explained that staff's efforts are to determine whether it is in the Board's jurisdiction or if there is sufficient documentation to proceed. Complaints such as unlicensed practice need supporting documentation and when there is nothing submitted with the complaint, there is not enough information to move forward. Ms. Criswell will provide the Board with an overview of the enforcement process at a future meeting.

During Public Comment, Mr. McMillan commended the Enforcement staff for the reduction in the aging off cases.

# VII. Exams/Licensing

A. Examination/Licensing Updates

Mr. Moore announced that the last paper and pencil ASBOG exam administration of the Fundamentals of Geology and the Practice of Geology took place on October 7, 2022.

He reviewed charts that illustrated initial application statistical data and stated that the Board is now reviewing more applications than are being received.

# VIII. Executive Officer's Report

A. Rulemaking Status Report

Ms. Eissler reported that the Examination Fees, Abandoned Applications, and Postponements rulemaking package is about ready to start the official review by DCA and Agency that will then allow the Board to notice it for the 45-day public comment period. She is hoping to have draft language at the December Board meeting for the regulations relating to applications and references. There are quite a few changes that will need to be made to the regulations due to the new Connect system. One example is a description of the information that must be provided to the Board through Connect as the Board no longer has an engagement record and reference paper form.

The other two rulemaking packages, the Definition of Traffic Engineering and the Definitions of Negligence and Incompetence and Responsible Charge Criteria for Professional Geologists and Geophysicists, are delayed due to the other packages that have a higher priority.

B. Update on Board's Business Modernization Project Product Increment 5 is delayed due to data conversion and testing within other boards.

# C. 2023 Board Meeting Schedule

Mr. Moore reviewed the tentative 2023 Board meeting schedule. Mr. Hartley cannot make the proposed February 2-3 date. Dr. Asgari has a conflict with June 1-2 due to an NCEES committee assignment. Mr. King has a conflict with the proposed April 6-7 date. Ms. Mathieson is concerned with travel on April 7 as it is Good Friday. Mr. Moore noted that conflicts will be considered if quorum is affected.

Dr. Qureshi asked that we reference the NCEES Joint Zone meeting as the NCEES All Zone meeting on the 2023 tentative Board meeting calendar.

Mr. Escarda appreciates taking the public into account in meeting planning. Mr. McMillan appreciates the Board travelling to various locations.

D. Personnel

Recruitment continues for the Senior Registrar Geologist position. A new staff member will fill one of the vacancies in the Licensing Unit effective November 1. Staff continues to recruit for the additional licensing position. Elaine Mefford was hired as the new receptionist. She is learning about the Board and is integrating very well. The Seasonal Clerk that was hired to assist with licensing is leaving the Board.

E. ABET

Mr. Moore reached out to ABET to find out whether there were any visits taking place this year with universities in California. ABET reported that there are a couple visits taking place; however, each university has the option of having Board observers or ABET observers, and they opted to not have any.

F. Association of State Boards of Geology (ASBOG)

Mr. Moore reminded everyone that Ms. Mathieson was selected as Board Delegate and anticipates the main topic of discussion will be the transition to Computer Based Testing (CBT). Mr. Moore will attend virtually. Ms. Mathieson was invited to be a lead speaker on a panel discussion about changes in academic department names, course names, course combining, and the new BPELSG education requirements for geologist and geophysicist applicants.

- G. National Council of Examiners for Engineering and Surveying (NCEES)
  - 1. Annual Meeting, August 23-26, 2022, Carlsbad, CA Report Mr. Moore reported on the Annual Meeting and announced that Dr. Qureshi is now the Western Zone Vice-President. Dr. Qureshi announced the

appointment of three new Board of Directors' members, of which he is one. Laura Sevier from Iowa was elected President-Elect and Jan Bostelman from Nebraska was elected as the Central Zone Vice-President. Mr. King noted that Dr. Qureshi can possibly be nominated by the Western Zone for the President-Elect position in two years. Mr. King was reappointed to the Bylaws Committee. Board members who attended the Annual Meeting all shared their experiences.

- H. Update on Outreach Efforts Mr. Moore reviewed the Board's Outreach report.
- I. Strategic Plan Discussion

Mr. Moore recommended that the Board remove items 6.4 and 6.7 as they are duplicative of other items.

MOTION:	President D'Antonio and Ms. Mathieson moved to
	remove items 6.4 and 6.7 and renumber the items.
VOTE:	8-0, Motion Carried

Member Name	Yes	No	Abstain	Absent	Recusal
President D'Antonio	Х				
Vice-President Hartley	Х				
Fel Amistad	Х				
Alireza Asgari	Х				
Duane Friel				Х	
Kathy Jones Irish				Х	
Coby King	Х				
Betsy Mathieson	Х				
Paul Novak				Х	
Mohammad Qureshi	Х				
Frank Ruffino				Х	
Wilfredo Sanchez				Х	
Christina Wong	Х				

# IX. President's Report/Board Member Activities

Dr. Asgari reported that NCEES EPE (Examinations for Professional Engineers) approved the Civil Engineering exam specification changes due to the CBT (Computer Based Testing) conversion.

# X. Approval of Meeting Minutes

A. Approval of August 22, 2022, Board Meeting Minutes

	Dr. Qureshi and Dr. Amistad moved to approve the meeting minutes.
VOTE:	9-0, Motion Carried

Member Name	Yes	No	Abstain	Absent	Recusal
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President D'Antonio	Х		
Vice-President Hartley	Х		
Fel Amistad	Х		
Alireza Asgari	Х		
Duane Friel		Х	
Kathy Jones Irish		Х	
Coby King	Х		
Betsy Mathieson	Х		
Paul Novak		Х	
Mohammad Qureshi	Х		
Frank Ruffino		Х	
Wilfredo Sanchez		Х	
Christina Wong	Х		

XI. Discussion Regarding Proposed Agenda Items for Next Board Meeting Vice President Hartley would like to discuss the Strategic Plan's core values and their impact on the Board's operations.

# XII. Recess Open Session

The Board recessed open session at 11:38 a.m.

- XIII. Convene Closed Session The Board met in Closed Session to discuss, as needed:
  - A. Deliberate and Vote on Disciplinary Matters, Including Stipulated Settlements and Proposed Decisions Pursuant to Government Code section 11126(c)(3)
  - B. Confer with, or Receive Advice from, Its Legal Counsel regarding Pending Litigation Pursuant to Government Code section 11126(e)(1) and (2)(A), as follows:
    - 1. Ryan Crownholm, et al., vs. Richard B. Moore, et al., United States District Court, Case No. 2:22-cv-01720-DAD-CKD

# XIV. Adjourn Closed Session

The Board adjourned Closed Session at 12:40 p.m.

# XV. Reconvene Open Session

The Board reconvened open session at 12:41 p.m., and Ms. Criswell announced that the Board took action on a stipulation, two default decisions, and discussed litigation as noticed.

# XVI. Adjourn

The meeting adjourned at 12:42 p.m.

# PUBLIC PRESENT

Bob DeWitt, ACEC