

# BIENNIAL REPORT

## 2018-2020



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 in 1992 and the practice of geology and soil science (geoscience) in 1995 were added to the Board.

## 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 approximately once every two months 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	15
Credentialing	6
Rules	6
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## 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 FY19 and FY20, the Board evaluated 2,397 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—beginning with a rule change in May 2019—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 FY19 and FY20 reporting period, the Board evaluated 1,504 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 2,320. All licenses and certificates expire on June 30 of even-numbered years. In May and June of 2020, the Board renewed 17,140 licenses and certificates for the period of July 1, 2020 through June 30, 2022.



## Operations Under COVID-19

During the period from February 2020 to the end of the biennium, the COVID-19 outbreak had numerous impacts on Board operations, including most significantly the cancellation of all examinations—both those administered by the Board and those administered by third parties—during that time frame.

The Board continued to meet, primarily remotely, and in accordance with pandemic requirements under Open Meeting Law (Chapter 13D) and Emergency Executive Orders. Board staff also continued to fulfill their duties, working in a hybrid remote/in-office model, in accordance with Emergency Executive Orders and the framework of the Preparedness Plan the Board submitted to Minnesota Management and Budget (MMB).

# EXECUTIVE SUMMARY

## Verifications of Examination and Licensure

The Board staff processed 3,517 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.

## 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 200 licensees and certificate holders plus one-third of the Board members during the biennium. Nine licenses were reprimanded for failure to complete CE requirements and making material false statements on a renewal application.

## 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.

## Strategic Planning

The Board continued its focus on the three strategies that were identified during its strategic plan, finalized in 2017:

- Leveraging education, outreach, and technology to encourage licensure and improve the path to and through licensure;
- Increasing understanding and utilization of the enforcement program by licensees and the public; and
- Increasing Board proactivity and preparedness through education, technology, and diversity efforts.

In the next biennium, the Board will launch its online application system for examinations and licensure. Developing the technology for this system and also making rule changes that smooth the licensure path without compromising qualifications have been major initiatives in the last two years. Additionally, the Board has made significant enhancements to its outreach materials.

The Board's efforts to initiate work on a new five-year plan were interrupted by the COVID-19 outbreak. The Board will return to this work in 2021.

## 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. During the biennium, Board members and staff gave 38 presentations to interested parties.

The Board also publishes a 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 certificate holders.

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

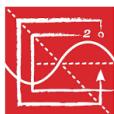
## National Councils

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 Architectural  
Registration Boards



NCEES  
National Council of  
Examiners for  
Engineering  
and Surveying



National Association  
of State Boards  
of Geology



Council of  
Landscape  
Architectural  
Registration  
Boards



Council for  
Interior Design  
Qualification



Council of  
Soil Science  
Examiners



# BOARD MEMBERS

During the biennium Board members spent a total of 3,453 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.



**MEG PARSONS**

Architect

Woodbury

**Chair**

(Vice Chair FY 19)

Appointed: 03/09/2016  
Reappointed: 06/17/2020  
Term Ends: 01/01/2024

FY 19: Credentialing  
FY 20: Rules  
ALACID Section  
(Chair FY 19)

Total hours: 352.55



**PAUL VOGEL**

Land Surveyor

Duluth

**Vice Chair**

(Treasurer FY 19)

Appointed: 03/09/2016  
Reappointed: 06/17/2020  
Term Ends: 01/01/2024

FY 19: Complaint  
FY 20: Complaint  
ELSGEO Section

Total hours: 156.75



**DAVE BLUME**

Professional  
Engineer

Roseville

**Secretary** (FY 20)

Appointed: 07/01/2017  
Term Ends: 01/04/2021

FY 19: Credentialing  
(Chair)  
FY 20: Rules (Chair)  
ELSGEO Section

Total hours: 166.25



**KEITH RAPP**

Professional  
Geologist

Duluth

**Treasurer** (FY 19/20)

Appointed: 03/17/2015  
Reappointed: 07/02/2019  
Term Ends: 01/02/2023

FY 19: Complaint (Chair)  
FY 20: Complaint  
ELSGEO Section

Total hours: 422



**DANIEL BAAR**  
Land Surveyor

Cambridge

Appointed: 07/23/2018  
Reappointed: 07/02/2019  
Term Ends: 01/02/2023

FY 19: Credentialing  
FY 20: Credentialing  
ELSGEO Section  
(Chair FY 20)

