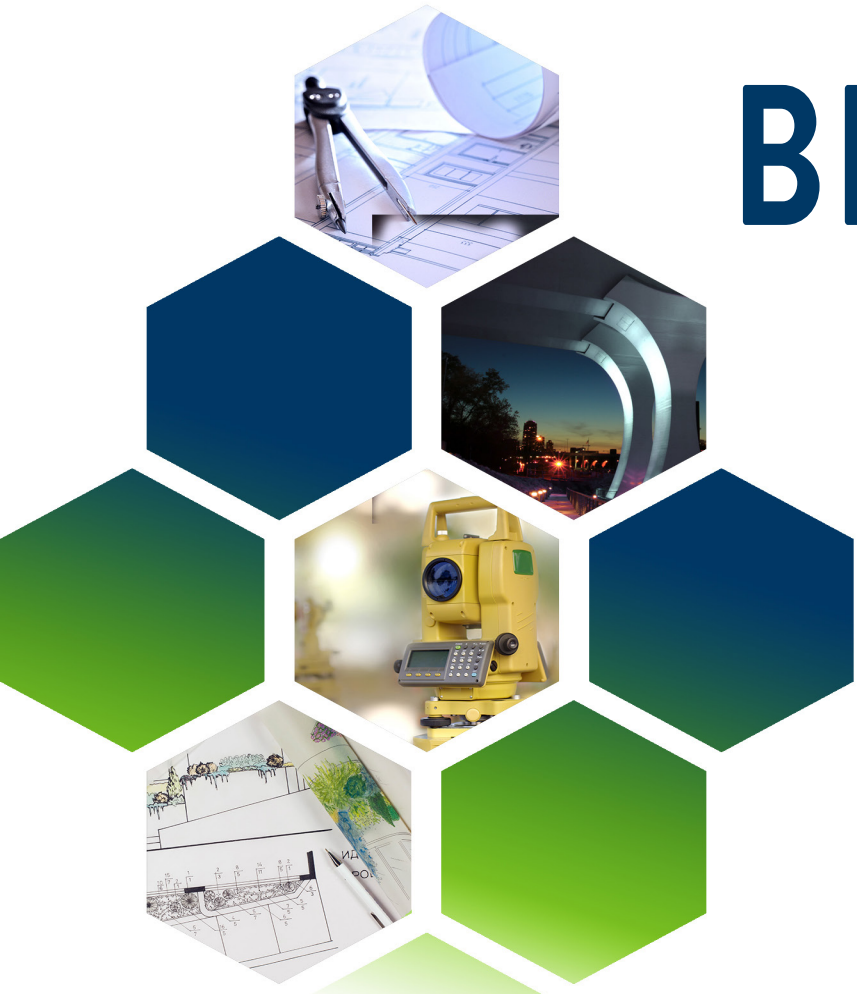


# BIENNIAL REPORT

2020-2022



BOARD OF ARCHITECTURE ▪ ENGINEERING  
LAND SURVEYING ▪ LANDSCAPE ARCHITECTURE  
GEOSCIENCE ▪ INTERIOR DESIGN



Submitted to the Governor and  
Minnesota State Legislature  
in compliance with Minnesota Statute  
Section 214.07 Subdivision 1



BOARD OF ARCHITECTURE ▪ ENGINEERING  
LAND SURVEYING ▪ LANDSCAPE ARCHITECTURE  
GEOSCIENCE ▪ INTERIOR DESIGN



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# EXECUTIVE SUMMARY

## About the Board

The Board was created in 1921 to regulate the practice of architecture, professional engineering and land surveying. In 1976, the practice of landscape architecture was added to the Board's jurisdiction. The title act for Certified Interior Design was added in 1992, and the practice of geology in 1995.

## Mission

The Board regulates the professions and enforces the statutes and rules in order to protect the health, safety and welfare of the public. We ensure that individuals meet the education, examination and experience standards for licensure or certification and maintain their records in good standing. We take disciplinary action against those who violate the statutes, rules and standards governing the practice of the professions.

## Board Membership

The full Board consist of 21 members appointed by the Governor to four-year terms.

- 5 public members
- 3 architects
- 5 professional engineers
- 2 land surveyors
- 2 landscape architects
- 1 professional geologist
- 1 professional soil scientist
- 2 certified interior designers

## Board Meetings

The full Board meets six times per year to conduct business. Board, Committee and Section meetings are open to the public. Complaint Committee meetings are closed. The meeting schedule is set for the upcoming year each fall and is posted on the Board's website.

Meeting minutes are posted on the website after they are approved by the Board.

### MEETINGS HELD

Full Board	12
Executive	12
Complaint	15
Credentialing	2
Rules	3
ALACID Section	4
ELSGEO Section	4

## Committees

Committee work keeps issues moving in a timely and efficient manner. Each member serves on one of the following committees:

- Credentialing Committee: Licensure/ certification and examination issues, continuing education, outreach
- Complaint Committee: Enforcement of statutes and rules
- Rules Committee: Amendments to rules

## Sections

Board members are also divided into Sections which meet to discuss issues pertinent to the professions in that Section.

- Architects, Landscape Architects and Certified Interior Designers (ALACID)
- Professional Engineers, Land Surveyors and Geoscientists (ELSGEO)
- Public members divide between the Sections

The full Board ratifies all actions recommended by the Committees and Sections.

## Examinations and In-Training Certifications

The Board evaluates the credentials of applicants for examination by identifying those who meet the requirements set forth in statute and rule. Additionally, it evaluates applications for Engineer-in-Training (EIT) certification. In FY21 and FY22, the Board evaluated 785 such applications.

Beginning with a rule change in May 2019, applicants for the Fundamentals of Engineering (FE) exam who hold an EAC-ABET accredited degree apply directly to the national organization NCEES to register for the exam, returning to the Board after successful completion of that exam to apply for their EIT certificate and for the Principles and Practice of Engineering exam and licensure. Applicants with degrees that must be evaluated for equivalency to an EAC-ABET accredited degree continue to apply directly to the Board for the FE exam.

Applicants for landscape architecture, certified interior design, and architect examinations apply directly to the respective national councils for approval to take their exams. Those individuals apply to the Board for licensure or certification following successful completion of the examination.

## Licensure, Certification and Renewals

During the FY21 and FY22 reporting period, the Board evaluated 1,670 applications for licensure or certification by comity or education, examination, and experience (EEE). The combined licenses and certificates issued by these methods plus those issued after successful examination totaled 2,317. All licenses and certificates expire on June 30 of even-numbered years. In April through June of 2022, the Board renewed 17,834 licenses and certificates for the period of July 1, 2022 through June 30, 2024.



## Continuing Education and Audits

Licensees and certificate holders are required to complete and report 24 hours of continuing education (CE) every two years, including two hours in professional ethics. Individuals complete an affidavit with their application for license/certificate renewal or reinstatement affirming completion of the continuing education. The Board conducts random audits and requires selected individuals to substantiate the number of hours they reported by submitting documentation of their courses and activities. Disciplinary action may be taken against those found to have falsely reported continuing education. The Board audited the continuing education of approximately 100 licensees and certificate holders plus one-third of the Board members during the biennium. Eight licenses were reprimanded for failure to complete CE requirements and making material false statements on a renewal application.

# EXECUTIVE SUMMARY

## Verifications of Examination and Licensure

The Board staff processed 4,417 verification requests from examinees, licensees and certificate holders during the biennium. The verifications include examination results, licensure history and disciplinary action and are sent to other states or the national councils on behalf of the individual requesting verification.

## Online Applications Initiative

The Board launched its first online applications for examination, certification, and licensure during the biennium. The following applications are now submitted to the Board by applicants via this system:

- Architect Initial Licensure
- Professional Engineer PE Exam/ Initial Licensure
- Professional Engineer Licensure by Comity
- Engineer-in-Training Classification

These application types represent 83% of all applications received by the Board. At the end of the biennium, more than 20% of all applications received were online applications.

Additional, the Board enhanced its Online Renewals system, offering unexpired licensee/certificate holders the ability to print on demand a license/certificate card with their current status as of that date.

## Outreach

Board members and staff provide educational outreach to citizens, legislators, building officials, fire marshals, other state agencies, professional organizations, schools and national councils. Topics include licensure, enforcement, continuing education, and statute and rule updates. The Board's opportunities and ability to present were significantly impacted during the biennium due to COVID-19. Nevertheless, the Board members and staff did give a half dozen presentations to interested parties.

The Board publishes a digital newsletter which includes all enforcement actions, rulemaking activities, renewal information and other issues pertinent to the public and the professions.

The Board's website hosts information about the Board and its activities. Individuals may download applications for examination, licensure and certification, view disciplinary actions, file complaints, renew licenses and certificates and search for licensees and CID certificate holders.

The Board also has an email bulletin and is present on several social media sites.

## Rule and Statute Changes

The Board did not adopt any rule changes during the biennium, and no changes were made to the statutes governing it.

## Budget

Application and licensure fees are set by the Legislature to cover the Board's direct and indirect costs. The Board collects these fees and deposits them into the state's General Fund. The biennial budget is comprised of legislative appropriations from the General Fund.

## National Councils

The National Councils are organizations made up of member boards from each jurisdiction. Each Council develops, administers and scores the examinations used for licensure in the United States. Each examination question is developed and tested over several exam administrations to create valid and reliable, psychometrically defensible examinations. The Councils facilitate professional mobility and promote uniformity of the U.S. licensure processes and help protect the public health, safety and welfare by leading the regulation of the various professions.

The Minnesota Board is a voting member and active participant in each of these Councils:



National Council  
of Examiners for  
Engineering and  
Surveying

NCEES



National Association  
of State Boards  
of Geology



Council of  
Landscape  
Architectural  
Registration  
Boards



Council for  
Interior Design  
Qualification



Council of  
Soil Science  
Examiners



National Council of Architectural  
Registration Boards



## Operations Under COVID-19

The COVID-19 pandemic continued to impact Board operations, most notably in efforts to assist applicants to reschedule exams that were canceled in the last biennium due to test center closures. All examinations that the Board administers (and for which approved candidates registered) were held. The Board met, as conditions warranted, either remotely or in person, and in accordance with Open Meeting Law (Chapter 13D). Board staff continued all their duties, including public-facing services (walk-in inquiries), meeting all statutory obligations.

## STATISTICAL METHODOLOGY

The statistics in this report, unless described otherwise, capture work specifically undertaken during the biennium.

For this reason, the applications received are not necessarily the same applications for which licenses/certificates were issued or exams were taken in the biennium. Nor are enforcement cases opened in a biennium necessarily the same cases closed during that

time. Both cases and some applications may be open over multiple years, straddling bienniums.

Therefore, so as not to underreport actual work undertaken, all statistics reflect a snapshot of the task (“cases opened,” “licenses issued,” “exams taken,” “applications received”) specifically during the biennium, regardless of whether all preceding or following tasks occurred in the same the biennium.

# BOARD MEMBERS

During the biennium Board members spent a total of 2,756 hours on Board business including: attendance at Board meetings, review of applicant credentials, enforcement, education, legislation, and representing Minnesota on national committees.

All members serve on at least one Board Committee and Section.



**PAUL VOGEL**  
Land Surveyor  
Duluth

**Chair**  
(Vice Chair FY 21)  
Appointed: 03/09/2016  
Reappointed:  
06/17/2020  
Term Ends: 01/01/2024  
FY 21/22: Complaint  
ELSGEO Section  
Total hours: 183.5



**KEITH RAPP**  
Professional Geologist  
Woodbury

**Vice Chair**  
(Treasurer FY 21)  
Appointed: 03/17/2015  
Reappointed: 07/02/2019  
Term Ends: 01/02/2023  
FY 21/22: Complaint  
(Chair FY 21)  
ELSGEO Section  
Total hours: 333.75



**MELISA RODRIGUEZ**  
Professional Engineer  
Minneapolis

**Treasurer**  
(FY 22)  
Appointed: 07/02/2019  
Term Ends: 01/02/2023  
FY 21/22: Rules  
ELSGEO Section  
(Chair FY 22)  
Total hours: 107.25



**DENISE KAZMIERCZAK**  
Professional Engineer  
Woodbury

**Secretary**  
(FY 22)  
Appointed: 07/23/2018  
Reappointed: 07/05/2022  
Term Ends: 01/05/2026  
FY 21/22: Complaint  
ELSGEO Section  
(Chair FY 21)  
Total hours: 179.25



**DANIEL BAAR**  
Land Surveyor  
Cambridge

Appointed: 07/23/2018  
Reappointed:  
07/02/2019  
Term Ends: 01/02/2023  
FY 21: Credentialing  
FY 22: Rules  
ELSGEO Section  
Total hours: 133.75



**PAUL BRANDT**  
Professional Soil Scientist  
Brooklyn Park

Appointed: 06/30/2021  
Term Ends: 01/06/2025  
FY 22: Credentialing  
ELSGEO Section  
Total hours: 18.75  
Replaced: Robert  
Whitmyer (16 hours)



**RACHEL DWYER**  
Public Member  
Maple Grove

Appointed: 07/01/2017  
Reappointed:  
06/23/2021  
Term Ends: 01/06/2025  
FY 21/22: Credentialing  
(Chair)  
ELSGEO Section  
Total hours: 110.25



**ERIC FRISKE**  
Public Member  
Minneapolis

Appointed: 07/01/2017  
Reappointed:  
06/23/2021  
Term Ends: 01/06/2025  
FY 21/22: Complaint  
(Chair FY 22)  
ALACID Section  
Total hours: 126



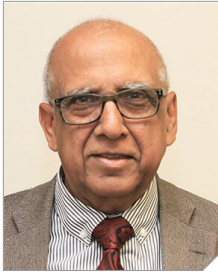
**SALLY GRANS KORSH**  
Architect  
Minneapolis

Appointed: 06/23/2021  
Term Ends: 01/06/2025  
FY22: Credentialing  
ALACID Section  
Total hours: 135.25  
Replaced: Wayne Hilbert  
(201 hours)



**SCOTT HOLM**  
Public Member  
New Hope

Appointed: 07/02/2019  
Term Ends: 01/02/2023  
FY 21/22: Credentialing  
ALACID Section  
Total hours: 121.25



**NIRMAL JAIN**  
Professional Engineer

Maple Grove

Appointed: 06/30/2014  
Reappointed: 07/23/2018  
Term Ended: 01/03/2022  
FY 21/22: Credentialing ELSGEO Section  
Total hours: 97.5



**DAN KELSEY**  
Professional Engineer

Roseville

Appointed: 07/01/2020  
Term Ends: 01/04/2024  
FY 21/22: Credentialing ELSGEO Section  
Total hours: 61.25  
Replaced: Daniel Murphy



**ERICA LARSON**  
Certified Interior Designer

Sunfish Lake

Appointed: 06/17/2020  
Term Ends: 01/04/2024  
FY 21/22: Credentialing ALACID Section  
Total hours: 36.25  
Replaced: Darcy Field



**JAMI NEIBER**  
Public Member

Maple Grove

Appointed: 07/02/2019  
Term Ends: 01/02/2023  
FY 21/22: Rules ELSGEO Section  
Total hours: 64.75



**MEG PARSONS**  
Architect

Minneapolis

(Chair FY 21)  
Appointed: 03/09/2016  
Reappointed: 06/17/2020  
Term Ends: 01/01/2024  
FY 21/22: Rules ALACID Section  
Total hours: 351.25



**TARI RAYALA**  
Architect

Duluth

Appointed: 07/02/2019  
Term Ends: 01/02/2023  
FY 21: Credentialing  
FY 22: Complaint ALACID Section  
Total hours: 94.75



**CLAUDIA REICHERT**  
Certified Interior Designer

Minneapolis

Appointed: 07/01/2017  
Reappointed: 06/23/2021  
Term Ends: 01/06/2025  
FY 21/22: Rules (Chair FY 22) ALACID Section  
Total hours: 77



**SCOTT ROBINSON**  
Landscape Architect

St. Paul

Appointed: 07/23/2018  
Term Ended: 01/03/2022  
FY 21: Complaint  
FY 22: Rules ALACID Section (Chair)  
Total hours: 95



**GRAHAM SONES**  
Landscape Architect

Waverly

Appointed: 07/01/2020  
Term Ends: 01/02/2024  
FY 21/22: Credentialing ALACID Section  
Total hours: 90



**DAVID STENSETH**  
Public Member

Woodbury

Appointed: 07/03/2017  
Reappointed: 06/23/2021  
Term Ends: 01/06/2025  
FY 21/22: Credentialing ALACID Section  
Total hours: 57.5



**TRAVIS THUL**  
Professional Engineer

Winona

Appointed: 06/23/2021  
Term Ends: 01/06/2025  
FY 22: Rules ELSGEO Section  
Total hours: 18.75  
Replaced: Dave Blume (46 hours)

# BOARD STAFF

When fully staffed, the Board office operates with seven employees who prepare applications for examination and licensure for Board member review, issue licenses and certificates, verify examination and licensure data, investigate complaints, and participate in legislative and rule writing initiatives. Every two years, the staff renews over 18,500 licenses and certificates in addition to their regular responsibilities.

Over the last two years, the following individuals have been employed by the Board:

CURRENT STAFF				
Name	Job Classification	Status	Dates of Service	
			Start	End
Doreen Johnson	Executive Director	.5	05/08/96	
Kay Weiss	State Program Administrator Supervisor Senior	FT	09/10/19	
Allison Desmond	Office and Administrative Specialist Intermediate	FT	08/05/14	
Leama Sather	Office and Administrative Specialist Intermediate	FT	11/20/14	
Mary Roguski	Office and Administrative Specialist Intermediate	FT	10/27/21	
Christie Vereide	Office and Administrative Specialist Intermediate	FT	06/03/21	
Lynette DuFresne	State Program Administrator Intermediate	TEMP PT	03/07/22	
Jordynn Poferl	State Program Administrator Intermediate	FT	06/08/22	
FORMER STAFF				
Susan Lick	Office and Administrative Specialist Intermediate	TEMP PT	06/01/21	05/31/22
Megan Berg	Office and Administrative Specialist Intermediate	FT	02/17/21	08/13/21
Dillon Lang	State Program Administrator Intermediate	FT	12/09/20	05/02/22

# BUDGET

## REVENUE

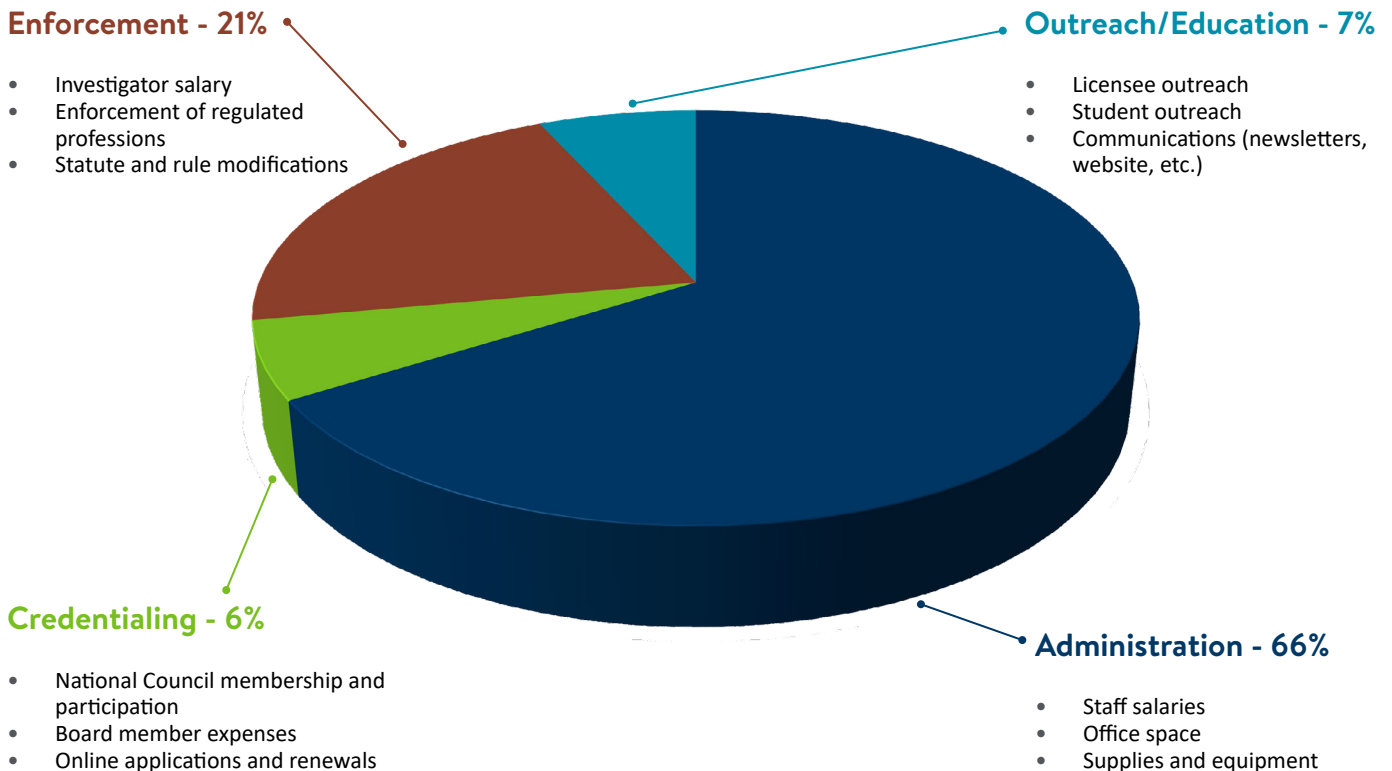
The Board generates non-dedicated receipts from collecting application, licensure, certification, renewal, and late fees. The fees are set by the Legislature to cover the direct and indirect costs for the Board and are deposited in the State's General Fund. Currently, the Board over-recovers for operations. The Board will be working with the Legislature to lower fees to correct this imbalance in future. The Board also deposits all fines and civil penalties it collects into the General Fund.



\*Revenue is significantly higher in Fiscal Year 2022 because licensees and certificate holders are required to renew by June 30 of even-numbered years.

## APPROPRIATIONS

In order to conduct business, the Board receives legislative appropriations from the State's General Fund. Expenditures include administration, information technology, enforcement, outreach and education, and credentialing activities. At the end of the biennium, any unused appropriations are returned to the State's General Fund.



# EXAMINATION

The Board evaluates the education and experience of applicants for admission to examinations required for licensure. The Board proctors the examinations for geology and soil science as well as the state-specific Minnesota Land Surveying Exam. These paper-and-pencil exams are offered twice per year. All other examinations are proctored by the various National Councils to applicants who have completed the education and experience requirements. Many of these are in process or already converted to computer-based, with some offered year round.

The following examinations were available to exam candidates during the last biennium.

## ARCHITECT REGISTRATION EXAM

- Computer-based, year round (Prometric Test Centers)

## FUNDAMENTALS OF ENGINEERING

- Computer-based, year round (Pearson-Vue Test Centers)

## PRINCIPLES AND PRACTICE OF ENGINEERING

Depending Upon Exam Discipline:

- Paper and pencil (Minneapolis) October 2020, April 2021, October 2021, April 2022
- Computer-based, various exam dates (Pearson-Vue Test Centers)

## FUNDAMENTALS OF SURVEYING; PRINCIPLES AND PRACTICE OF SURVEYING

- Computer-based, year round (Pearson-Vue Test Centers)

## MINNESOTA LAND SURVEYING EXAM

- Paper and pencil (St. Paul)
- October 2020, April 2021, October 2021, April 2022

## FUNDAMENTALS OF GEOLOGY; PRACTICE OF GEOLOGY

- Paper and pencil examination (St. Paul)
- September 2020, March 2021, October 2021, March 2022

## FUNDAMENTALS OF SOIL SCIENCE; PRACTICE OF SOIL SCIENCE

- Paper and pencil (St. Paul)
- November 2020, April 2021, November 2021, April 2022

# LICENSURE AND CERTIFICATION

The Board evaluates the credentials of applicants for initial licensure or certification to ensure that education, experience and examination requirements have been met. Additionally, every two years the Board renews the licenses and certificates of those who submit an application for renewal and report that they have obtained the required 24 professional development hours, including 2 hours in professional ethics. All licenses and certificates expire on June 30 of even-numbered years. Applications for renewal received after July 1 are considered late and are assessed a late renewal fee.

## NEW LICENSES AND CERTIFICATES ISSUED: 2,317

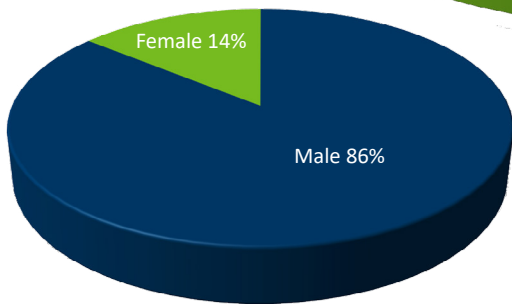
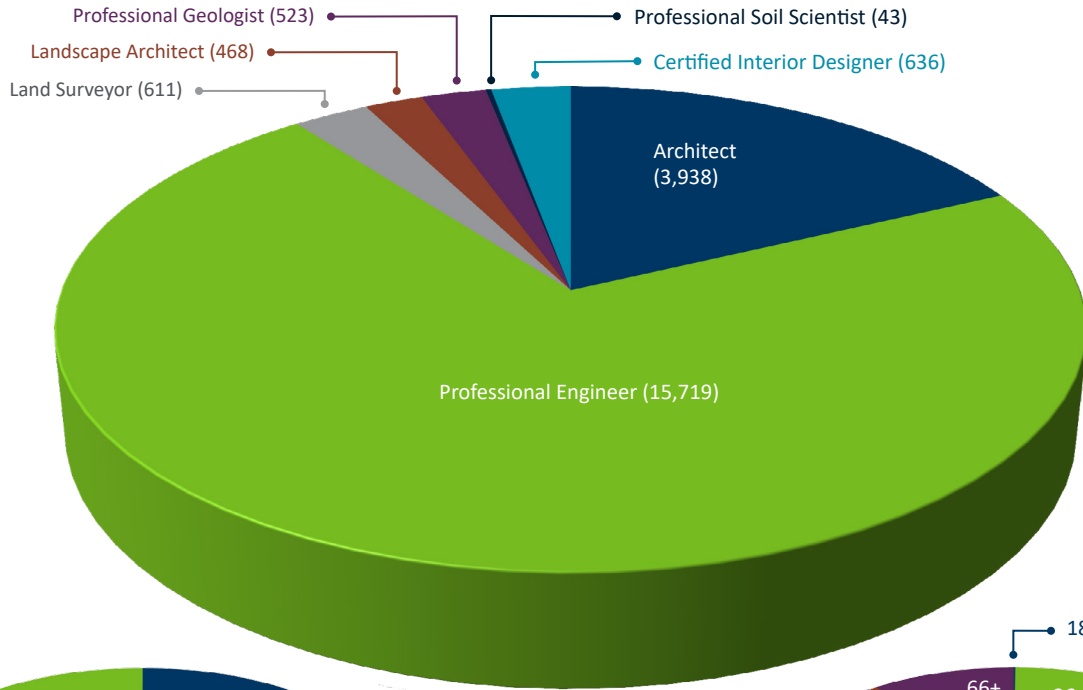
• Architect:	399
• Professional Engineer:	1747
• Land Surveyor:	38
• Landscape Architect:	49
• Professional Geologist:	38
• Professional Soil Scientist:	0
• Certified Interior Designer:	46

## LATE RENEWALS: 2,349 (For 2020-2022 period)

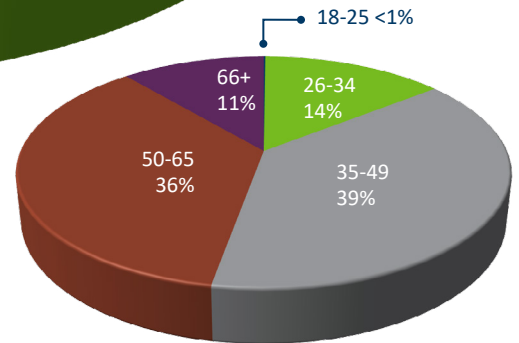
## 2022-2024 RENEWALS: 17,594 (As of 6/30/2022)

# STATISTICS AS OF JUNE 30, 2022

## TOTAL LICENSEES/CERTIFICATE HOLDERS: 21,938

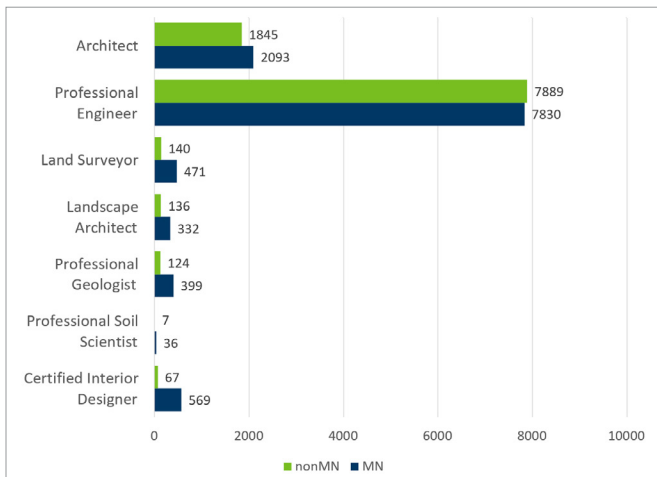


BY GENDER

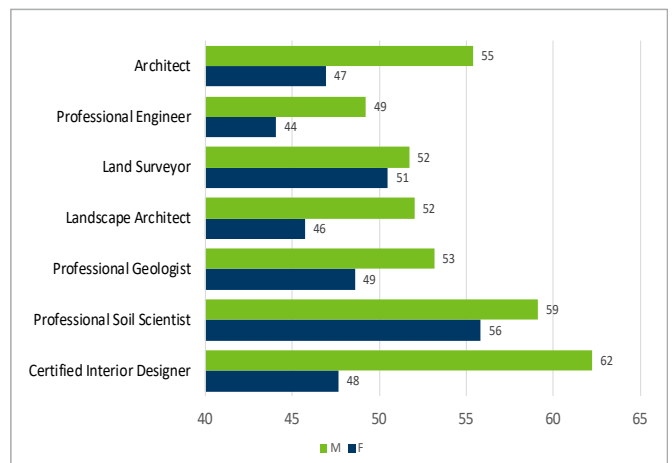


BY AGE

### RESIDENCY, BY PROFESSION



### AVERAGE AGE, BY GENDER AND PROFESSION



# ARCHITECTURE

## Architect Initial Licensure

Applicants for initial licensure first apply to the National Council of Architectural Registration Boards (NCARB) to sit for the six-section, computer-based Architect Registration Exam (ARE 5.0). The exam is offered at Prometric test centers year round. Candidates must pass all sections of the exam and meet education and experience requirements before obtaining a license.

### REQUIREMENTS FOR LICENSURE

- National Architectural Accrediting Board (NAAB) accredited degree;
- Completion of the National Council of Architect Registration Boards (NCARB) Architectural Experience Program (AXP); and
- Passage of all six parts of the Architect Registration Exam.

Upon completion of the requirements for licensure and payment of the license fee, a license number is issued.

### INITIAL LICENSES ISSUED

ARCHITECT INITIAL LICENSES*							
Residence / Gender	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN Female	1	22	11			34	27%
MN Male		44	32	4		80	65%
nonMN Female		3				3	2%
nonMN Male		7				7	6%
<b>Totals</b>	<b>1</b>	<b>76</b>	<b>43</b>	<b>4</b>	<b>—</b>	<b>124</b>	
As %	1%	61%	35%	3%	—		

\*See appendix for additional statistics.

### INITIAL LICENSE APPLICATIONS STATISTICS

- Applications received: 97
- Applications withdrawn: 3
  
- Applications reviewed: 125
- Applications approved: 124
- Applications not approved: 1

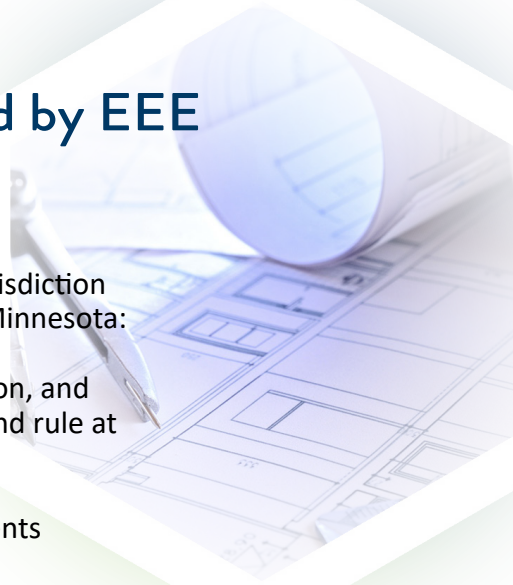


# Architect Licensure by Comity and by EEE

## REQUIREMENTS FOR LICENSURE

Individuals who have passed the examinations in another jurisdiction have two methods by which they can apply for licensure in Minnesota:

- **COMITY:** The applicant meets the education, examination, and experience requirements in place in Minnesota statute and rule at the time of their initial licensure in another jurisdiction.
- **“EEE”:** The applicant meets the current “Education,” “Examination,” and “Experience” (thus, “EEE”) requirements currently in Minnesota rule and statute.



## COMITY APPLICATIONS STATISTICS

- Applications received: 313
- Applications withdrawn: 16
- Applications reviewed: 292
- Applications approved: 252
- Applications not approved: 40

## EEE APPLICATIONS STATISTICS

- Applications received: 22
- Applications withdrawn: 0
- Applications reviewed: 22
- Applications approved: 22
- Applications not approved: 0

ARCHITECT COMITY LICENSES*							
Residence / Gender	Age					Approved	Not Approved
	18-25	26-34	35-49	50-65	66+		
MN Female		3	7	1		10	1
MN Male	1	9	15			25	—
nonMN Female		5	18	12		33	2
nonMN Male		11	90	101	19	184	37
<b>Totals</b>	<b>1</b>	<b>28</b>	<b>130</b>	<b>114</b>	<b>19</b>	<b>252</b>	<b>40</b>
As %	<1%	10%	45%	39%	7%	<b>292</b>	

\*See appendix for additional statistics.

ARCHITECT EEE LICENSES*							
Residence / Gender	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN Female						—	—
MN Male		1				1	5%
nonMN Female				3		3	14%
nonMN Male			4	14		18	82%
<b>Totals</b>	<b>—</b>	<b>1</b>	<b>4</b>	<b>17</b>	<b>—</b>	<b>22</b>	
As %	—	5%	18%	77%	—		

\*See appendix for additional statistics.

## COMITY AND EEE LICENSES ISSUED

Once approved for licensure and after submitting the license fee, a license as an Architect is issued. During the biennium, 275 licenses by comity and EEE combined were issued. For additional statistics, on comity and EEE licenses issued, see the appendix.

# PROFESSIONAL ENGINEERING

## Fundamentals of Engineering Examination

The computer-based Fundamentals of Engineering (FE) examination is the first exam on the path to licensure as a professional engineer.

- Anyone with an Engineering Accreditation Commission (EAC-ABET) accredited degree can register directly with the National Council of Examiners for Engineering and Surveying (NCEES). After successfully passing the examination, examinees may return to the Board to apply for an Engineer-in-Training certificate (see next page).
- Anyone without an EAC-ABET accredited degree applies to the Board, which determines whether the education is equivalent. After receiving approval, applicants register with the NCEES to take the exam. Once the applicant has passed the exam and submitted a final transcript, the Board issues an Engineer-In-Training (EIT) number. There is no additional fee to an FE exam applicant for their EIT.

### REQUIREMENTS FOR ADMISSION

- EAC-ABET accredited engineering degree (or equivalent); or
- Within 30 credits of graduation from an EAC-ABET accredited program.

### EXAMINATION PASS RATES

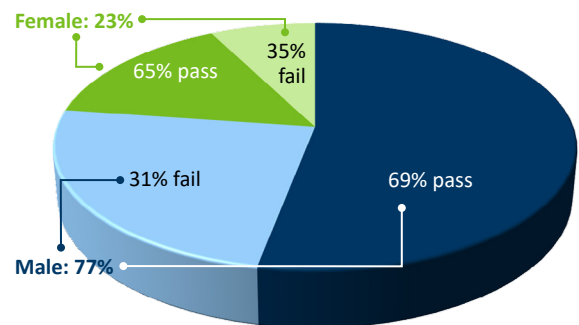
During the biennium, 66 FE applicants sat for the exam. Eight were non-Minnesota applicants.

- Applicants with passing score: 45
- Applicants with failing score: 21

### EXAM APPLICATION STATISTICS

- Applications received: 127
- Applications approved: 112
- Applications denied: 12
- Applications withdrawn: 3

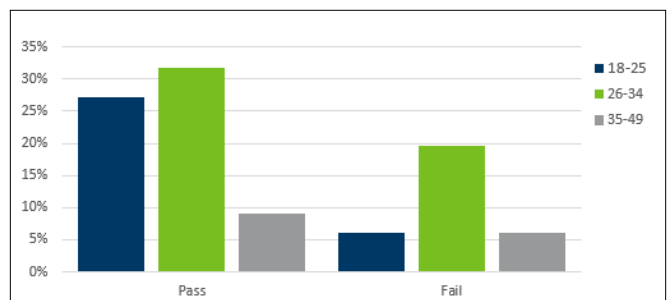
### RESULTS BY GENDER



FE EXAM APPLICATIONS*							
Residence / Gender	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN Female	10	12	6			28	22%
MN Male	26	44	13			83	65%
nonMN Female	1					1	1%
nonMN Male	3	7	5			15	12%
<b>Totals</b>	<b>40</b>	<b>63</b>	<b>24</b>	—	—	<b>127</b>	
As %	31%	50%	19%	—	—		

\*See appendix for additional statistics.

### RESULTS BY AGE



# Engineer-in-Training Certificate

The Engineer-in-Training or EIT Certificate is a credential that does not expire. It holds no practice privileges and is not a license. It is, however, a signal to employers that a job applicant or employee is serious about pursuing a career in professional engineering and has already passed one knowledge test required for eventual licensure: the FE exam.

The majority of those seeking to sit for the FE exam are eligible to register direct with NCEES by virtue of their EAC-ABET accredited degree. These individuals may choose to use the EIT certificate application, if they wish to receive an EIT certificate.

## REQUIREMENTS FOR EIT CERTIFICATE

- EAC-ABET accredited engineering degree (or equivalent), and
- Passing score on the Fundamentals of Engineering examination.



## EIT APPLICATION STATISTICS

- Applications received: 786
- Applications withdrawn: 12
- Applications reviewed: 754
- Applications approved: 754
- Applications denied: 0

EIT APPLICATIONS							
Residence / Gender	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN Female	113	28	3			144	19%
MN Male	398	120	24	1		543	72%
nonMN Female	13	2				15	2%
nonMN Male	26	25	1			52	7%
<b>Totals</b>	<b>550</b>	<b>175</b>	<b>28</b>	<b>1</b>	<b>—</b>	<b>754</b>	
As %	73%	23%	4%	<1%	—		

Including both EIT applicant and FE applicants who met the EIT certificate requirements, the Board issued a total of 854 EIT certificates in the biennium.

ALL EITS ISSUED, FE OR EIT APPLICATION*							
Residence / Gender	Age					Totals	
	18-25	26-34	35-49	50-65	66+		
MN Female	121	40	8			169	20%
MN Male	423	158	30	1		613	72%
nonMN Female	15	2				17	2%
nonMN Male	27	26	2			55	6%
<b>Totals</b>	<b>586</b>	<b>226</b>	<b>40</b>	<b>1</b>	<b>—</b>	<b>853</b>	
As %	69%	26%	5%	<1%	—		

\*See appendix for additional statistics.

# PROFESSIONAL ENGINEERING

## Principles and Practice of Engineering Examination

The second examination on the path to licensure as a professional engineer is the Principles and Practice of Engineering (PE) exam. The Board preapproves applicants to sit for the exam, which is proctored by the National Council of Examiners for Engineering and Surveying (NCEES). Examination scores are transferred to the Board for retention and release to applicants.

With a rule change in March 2020, applicants have the choice to “decouple” examination from experience, which means they can elect to sit for the examination prior to earning all the experience that will be required for licensure. Those that elect this option must present all required experience to the Board within three years of their application date or be required to reapply using the “EEE” option of the Comity/EEE PE Application (see page 22) in order to be approved for licensure.

Licenses are issued only after exam applicants pass the exam, provide evidence of meeting the experience requirements, and pay the license fee.

### REQUIREMENTS FOR ADMISSION

- EAC-ABET accredited degree (or equivalent); and
- Passing score on the Fundamentals of Engineering examination.

### REQUIREMENTS FOR LICENSURE

- PE exam requirements above; and
- Completion of 3-6 years of progressive engineering experience, depending on the applicant’s level of education.

### EXAM APPLICATION STATISTICS

- Applications received: 1190
- Applications reviewed for approval to sit for PE exam: 1124
- Applications approved: 1123
- Applications not approved: 1

The Board received in the biennium a total of 1190 new exam applications and reviewed 1122. Statistics below are for all applications received.

PE EXAM APPLICATIONS*							
Residence / Gender	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN Female	32	168	34			234	20%
MN Male	47	635	151	25		858	72%
nonMN Female		16	4			20	2%
nonMN Male	11	48	16	2	1	78	7%
<b>Totals</b>	<b>90</b>	<b>867</b>	<b>205</b>	<b>27</b>	<b>1</b>	<b>1190</b>	
As %	8%	73%	17%	2%	<1%		

\*See appendix for additional statistics.

## EXAM DISCIPLINE STATISTICS

Exam applicants choose between sixteen different examination disciplines (some with subdisciplines) for the PE exam. Applicants to the 16-hour Structural exam must pass both the Lateral and Vertical Forces sections to be considered as having passed the PE exam.

How the exams are administered has undergone rapid change in the last several years. While the exams were originally paper-and-pencil format and offered just one or two times a year, all but the Structural (targeted for 2024) are now converted to computer-based (CBT) format and several are now offered year round.



### PE EXAM RESULTS

Exam Discipline	Year Round				October 2020				April 2021				October 2021				April 2022				Totals
	Pass	Fail	NS	NR	Pass	Fail	NS	NR	Pass	Fail	NS	NR	Pass	Fail	NS	NR	Pass	Fail	NS	NR	
Agricultural & Biological													3								3
Architectural									1												1
Chemical	8	5	1																		14
Civil	101	24			178	65	7	5	144	49	8	19	97	34	9	19					759
Control Systems					1	2		1					3	1		1					9
Electrical & Computer	Computer					1										1					2
	Electrical					1							1								2
	Electronics			1		1							1			1					4
	Power	55	23				1														79
Environmental	32	6																			38
Fire Protection	1												2								3
Industrial & Systems	1												2	1							4
Lateral Forces					3	3		2	7	3	1	2		1		2	2	6	2	5	39
Mechanical	91	19		1	2	1							3								117
Metallurgical					3								1								4
Mining/Mineral																					—
Vertical Forces					6	5		2	4	2		2	1			2	6	7		2	39
	289	77	2	1	195	78	7	10	156	54	9	23	114	37	9	26	8	13	2	7	1117

NR = Not Registered    NS = No Show for Exam

# PROFESSIONAL ENGINEERING

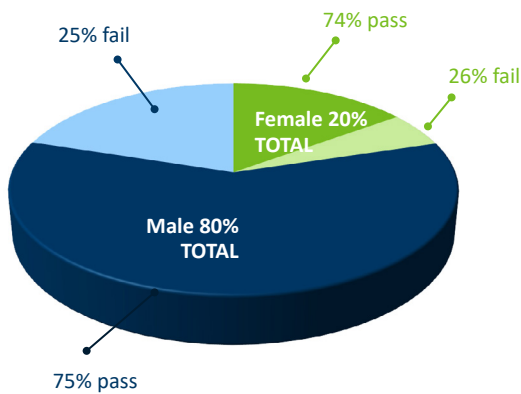
## Principles and Practice of Engineering Examination

### EXAM DEMOGRAPHICS

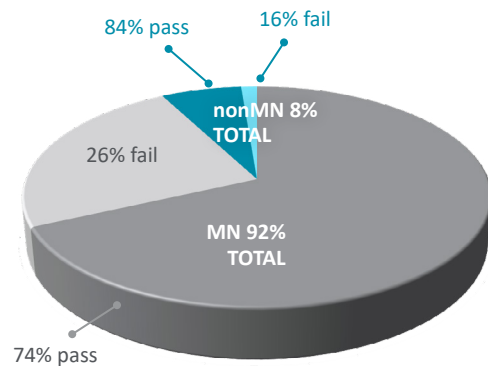
PE EXAM STATISTICS											
Residence / Gender	Age					Pass	Fail	No Show	No Reg	TOTALS	As %
	18-25	26-34	35-49	50-65	66+						
MN Female	12	172	25			140	50	6	13	209	19%
MN Male	22	621	157	22		556	196	22	48	822	74%
nonMN Female		17	2			13	4		2	19	2%
nonMN Male	3	55	8	1		53	9	1	4	67	6%
<b>Totals</b>	<b>37</b>	<b>865</b>	<b>192</b>	<b>23</b>	<b>—</b>	<b>762</b>	<b>259</b>	<b>29</b>	<b>67</b>	<b>1117</b>	
As %	3%	78%	17%	2%	—	68%	23%	3%	6%		

### EXAM PASS/FAIL

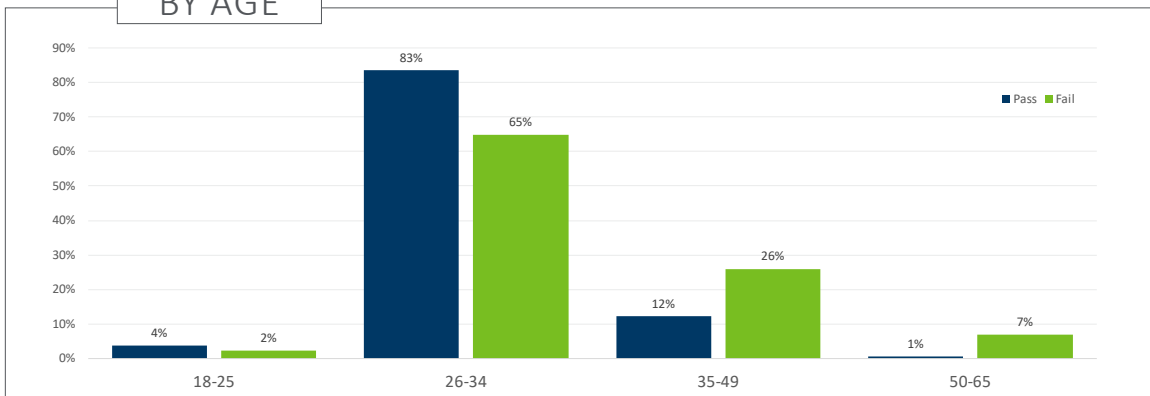
BY GENDER



BY RESIDENCY



BY AGE



# Professional Engineer Licensure by Examination (“Initial Licensure”)

After passing the two exams and submitting verified documentation of the experience required based upon their education, PE exam applicants have their completed file reviewed by the Board for licensure. Once approved, after submitting the license fee, a license is issued.

During the biennium, the Board licensed 582 professional engineers by examination (“initial licensure”).



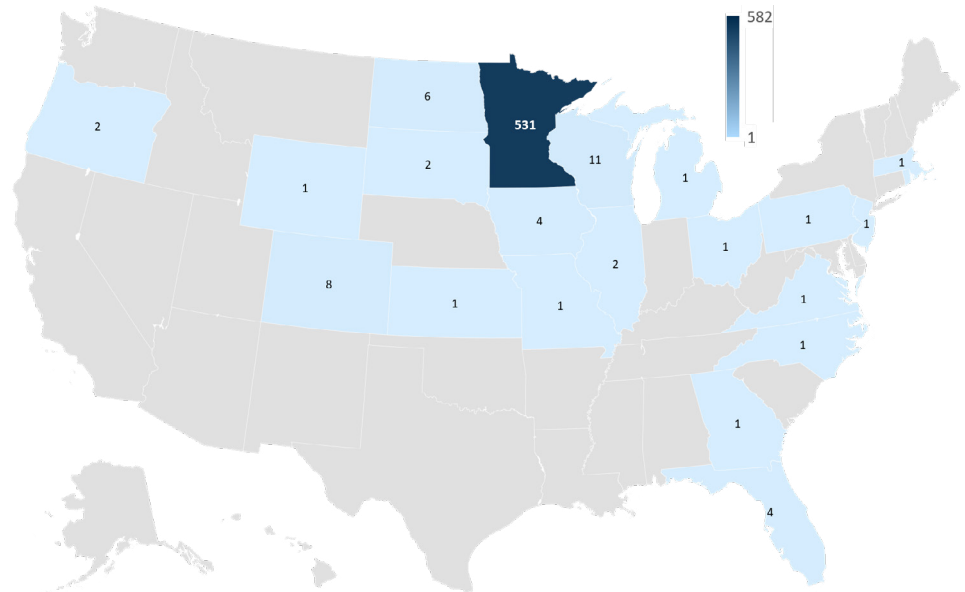
## SUMMARY STATISTICS

LICENSURE BY EXAMINATION*							
Residence / Gender	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN Female	1	85	11			97	17%
MN Male	2	361	67	4		434	74%
nonMN Female		10	1			11	2%
nonMN Male		34	6			40	7%
<b>Totals</b>	<b>3</b>	<b>490</b>	<b>85</b>	<b>4</b>	<b>—</b>	<b>582</b>	
As %	1%	84%	15%	1%	—		

\* See appendix for additional statistics.

## STATE OF RESIDENCY

Ninety-one percent of those who apply for licensure by examination are Minnesota residents. The remainder are distributed throughout a handful of states.



# PROFESSIONAL ENGINEERING

## Professional Engineer Licensure by Comity and by EEE

### REQUIREMENTS FOR LICENSURE

Individuals who have passed the examinations in another jurisdiction have two methods by which they can apply for licensure in Minnesota:

- **COMITY:** The applicant meets the education, examination, and experience requirements in place in Minnesota statute and rule at the time of their initial licensure in another jurisdiction.
- **“EEE”:** The applicant meets the current “Education,” “Examination,” and “Experience” (thus, “EEE”) requirements currently in Minnesota rule and statute.

### COMITY/EEE DENIAL STATISTICS

PE COMITY/EEE APPLICATIONS DENIED							
Residence / Gender	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN Female						1	1
MN Male		1	1	1		3	8%
nonMN Female			2			2	5%
nonMN Male	—	4	12	12	5	33	87%
<b>Totals</b>	—	5	15	13	5	38	
As %		13%	40%	34%	13%		

### COMITY APPLICATION STATISTICS\*

- Applications received: 967
- Applications withdrawn: 17
- Applications reviewed: 928
- Applications approved: 895
- Applications not approved: 33

### EEE APPLICATION STATISTICS\*

- Applications received: 311
- Applications withdrawn: 4
- Applications reviewed: 284
- Applications approved: 279
- Applications not approved: 5

### LICENSES BY COMITY/EEE

Once approved and after submitting the license fee, a license is issued. A total of 1,165 individuals submitted the fee and were licensed as professional engineers by comity/EEE.

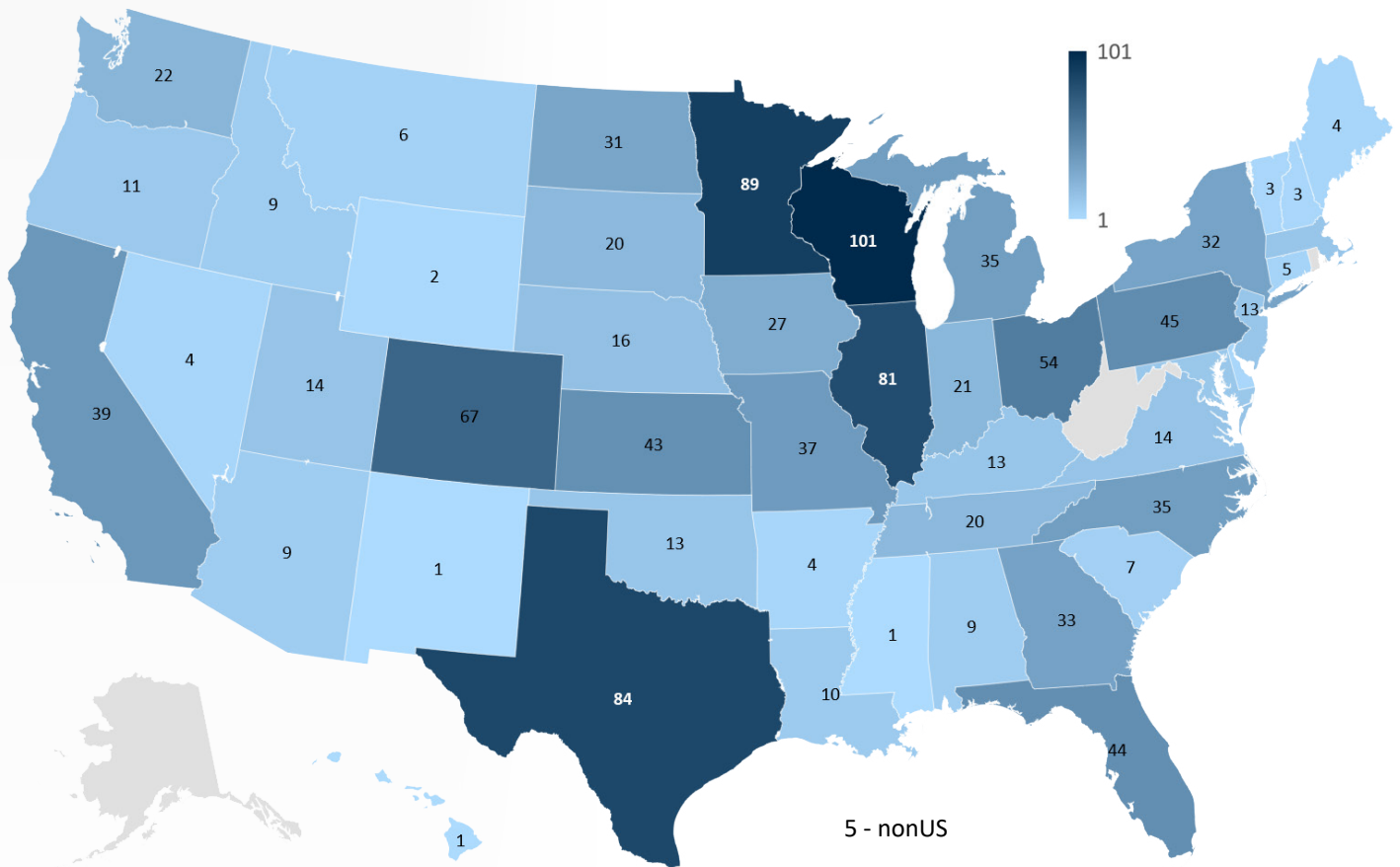
PE COMITY/EEE LICENSES							
Residence / Gender	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN Female		11	6			17	1%
MN Male		35	34	2	1	72	6%
nonMN Female		25	50	14		89	8%
nonMN Male	—	227	482	248	30	987	85%
<b>Totals</b>	—	298	572	264	31	1165	
As %		25%	49%	23%	3%		

## STATE OF RESIDENCY, COMITY/EEE\*

Those licensed by comity/EEE included residents of 49 states as well as 3 provinces in Canada.

Top five states (excluding Minnesota):

- Wisconsin: 101
- Texas: 84
- Illinois: 81
- Colorado: 67
- Ohio: 54



\*See appendix for additional statistics.

# LAND SURVEYING

## Fundamentals of Surveying Examination

The computer-based Fundamentals of Surveying (FS) examination is the first exam on the path to licensure as a land surveyor. After receiving approval from the Board, applicants register with the National Council of Examiners for Engineering and Surveying (NCEES) to take the exam. Once the applicant has passed the exam and submitted a final transcript, the Board issues a Land Surveyor-In-Training (LSIT) number. This credential does not expire and there is no fee to the applicant for the credential.

### REQUIREMENTS FOR ADMISSION

- Bachelor’s degree in land surveying or being within 32 semester credits of graduating with the degree; or
- Bachelor’s degree plus 22 semester credits in land surveying or being within 32 credits of graduating with the degree and completion of a minimum of 11 semester credits in land surveying.

### APPLICATION STATISTICS

- Applications received: 39
- Applications approved: 37
- Applications not approved: 2
- Minnesota residents: 38
- non-Minnesota residents: 1

### EXAMINATION RESULTS

- Applicants with passing score: 23
- Applicants with failing score: 4

FS EXAMINATION**							
Result	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
Pass	5	8	10			23	85%
Fail	1	3				4	15%
<b>Totals</b>	<b>6</b>	<b>11</b>	<b>10</b>	—	—	<b>27</b>	
As %	22%	41%	37%	—	—		

\*\*Additional land surveying exam statistics are not included in this report because the applicant pool is so small it is conceivable that the general public could deduce applicants’ approval status or exam results, thus potentially violating the Minnesota Data Practices Act.

# Principles and Practice of Surveying Examination

The computer-based Principles and Practice of Surveying (PS) examination is the second examination on the path to licensure as a land surveyor. As with FS, applicants register with NCEES after receiving approval from the Board. Examination scores are transferred to the Board for retention and release to applicants.



## REQUIREMENTS FOR ADMISSION

- Bachelor’s degree in land surveying or bachelor’s degree plus 22 semester credits in surveying;
- Passing score on the Fundamentals of Surveying Exam; and
- 6,000 – 9,920 hours (depending on education) of qualifying land surveying experience in specific categories.

## APPLICATION STATISTICS

- Applications received: 31
- Applications approved: 29
- Applications not approved: 2
- Minnesota residents: 29
- non-Minnesota residents: 2

## EXAMINATION RESULTS

- Applicants with passing score: 23
- Applicants with failing score: 4

PS EXAMINATION**							
Result	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
Pass		13	10			23	85%
Fail		2	2			4	15%
<b>Totals</b>	—	4	16	—	—	24	
As %	—	56%	44%	—	—		

# LAND SURVEYING

## Minnesota Land Surveying Examination

In addition to the Principles and Practice of Surveying (PS) examination, applicants for licensure as a land surveyor must pass the Minnesota Land Surveying (MNLS) exam. The examination is paper-and-pencil and administered by Board staff trained to proctor examinations. During the biennium, this examination was offered four times. Anyone approved for the April 2020 examination, which was canceled, was allowed to sit for the October 2020 administration.

The Board contracts with TEST, Inc., to ensure a valid and reliable, psychometrically defensible examination. Applicants must pass both the PS and MNLS examinations and pay the license fee before a license is issued.

### REQUIREMENTS FOR ADMISSION

Candidates for the MNLS are both those that have been approved for the Principles and Practice of Surveying exam and those seeking licensure as a land surveyor by comity/EEE (see next page). Applicants who fail the exam may reapply.

### EXAMINATION DATES

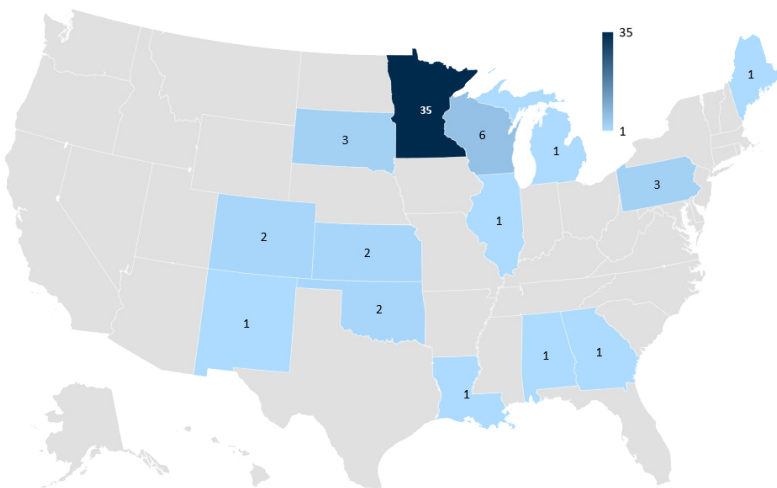
- October 2020
- October 2021
- April 2021
- April 2022

### EXAMINATION RESULTS

- Applicants approved: 60
- Applicants with passing score: 40
- Applicants with failing score: 18
- No shows for examination: 2

MNLS EXAM STATISTICS**							
Residence / Result	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN - Pass		14	12			26	45%
MN - Fail		3	5	1		9	<16%
nonMN - Pass		4	8	2		14	24%
nonMN - Fail		1	4	4		9	<16%
<b>Totals</b>	—	<b>22</b>	<b>29</b>	<b>7</b>	—	<b>58</b>	
As %	—	38%	50%	12%	—		

### EXAMINEE STATE OF RESIDENCE



\*\*Additional land surveying exam and licensure statistics are not included in this report because the applicant pool is so small it is conceivable that the general public could deduce applicants' approval status or exam results, thus potentially violating the Minnesota Data Practices Act.

# Land Surveyor Licensure

Upon passing the FS, PS and MNLS examinations and paying the license fee, individuals who applied for a license “by exam” are issued a license number.

Individuals who have passed the FS and PS examinations in another jurisdiction and then pass the MNLS exam may have their application for licensure in Minnesota reviewed by either:

- **Comity:** The applicant meets the education, examination, and experience requirements in place in Minnesota statute and rule at the time of their initial licensure in another jurisdiction.
- **“EEE”:** The applicant meets the current “Education,” “Examination,” and “Experience” (thus, “EEE”) requirements currently in Minnesota rule and statute.



## LICENSES BY ALL METHODS

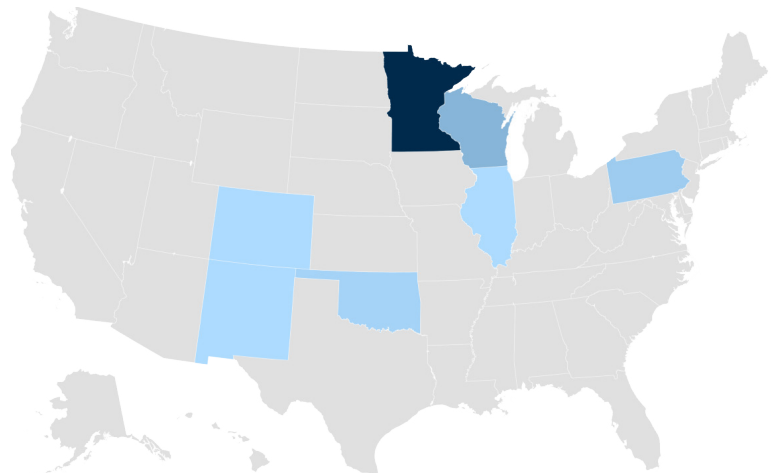
Combining all methods, 38 applicants received a land surveying license in the biennium. Most licensees were Minnesota or Wisconsin residents.

## COMITY/EEE APPLICATION STATISTICS \*\*

All the applicants were male.

- Applications received: 27
- Applications withdrawn: 3
- Applications reviewed: 24
- Applications approved: 21
- Applications not approved: 3

LAND SURVEYOR LICENSES ISSUED**							
Method	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
Examination		12	10			22	58%
Comity/EEE		4	10	2		16	42%
<b>Totals</b>	—	16	20	2	—	38	
As %	—	42%	53%	5%	—		



# LANDSCAPE ARCHITECTURE

## Landscape Architect Initial Licensure

Applicants for licensure as a landscape architect first apply directly to the Council of Landscape Architectural Registration Boards (CLARB) for admission to the Landscape Architect Registration Exam (LARE). The LARE is made up of four sections and is offered three times per year over a two-week period in April, August and December. After an individual has successfully passed all four sections of the examination, they may apply to the Board for initial licensure.

### REQUIREMENTS FOR LICENSURE

- Education
  - Bachelor’s degree from a 4-year Landscape Architectural Accreditation Board (LAAB)-accredited curriculum; or
  - Bachelor’s degree from a 5-year LAAB-accredited curriculum; or
- Master’s or doctorate degree from an LAAB-accredited curriculum;
- Passing score on all four sections of the LARE; and
- Completion of three to four years of qualifying professional experience (depending on education) under the direct supervision of a licensed landscape architect.

### APPLICATION STATISTICS

- Applications received: 24
- Applications withdrawn: 0
- Applications reviewed: 26
- Applications approved: 25
- Applications not approved: 1

### INITIAL LICENSES ISSUED

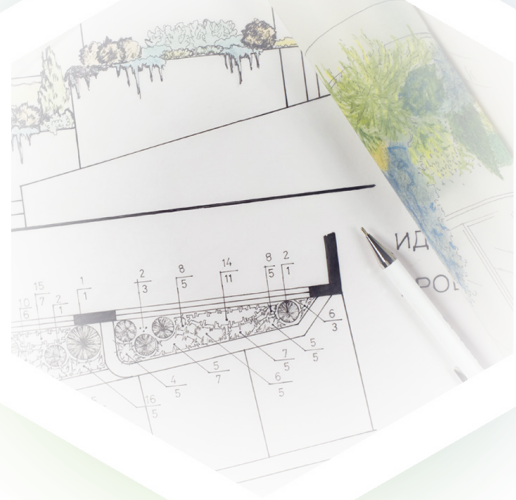
With the exception of one additional application from the previous biennium, and subtraction of one applications approved in the current biennium the same applicant approved for licensure submitted the required fee and received their initial license as a landscape architect.

LANDSCAPE ARCHITECT INITIAL LICENSES**								
Residence	Age					Female	Male	Totals
	18-25	26-34	35-49	50-65	66+			
MN		13	7	2		17	8	22
nonMN		3						3
<b>Totals</b>	—	<b>16</b>	<b>7</b>	<b>2</b>	—			<b>25</b>
As %		64%	28%	8%	—	68%	32%	

# Landscape Architect Licensure by Comity

## REQUIREMENTS FOR LICENSURE

- Current licensure in another jurisdiction; and
- Completion of the education, examination and experience requirements in place at the time of the applicant’s original licensure in their base state.



## COMITY APPLICATION STATISTICS

- Applications received: 21
- Applications withdrawn: 2
- Applications reviewed: 24
- Applications approved: 24
- Applications not approved: 0

## LICENSES ISSUED BY COMITY

During the biennium 24 previously approved applicants provided the license fee and were issued a license as a landscape architect by comity.

LANDSCAPE ARCHITECT COMITY APPLICATIONS**								
Residence	Age					Female	Male	Totals
	18-25	26-34	35-49	50-65	66+			
MN		1	2			5	16	<b>3</b>
nonMN		1	10	6	1			<b>18</b>
<b>Totals</b>	—	<b>2</b>	<b>12</b>	<b>6</b>	<b>1</b>			<b>21</b>
As %	—	9%	57%	29%	5%	21%	79%	

LANDSCAPE ARCHITECT COMITY LICENSES**								
Residence	Age					Female	Male	Totals
	18-25	26-34	35-49	50-65	66+			
MN		1	2			5	19	<b>3</b>
nonMN		1	14	6				<b>21</b>
<b>Totals</b>	—	<b>2</b>	<b>16</b>	<b>6</b>	—			<b>24</b>
As %		8%	67%	25%	—	21%	79%	

\*\*Additional statistics are not included in this report because the applicant pool is so small it is conceivable that the general public could deduce applicants’ approval status, thus potentially violating the Minnesota Data Practices Act.

# PROFESSIONAL GEOLOGY

## Fundamentals of Geology Examination

The Fundamentals of Geology (FG) examination is the first exam on the path to licensure as a professional geologist. The examination is a paper-and-pencil examination given two times per year, once in March and once in October. Anyone approved for the March 2020 examination, which was canceled, was allowed to sit for the October 2020 administration.

Applicants are preapproved by the Board for the examination which is administered by Board staff trained to proctor examinations. Once the applicant has passed the exam and submitted a final transcript, the Board issues a Geologist-In-Training (GIT) number. This credential does not expire and there is no fee to the applicant for the credential.

### REQUIREMENTS FOR ADMISSION

- Bachelor’s degree or higher with a minimum of 30 semester credits divided among at least five geology areas of study as identified in Minnesota Rule 1800.3910; or
- Bachelor’s degree or higher with 20 semester credits as described above.

### APPLICATION STATISTICS

- Applications received: 126
- Applications withdrawn: 4
- Applications approved: 122
- Applications not approved: 0

FG EXAM APPLICATIONS*							
Residence / Gender	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN Female	38	7	2	1		48	38%
MN Male	34	24	8	1		67	53%
nonMN Female	3	2				5	4%
nonMN Male	4	2				6	5%
<b>Totals</b>	<b>79</b>	<b>35</b>	<b>10</b>	<b>2</b>	<b>—</b>	<b>126</b>	
As %	63%	28%	8%	2%	—		

\*See appendix for additional statistics.

### EXAMINATION DATES

- October 2020
- March 2021
- October 2021
- March 2022

### EXAMINATION RESULTS

- Applicants with passing score: 109
- Applicants with failing score: 41
- No shows for examination: 16

FG EXAM STATISTICS**							
Residence / Result	Age					Female	Male
	18-25	26-34	35-49	50-65	66+		
MN - Pass	57	35	9			42	59
MN - Fail	26	12	2			16	24
nonMN - Pass	5	1	2			2	6
nonMN - Fail	1					—	1
<b>Totals</b>	<b>89</b>	<b>48</b>	<b>13</b>	<b>—</b>	<b>—</b>	<b>60</b>	<b>90</b>
As %	59%	32%	9%	—	—	38%	62%

\*\*Statistics for each individual exam administration are not included in this report because the applicant pool for each examination is so small it is conceivable that the general public could deduce which applicants passed the examination and which failed, thus potentially violating the Minnesota Data Practices Act.

## Practice of Geology Examination

The Practice of Geology (PG) examination is the second exam on the path to licensure as a professional geologist. The examination is a paper-and-pencil examination given two times per year, once in March and once in October. Applicants are preapproved by the Board for the examination which is administered by Board staff trained to proctor examinations. Licenses are issued to exam applicants who pass the exam and pay the license fee.

Anyone approved for the April 2020 examination, which was canceled, was allowed to sit for the October 2020 administration.



## REQUIREMENTS FOR ADMISSION

- Bachelor’s degree or higher with a minimum of 30 semester credits divided among at least five geology areas of study as identified in Minnesota Rule 1800.3910;
- Passing score on the Fundamentals of Geology exam; and
- Completion of four to five years of qualifying professional experience (depending on education) under the direct supervision of a licensed professional geologist.

## APPLICATION STATISTICS

- Applications received: 29
- Applications withdrawn: 3
- Applications approved: 25
- Applications not approved: 1

## EXAMINATION RESULTS

- Applicants with passing score: 29
- No shows for examination: 1

PG EXAM STATISTICS**							
Residence / Result	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN Female		7				7	24%
MN Male		14	2			16	55%
nonMN Female		1	1			2	7%
nonMN Male		2	2			4	14%
<b>Totals</b>	—	<b>24</b>	<b>5</b>			<b>29</b>	
As %	—	83%	17%	—	—		

\*\*Statistics for each individual exam administration are not included in this report because the applicant pool for each examination is so small it is conceivable that the general public could deduce which applicants passed the examination and which failed, thus potentially violating the Minnesota Data Practices Act.

# PROFESSIONAL GEOLOGY

## Professional Geology Licensure by Comity and by EEE

### REQUIREMENTS FOR LICENSURE

Individuals who have passed the examinations in another jurisdiction have two methods by which they can apply for licensure in Minnesota:

- **COMITY:** The applicant meets the education, examination, and experience requirements in place in Minnesota statute and rule at the time of their initial licensure in another jurisdiction.
- **“EEE”:** The applicant meets the current “Education,” “Examination,” and “Experience” (thus, “EEE”) requirements currently in Minnesota rule and statute.

### COMITY/EEE APPLICATION STATISTICS

- Applications received: 15
- Applications withdrawn: 1
- Applications reviewed: 12
- Applications approved: 10
- Applications not approved: 2

PG COMITY/EEE APPLICATIONS**							
Residence / Result	Age					Approved	Not Approved
	18-25	26-34	35-49	50-65	66+		
MN		1	4	1	1	5	2
nonMN			4	1		5	0
<b>Totals</b>	—	1	8	2	1	10	2
As %	—	8%	67%	17%	8%	83%	17%

### LICENSES BY ALL METHODS

During the biennium 38 previously approved applicants provided the license fee and were issued a license as a professional geologist.

PG LICENSES ISSUED**									
State of Residence	Age					Gender		Method	
	18-25	26-34	35-49	50-65	66+	Female	Male	Initial	Comity or EEE
MN		21	5	1		7	20	22	5
nonMN		3	7	1		2	9	6	5
<b>Totals</b>	—	24	12	2	—	9	29	28	10
As %	—	63%	32%	5%	—	24%	76%	74%	26%

\*\* Additional statistics are not included in this report because the applicant pool is so small it is conceivable that the general public could deduce which applicants were approved for licensure and which were not, thus potentially violating the Minnesota Data Practices Act.

# PROFESSIONAL SOIL SCIENCE

## Fundamentals of Soil Science Examination

The Fundamentals of Soil Science (FSS) examination is the first on the path to licensure as a professional soil scientist (PSS). Once the applicant has passed the exam and submitted a final transcript, the Board issues a Soil Scientist-In-Training (SSIT) number. This credential does not expire and there is no fee for it.

## REQUIREMENTS FOR ADMISSION

- Bachelor's degree or higher with a minimum of 16 semester credits in soil science and 14 semester credits in closely related geoscience courses (see Minnesota Rules 1800.3910); or
- Bachelor's degree with 12 semester credits in soil science and 10 in closely related geoscience courses (option to sit early).

## Professional Practice of Soil Science Examination

The second examination on the path to licensure is the Professional Practice Exam (PSS). Licenses are issued to exam applicants who pass the exam and pay the license fee.

## REQUIREMENTS FOR ADMISSION

- Completion of the first bulleted educational requirement for the FSS (education for licensure under Minnesota Rules 1800.3910);
- Passing score on the FSS; and
- Completion of (depending on education) four or five years of qualifying experience obtained under the direct supervision of a licensed geologist, soil scientist or professional engineer.



## Professional Soil Science Licensure by Comity

## REQUIREMENTS FOR LICENSURE

Current licensure in another jurisdiction; and completion of the education, examination and experience requirements in place at the time of the applicant's original licensure in their base state.

## APPLICATION AND LICENSURE STATISTICS\*\*

The Board received four applications for the FSS exam; the correlating exams took place in November 2020 and April 2021, administered by Board staff trained as proctors.

No applications for the PSS exam nor for licensure were received during the biennium.

\*\* Additional statistics are not included in this report because the applicant pool is so small it is conceivable that the general public could deduce information regarding the applicants, thus potentially violating the Minnesota Data Practices Act.

# CERTIFIED INTERIOR DESIGN

## Certified Interior Design (CID) Initial Certification

The use of the title “Certified Interior Designer” is protected under Minnesota Statutes §§326.02-326.15. Individuals who wish to use the title must first apply to the Council for Interior Design Qualification (CIDQ) for admission to the National Council for Interior Design Qualification (NCIDQ) examination. The three-section exam is offered two times per year in April and September/October. After passing, the individual may apply to the Board for certification.

### CERTIFICATION REQUIREMENTS

- Graduation from a Council for Interior Design accredited bachelor’s or master’s program including 60 semester credits in interior design;
- Passing score on all three sections of the NCIDQ exam; and
- Completion of two to four years of qualifying professional experience (depending on education) under the direct supervision of a CID, NCIDQ certificate holder or architect.

Architects licensed in Minnesota are deemed to have met these requirements and may apply for certification.

### APPLICATION STATISTICS

- Applications received: 49
- Applications approved: 48
- Applications not approved: 1

CID INITIAL APPLICATIONS							
Residence / Gender	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN Female	1	25	11	2		39	80%
MN Male		1	2	3	1	7	14%
nonMN Female			1	1		2	4%
nonMN Male				1		1	2%
<b>Totals</b>	<b>1</b>	<b>26</b>	<b>14</b>	<b>7</b>	<b>1</b>	<b>49</b>	
As %	2%	53%	29%	14%	2%		

## CID by Comity

### CERTIFICATION REQUIREMENTS

- Current licensure or certification in another jurisdiction; and
- Completion of the education, examination and experience requirements in place at the time of the applicant’s original licensure in their base state.

### APPLICATION STATISTICS

- Applications received: 2
- Applications withdrawn: 0
- Applications approved: 1
- Applications not approved: 1

### CERTIFICATIONS ISSUED

During the biennium 46 applicants were issued a certificate as a certified interior designer.

CERTIFICATIONS ISSUED									
State of Residence	Age					Gender		Method	
	18-25	26-34	35-49	50-65	66+	Female	Male	Initial	Comity
MN	1	21	10	2		34		33	1
		1	2	3	1		7	7	—
nonMN		1	2	1		4		3	1
				1			1	1	—
<b>Totals</b>	<b>1</b>	<b>23</b>	<b>14</b>	<b>7</b>	<b>1</b>	<b>38</b>	<b>8</b>	<b>44</b>	<b>2</b>
As %	2%	50%	31%	15%	2%	83%	17%	96%	4%

\*Additional statistics are not included in this report because the applicant pool is so small it is conceivable that the general public could deduce which applicants were not approved thus potentially violating the Minnesota Data Practices Act.

# ENFORCEMENT

In order to fulfill its mission to protect the health, safety and welfare of the public, the Board enforces its statutes and rules and investigates complaints filed with the Board.

After the investigator gathers the facts, the Complaint Committee determines whether a violation has occurred. The Committee may recommend disciplinary action to the full Board.

During the biennium, the Board closed 126 complaints and opened 135 new files.

## Complaint Allegations

Below is the tally of allegations in cases opened during the biennium. A single complaint may have multiple allegations.

TYPE	TOTAL
Code of Conduct Violation	52
Failed to Complete CE Requirements	27
Failure to Cooperate	11
Holding Out	28
Illegal Plan Stamping	7
Incompetence	1
Misconduct	16
Negligence	2
Noncompliant Certification	4
Other	15
Practicing Without a License	45
Signed Drawing Without Proper License	1
Submitted a Materially False Statement When Renewing	3
Unlicensed Practice	5



## Complaint Resolutions

Below is the tally of resolutions for cases closed during the biennium. A single case may have multiple resolutions.

TYPE	TOTAL
Closed by Board Due to Extenuating Circumstances	2
Complainant Declined Authorization	3
Corrective Action Taken	14
Educational Outreach	1
No Jurisdiction	9
No Violation	34
Settlement Agreement and Cease and Desist Order	2
Stipulation and Consent Order	22
Unable to Substantiate	23

# ENFORCEMENT

## Public Orders Issued

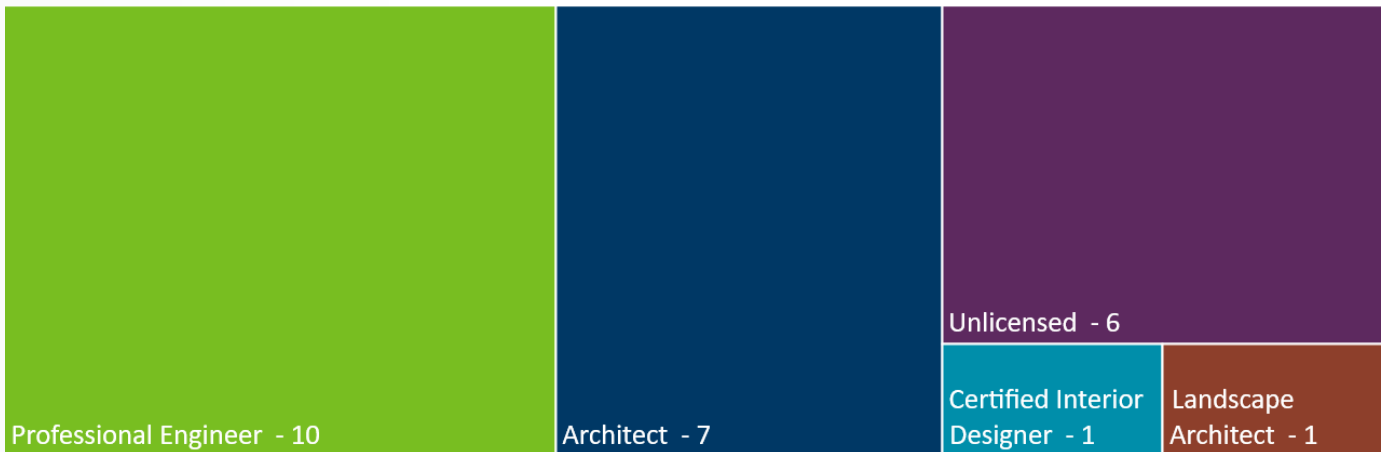
The Board issued 25 public orders against licensed and unlicensed individuals and has statutory authority to assess a civil penalty of up to \$10,000 per violation. Civil penalties assessed during the biennium totaled \$67,000.

All disciplinary actions are reported to national databases, published in the Board’s newsletter, and posted on the Board’s website. Public orders may also be obtained by calling the Board office.

License Type	Status Change	Type of Action	Civil Penalty	Brief Statement of Reason for Action
Architect	Reprimand	Stipulation and Consent Order	\$500	Code of Conduct Violation   Failed to Complete CE Requirements
Architect	Reprimand	Stipulation and Consent Order	\$750	Code of Conduct Violation   Failed to Complete CE Requirements
Architect	Reprimand	Stipulation and Consent Order	\$3,000	Code of Conduct Violation   Illegal Plan Stamping   Practicing Without a License
Architect	Stayed Suspension	Stipulation and Consent Order	\$5,000	Code of Conduct Violation   Misconduct   Conflict of Interest
Architect	Reprimand	Stipulation and Consent Order	\$2,000	Holding Out   Practicing Without a License
Architect	Reprimand	Stipulation and Consent Order	\$4000	Holding Out   Practicing Without a License
Architect	Reprimand	Stipulation and Consent Order	\$3,000	Practicing Without a License
Certified Interior Designer	Reprimand	Stipulation and Consent Order	\$1,000	Code of Conduct Violation   Failed to Complete CE Requirements
Landscape Architect	Reprimand	Stipulation and Consent Order	2500	Code of Conduct Violation   Holding Out   Practicing Without a License   Submitted a Materially False Statement to the Board
Professional Engineer	Stayed Revocation	Stipulation and Consent Order	\$30,000	Code of Conduct Violation
Professional Engineer	Reprimand	Stipulation and Consent Order	\$500	Code of Conduct Violation   Failed to Complete CE Requirements
Professional Engineer	Reprimand	Stipulation and Consent Order	\$1,000	Code of Conduct Violation   Failed to Complete CE Requirements
Professional Engineer	Reprimand	Stipulation and Consent Order	\$1,000	Code of Conduct Violation   Failed to Complete CE Requirements
Professional Engineer	Reprimand	Stipulation and Consent Order	\$250	Failed to Complete CE Requirements
Professional Engineer	Reprimand	Stipulation and Consent Order	\$500	Failed to Complete CE Requirements
Professional Engineer	Reprimand	Stipulation and Consent Order	\$3,500	Holding Out   Noncompliant Certification   Practicing Without a License   Submitted a Materially False Statement to the Board
Professional Engineer	Reprimand	Stipulation and Consent Order	\$2,000	Holding Out   Practicing Without a License

License Type	Status Change	Type of Action	Civil Penalty	Brief Statement of Reason for Action
Professional Engineer	Reprimand	Stipulation and Consent Order	\$2,000	Illegal Plan Stamping   Noncompliant Certification
Professional Engineer	Suspension Lifted	Order		Terms of Prior Order Met
Unlicensed	Reprimand	Settlement Agreement and Cease and Desist Order	\$1,000	Holding Out
Unlicensed	Reprimand	Settlement Agreement and Cease and Desist Order	\$500	Holding Out   Practicing Without a License
Unlicensed	Reprimand	Stipulation and Consent Order	\$3,000	Holding Out   Practicing Without a License
Unlicensed	Reprimand	Stipulation and Consent Order		Practicing Without a License
Unlicensed	Reprimand	Stipulation and Consent Order		Practicing Without a License
Unlicensed	Reprimand	Stipulation and Consent Order		Practicing Without a License

## Orders Issued by Respondent Profession



# APPENDIX: ARCHITECTURE

## Architect Licensure by Comity or EEE Applications

Architect by Comity or EEE Applications - 2020-2022 Biennium									
State of Residence	Age Category					Gender		Status	
	18-25	26-34	35-49	50-65	66+	Female	Male	Approved	Not Approved
AL				1		1		1	
AR			1	2			3	3	
				1			1		1
AZ			1	1		2		2	
	1		4	3	1		9	9	
				2			2		2
CA			1			1		10	
			1	7	1		9		
				3			3		3
CO			1			1		9	
			5	3			8		2
				2			2		2
CT			1	1			2	2	
				1			1		1
DC				1			1	1	
				1			1		1
DE			1				1	1	
FL			1			1		7	
			2	3	1		6		
GA				1		1		7	
			3	3			6		
				1		1			1
IA	1	2	1			4		12	
	1	4	2	1			8		
ID				1			1	1	
IL	1		1		2			18	
	1	9	5	1			16		
	1	1	2				4		4
IN			2	3			5	5	
KS			3	3			6	6	
KY	1		1				2	2	
LA			1				1	1	
				1			1		1
MA				5			5	5	
MD				1		1		1	
ME			1	1			2		2
MI			1			1		5	
	1	1	2				4		
MN	3	6	1		10			36	
	1	10	15				26		
			1		1				1
MO			3			3		13	
			7	3			10		
				1			1		1

State of Residence	Age Category					Gender		Status	
	18-25	26-34	35-49	50-65	66+	Female	Male	Approved	Not Approved
NC		1				1		3	
				1	1		2		2
ND			2	1		3		12	
	2		7				9		
NE			1	1			2	2	
NJ			3	3	2		8	8	
				1			1		1
NM				2			2	2	
NV			1				1	1	
NY			2	1		3		15	
			4	7	1		12		
				2	1		3		3
OH				2		2		9	
			5	1	1		7		
				3			3		3
OK				1		1		4	
			2	1			3		
OR			4	1			5	5	
PA	1			10	1		12	12	
				2	1		3		3
SC				1			1		1
SD				1		1		2	
TN			1				1		
			2	4			6	6	
TX		1	1	1		3		17	
			8	6			14		
	1				1		2		2
UT				1		1		3	
			2				2		
VA			1			1		1	1
	1					1			
WA	1	1				2		5	
			3				3		
			1	1			2		2
WI			7	2			9	9	
				1			1		1
WV				1			1	1	
<b>Totals</b>	<b>1</b>	<b>29</b>	<b>134</b>	<b>131</b>	<b>19</b>	<b>46</b>	<b>228</b>	<b>274</b>	<b>40</b>
As %	<1%	9%	48%	38%	4%	17%	83%	87%	13%

## Architect Licensure by all Methods

Architect Licenses Issued - 2020-2022 Biennium										
State of Residence	Age Category					Gender		Method		
	18-25	26-34	35-49	50-65	66+	Female	Male	Initial	Comity or EEE	
AL				1		1			1	
AR			1	2			3		3	
AZ			1	1		2			2	
		1	4	3	1		9		9	
CA			1			1			1	
		1	1	7	1		10		10	
		2				2	2			
CO			1			1			1	
			6	3			9		9	
		1			1		1			
CT			1	1			2		2	
DC				1			1		1	
DE			1				1		1	
FL		1				1		1		
			1			1			1	
GA			2	3	1		6		6	
			1			1			1	
IA		1	2	1		4			4	
		1	5	2	1		9		9	
ID				1			1		1	
IL		1		1		2			2	
		1	8	6	1		16		16	
IN			3	3			6		6	
KS			3	3			6		6	
KY		1		1			2		2	
LA			1				1		1	
MA				5			5		5	
MD				1		1			1	
MI			1			1			1	
		1	1	2			4		4	
MN		1	22	11		34		34		
			44	32	4		80	80		
			3	6	1	10			10	
	1	11	13	1		26		26		
MO			4			4			4	
			8	3			11		11	
NC			1			1		1		
ND		1			1		2		2	
			2	1		3			3	
NE		2	6				8		8	
			1	1			2		2	

State of Residence	Age Category					Gender		Method		
	18-25	26-34	35-49	50-65	66+	Female	Male	Initial	Comity or EEE	
NJ			3	3	1		7		7	
NM		1				1		1		
				2			2		2	
NV			1				1		1	
NY		1					1	1		
			1	1		2			2	
		1	3	7	1		12		12	
OH				2		2			2	
			4	1	1		6		6	
OK				1		1			1	
OR			3				3		3	
		1				1		1		
PA		1		10	1		12		12	
				1		1			1	
SD			1				1		1	
TN		1					1	1		
				4			4		4	
TX		1	1	1		3			3	
			7	6			13		13	
UT				1		1			1	
			2				2		2	
VA			2			2		2		
WA		1	1			2			2	
				3			3		3	
WI		1					1	1		
			8	3			11		11	
WV				1			1		1	
nonUS		1					1	1		
<b>Totals</b>	<b>2</b>	<b>105</b>	<b>171</b>	<b>111</b>	<b>10</b>	<b>84</b>	<b>315</b>	<b>124</b>	<b>275</b>	
As %	1%	26%	43%	28%	3%	21%	79%	31%	69%	

# APPENDIX: PROFESSIONAL ENGINEERING

## Fundamentals of Engineering (FE) Examination Applications

FE Exam Applications - 2020-2022 Biennium									
State of Residence	Age Category					Gender		Status	
	18-25	26-34	35-49	50-65	66+	Female	Male	Approved	Not Approved
IA			1				1		1
IL		3					3	3	
MN	9	10	5			24		24	
	24	40	13				77	77	
	1	2	1			4			4
	2	4					6		6
NM		1					1	1	
ON		1					1	1	
PE		1					1	1	
SD			1				1	1	
TX		1					1	1	
WI	1					1		1	
	3		2				5	5	
nonUS			1				1	1	
<b>Totals</b>	<b>40</b>	<b>63</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>98</b>	<b>116</b>	<b>11</b>
As %	31%	50%	19%	0%	0%	23%	77%	91%	9%

## Engineer-in-Training (EIT)

EIT Certificates Issued - 2020-2022 Biennium*								
State of Residence	Age Category					Gender		State Total
	18-25	26-34	35-49	50-65	66+	Female	Male	
AK	1						1	1
AR	1						1	1
AZ	1					1		2
		1					1	
CA		1					1	1
CO	1					1		3
		2					2	
FL			1				1	1
GA		1					1	1
IA	1					1		2
		1					1	
IL		1				1		5
	1	3					4	
IN	1						1	1
MA	1					1		1
MD	1					1		1
MI	2	2					4	4
MN	121	40	8			169		781
	423	158	30	1			612	
MO	1					1		3
	1	1					2	
NC	1					1		1
ND	1					1		11
	6	4					10	
OH		1					1	1
SD	1					1		4
	3						3	
TN		1					1	1
TX	2	1					3	3
VA	1					1		1
WI	5	1				6		19
	9	4					13	
nonUS		3	1				4	4
<b>Totals</b>	<b>586</b>	<b>226</b>	<b>40</b>	<b>1</b>	<b>—</b>	<b>186</b>	<b>667</b>	<b>853</b>
As %	69%	26%	5%	<1%	—	22%	78%	

\*Includes certificates issued for both those that applied using the EIT application and those that passed the FE exam and provided any final documentation, such as final official transcripts, to provide proof of meeting the requirements for certificate issuance.

## Principles and Practice of Engineering (PE) Examination

PE Exam Applications Approval to Sit 2020-2022 Biennium**									
State of Residence	Age Category					Gender		Status	
	18-25	26-34	35-49	50-65	66+	Female	Male	Approved	Not Approved
CA		1					1	1	
CO	2	2				2		2	
FL		1				1		1	
FL		2	2				4	4	
GA			1				1	1	
IA		1					1	1	
IA		2				2		2	
IL		3	1				4	4	
KS	1						1	1	
MA		1					1	1	
MI			1			1		1	
MI	1	5					6	6	
MN	25	169	30			224		224	
MN	42	608	164				814	814	
MO		1					1	1	
NC			1			1		1	
NC		1					1	1	
ND		3				3		3	
ND	5	7	2				14	14	
NE	1			1			2	2	
NJ		1				1		1	
NY		1				1		1	
OH		1	1				2	2	
OR		1					1	1	
RI		1					1	1	
SD			1			1		1	
SD	1	1					2	2	
VA		1				1		1	
VA			1				1	1	
WI		5				5		5	
WI		14	3				17	17	
nonUS		2	1				3	3	
<b>Totals</b>	<b>78</b>	<b>835</b>	<b>210</b>	<b>1</b>	<b>—</b>	<b>243</b>	<b>880</b>	<b>1123</b>	<b>1</b>
As %	7%	74%	19%	<1%	—	22%	78%	>99%	<1%

\*\*PE Examination applicants may sit for the exam prior to submitting the experience required for licensure, a concept known as “decoupling.” The statistics above represent PE initial licensure applications reviewed only for exam approval.

PE Exam Applications Approval for Licensure 2020-2022 Biennium***									
State of Residence	Age Category					Gender		Status	
	18-25	26-34	35-49	50-65	66+	Female	Male	Approved	Not Approved
CO		2				2		2	
CO		5	1				6	6	
FL		1				1		1	
FL		3					3	3	
GA		1					1	1	
IA		1				1		1	
IA		3					3	3	
IL		1	1				2	2	
KS		1					1	1	
LA			1				1		1
MA		1					1	1	
MI		1					1	1	
MN	1	85	11			97		97	
MN	2	361	67	4			434	434	
MN				1			1		1
MO		1					1	1	
NC		1				1		1	
ND		6					6	6	
NJ		1				1		1	
OH			1				1	1	
OR		2					2	2	
PA		1					1	1	
RI		1					1	1	
SD		1				1		1	
SD		1					1	1	
VA			1				1	1	
WI		3	1			4		4	
WI		5	2				7	7	
WY		1					1	1	
<b>Totals</b>	<b>2</b>	<b>373</b>	<b>62</b>	<b>3</b>	<b>—</b>	<b>79</b>	<b>361</b>	<b>438</b>	<b>2</b>
As %	<1%	85%	14%	<1%	—	18%	82%	>99%	<1%

\*\*\*After passing the PE exam and presenting their experience history to the Board, applicants' PE Examination application is reviewed for licensure approval.

# APPENDIX: PROFESSIONAL ENGINEERING

## Professional Engineer Licensure by Comity

PE Comity Applications - 2020-2022 Biennium									
State of Residence	Age Category					Gender		Status	
	18-25	26-34	35-49	50-65	66+	Female	Male	Approved	Not Approved
AL		2	7	2	1	1	12	12	
AR		1	1	2			4	4	1
AZ		1	1			2	4	4	
CA		1	12	4	2	1	19	19	
CO		2	6	2	1	8	5	8	5
CT		1	1			1	2	2	2
DE			1	1		1	3	3	
FL		8	24	12	1	1	45	45	
GA		1	10	10	1	2	27	27	
HI			1				1	1	1
IA		7	14	3	1	1	25	25	
ID			1			1	1	1	1
IL		1	2			3	5	3	
IN		9	29	20	1	2	59	59	
KS		1	1			2	15	15	1
KY		10	23	3			36	36	
LA		2	5	2			1	9	1
MA			1			1	6	6	
MD		1	5	4			10	10	
ME			1			1	1	1	1
MI		1	1	2			4	4	
MN		6	3			9	4	9	
MO		21	17			38	38	38	
MT		1	1	1		6	3	6	3
NC		4	20	6		30	30	30	
ND		1	1			1	2	2	1
NE		1	1	1		3	2	3	2
NH		7	8	7	2	24	24	24	
NJ			1			1	1	1	1
NM		2				2	28	2	28
NV		3	14	1	1	19	19	19	
NY			2			2	2	2	2
OH		3	4	3		10	10	10	
OK			1	1		2	2	2	2
OR		1	1			2	27	2	27
PA		4	14	8	1	27	27	27	
SC			1	1		2	2	2	2
SD		1	2			3	3	3	
TN		9	22	12		43	43	43	
TX			1			1	1	1	1
		2	10	2		14	14	14	
		4	8	1	1	10	10	10	
		4	4			8	8	8	
		6	15	9	1	31	31	31	
					2	2	2	2	2
			1			1	1	1	1
			2	3	1	6	6	6	
			1			1	1	1	1
		8	7	3		18	18	18	
			1	1		2	2	2	
		3	6	3		12	12	12	
			2	2		4	4	4	
		14	41	10		65	65	65	
		1		2	1	4	4	4	4

PE LICENSEES CONTINUED NEXT COLUMN ►



# APPENDIX: PROFESSIONAL ENGINEERING

## Professional Engineer Licensure

Professional Engineer Licenses Issued - 2020-2022 Biennium									
State of Residence	Age Category					Gender		Method	
	18-25	26-34	35-49	50-65	66+	Female	Male	Initial	Comity/EEE
AL	1	6	2				9		9
AR	1		2	1			4		4
AZ	1	1				2			2
	2	3	2				7		7
CA		1	1			2			2
	4	20	11	2			37		37
CO		2				2		2	
	5	1					6	6	
	2	6				8			8
	15	27	15	2			59		59
CT	1					1			1
	1	1	1	1			4		4
DE			1			1			1
			1	1			2		2
FL	1					1		1	
	3						3	3	
		1				1			1
	6	23	13	1			43		43
GA	1						1	1	
	1		1			2			2
	7	12	10	2			31		31
HI			1				1		1
IA	1					1		1	
	3						3	3	
		1				1			1
	9	13	3	1			26		26
ID		1				1			1
	2	2	2	2			8		8
IL	1	1					2	2	
	1	4	2			7			7
	14	35	24	1			74		74
IN	1	1				2			2
	8	6	5				19		19
KS	1						1	1	
	2	1				3			3
	13	24	3				40		40
KY	1					1			1
	3	5	4				12		12
LA		1				1			1
	1	8					9		9
MA		1						1	1
				1		1			1
		1	5	6			12		12
MD			1			1			1
	4	4	3				11		11
ME	1		1			2			2
	1		1				2		2
MI		1					1	1	
	1	1	1			3			3
	10	12	10				32		32
MN	1	85	11				97		97
	2	361	67	4			434	434	
		11	6			17			17
		35	34	2	1		72		72
MO	1						1	1	
	2	2	1			5			5
	5	19	8				32		32
MS	1						1		1
MT			4	2			6		6
NC	1					1		1	
		1	1			2			2
	10	10	11	2			33		33
ND	6						6	6	
	2					2			2
	18	8	3				29		29
NE	2	11	2	1			16		16
NH		3					3		3
NJ	1					1		1	
		1				1			1
	4	4	4				12		12
NM			1				1		1
NV			2	2			4		4
NY	1	1				2			2
	4	12	13	1			30		30
OH		1					1	1	
	2	1				3			3
	9	25	15	2			51		51
OK			1			1			1
	3	8	1				12		12
OR							2	2	
	2		9	1	1		11		11

PE LICENSEES CONTINUED NEXT COLUMN ►

PE LICENSEES CONTINUED ▼

PE Licenses Issued - 2020-2022 Biennium									
State of Residence	Age Category					Gender		Method	
	18-25	26-34	35-49	50-65	66+	Female	Male	Initial	Comity/EEE
PA	1						1	1	
	3	5				8			8
RI	5	16	14	2			37		37
	1						1	1	
SC		2	3	2			7		7
SD	1					1		1	
	1						1	1	
	9	7	3				19		19
TN		1	1			2			2
	3	9	6				18		18
TX		2	2			4			4
	19	44	14	3			80		80
UT	3	6	4	1			14		14
VA		1					1	1	
		1				1			1
VT	2	7	3	1			13		13
	1	1	1				3		3
WA		2	2			4			4
	1	9	8				18		18
WI	3	1				4		4	
	5	2					7	7	
	3	9				12			12
WY	24	54	10	1			89		89
	1						1	1	
WY	1	1					2		2
nonUS		1				1			1
		4					4		4
<b>Totals</b>	<b>3</b>	<b>788</b>	<b>657</b>	<b>268</b>	<b>31</b>	<b>214</b>	<b>1533</b>	<b>582</b>	<b>1165</b>
As %	<1%	45%	38%	15%	2%	12%	88%	33%	67%

# APPENDIX: LAND SURVEYING

## Land Surveyor-In-Training

LSIT Certificates Issued - 2020-2022 Biennium						
State of Residence	Age Category					State Total
	18-25	26-34	35-49	50-65	66+	
MN	7	9	10			26
MO		1				1
ND			1			1
<b>Total</b>	<b>7</b>	<b>10</b>	<b>11</b>	<b>—</b>	<b>—</b>	<b>28</b>
As %	25%	36%	39%	—	—	

## Land Surveying Licensure

LS Licenses Issued - 2020-2022 Biennium								
State of Residence	Age Category					Male	Method	
	18-25	26-34	35-49	50-65	66+		Initial	Comity/EEE
CO		1				1		1
IL			1			1		1
MN		12	10		1	21	22	
			2			2		2
NM			1			1		1
OK				2		2		2
PA			3			3		3
WI		3	3			6		6
<b>Totals</b>	<b>—</b>	<b>16</b>	<b>20</b>	<b>2</b>	<b>1</b>	<b>37</b>	<b>22</b>	<b>16</b>
As %	—	30%	38%	4%	2%	70%	42%	30%

# APPENDIX: PROFESSIONAL GEOLOGY

## Fundamental of Geology Examination

FG Exam Applications - 2020-2022 Biennium									
State of Residence	Age Category					Gender		Status	
	18-25	26-34	35-49	50-65	66+	Female	Male	Approved	Not Approved
AZ	1						1	1	
IL	1						1	1	
MI		1					1	1	
MN	38	7	2	1		48		48	
	34	24	8	1			67	67	
MO		1				1		1	
ND	1	1				2		2	
WI	2					2		2	
	2	1	1				4	4	
<b>Totals</b>	<b>79</b>	<b>35</b>	<b>10</b>	<b>2</b>	<b>—</b>	<b>53</b>	<b>73</b>	<b>126</b>	<b>—</b>
As %	63%	28%	8%	<2%	—	40%	60%	100%	—

## Professional Geology Licensure

PG Licenses Issued - 2020-2022 Biennium									
State of Residence	Age Category					Gender		Method	
	18-25	26-34	35-49	50-65	66+	Female	Male	Initial	Comity/EEE
MD			1				1		1
MN		7				7		7	
		13	2				15	15	
MO		1	3	1			5		5
			1				1		1
ND		1					1	1	
NE		1				1		1	
PA				1			1		1
WI			1			1		1	
		1	2				3	3	
			2				2		2
<b>Totals</b>	<b>—</b>	<b>24</b>	<b>12</b>	<b>2</b>	<b>—</b>	<b>9</b>	<b>29</b>	<b>28</b>	<b>10</b>
As %	—	63%	32%	5%	—	24%	76%	74%	26%

## Geologist-In-Training

GIT Certificates Issued - 2020-2022 Biennium								
State of Residence	Age Category					Gender		State Total
	18-25	26-34	35-49	50-65	66+	Female	Male	
AZ	1						1	1
IL	1						1	1
MN	19	11	1			31		85
	24	24	6				54	
WI	1					1		4
		1	2				3	
<b>Total</b>	<b>46</b>	<b>36</b>	<b>9</b>	<b>—</b>	<b>—</b>	<b>32</b>	<b>59</b>	<b>91</b>
As %	51%	39%	10%	—	—	35%	65%	

# APPENDIX: CERTIFIED INTERIOR DESIGN

## CID Certificates Issued



CID Certificates Issued - 2020-2022 Biennium									
State of Residence	Age Category					Gender		Method	
	18-25	26-34	35-49	50-65	66+	Female	Male	Initial	Comity/EEE
AZ		1				1		1	
CO			1			1		1	
MN		1	2	3	1		7	7	
	1	21	9	2		33		33	
TX				1		1		1	
WI				1			1	1	
			1			1			1
<b>Totals</b>	<b>1</b>	<b>23</b>	<b>14</b>	<b>7</b>	<b>1</b>	<b>38</b>	<b>8</b>	<b>44</b>	<b>2</b>
<b>As %</b>	2%	50%	30%	15%	2%	83%	17%	96%	4%



**BOARD OF ARCHITECTURE ■ ENGINEERING  
LAND SURVEYING ■ LANDSCAPE ARCHITECTURE  
GEOSCIENCE ■ INTERIOR DESIGN**