Total hours: 122.25



**RACHEL DWYER**  
Public Member

Maple Grove

Appointed: 07/01/2017  
Term Ends: 01/04/2021

FY 19: Credentialing  
FY 20: Credentialing  
ELSGEO Section

Total hours: 40.25



**ERIC FRISKE**  
Public Member

Minneapolis

Appointed: 07/01/2017  
Term Ends: 01/04/2021

FY 19: Rules  
FY 20: Complaint  
ALACID Section

Total hours: 107



**ROBERT GUNDERSON**  
Landscape  
Architect

Shorewood

Appointed: 06/25/2012  
Reappointed: 03/09/2016  
Term Ends: 01/06/2020

Secretary (FY 19)  
FY 19: Complaint  
FY 20: Complaint  
ALACID Section

Total hours: 520.25



**WAYNE HILBERT**  
Architect

Minneapolis

Appointed: 04/07/2013  
Reappointed: 07/01/2017  
Term Ends: 01/04/2021

FY 19: Complaint  
FY 20: Complaint (Chair)  
ALACID Section

Total hours: 466.5



**SCOTT HOLM**  
Public Member

Maple Grove

Appointed: 07/02/2019  
Term Ends: 01/02/2023

FY 20: Credentialing  
ALACID Section

Total hours: 78.5



**NIRMAL JAIN**  
Professional  
Engineer  
Woodbury

Appointed: 06/30/2014  
Reappointed: 07/23/2018  
Term Ends: 01/03/2022  
Chair (FY 19)  
FY 20: Credentialing  
ELSGEO Section  
Total hours: 121



**ERICA LARSON**  
Certified  
Interior  
Designer  
Maple Grove

Appointed: 06/17/2020  
Term Ends: 01/04/2024  
FY 20: Rules  
ALACID Section  
Total hours: 2  
Replaced: Darcy Hield  
(85 hours)



**JAMI NEIBER**  
Public Member  
Minneapolis

Appointed: 07/02/2019  
Term Ends: 01/02/2023  
FY 20: Rules  
ELSGEO Section  
Total hours: 89.5



**CLAUDIA REICHERT**  
Certified  
Interior  
Designer  
St. Paul

Appointed: 07/01/2017  
Term Ends: 01/04/2021  
FY 19: Credentialing  
FY 20: Credentialing  
(Chair)  
ALACID Section  
Total hours: 46.75



**MELISA RODRIGUEZ**  
Professional  
Engineer  
Stillwater

Appointed: 07/02/2019  
Term Ends: 01/02/2024  
FY 20: Credentialing  
ELSGEO Section  
Total hours: 75.5  
Replaced: Dennis  
Martenson (58.5 hrs)



**DENISE KAZMIERCZAK**  
Professional  
Engineer  
Sunfish Lake

Appointed: 07/23/2018  
Term Ends: 01/03/2022  
FY 19: Credentialing  
FY 20: Complaint  
ELSGEO Section  
Total hours: 118



**DANIEL MURPHY**  
Professional  
Engineer  
Minneapolis

Appointed: 06/25/2012  
Reappointed: 03/09/2016  
Term Ends: 01/06/2020  
FY 19: Rules  
FY 20: Rules  
ELSGEO Section  
Total hours: 118.75



**TARI RAYALA**  
Architect  
Minneapolis

Appointed: 07/02/2019  
Term Ends: 01/02/2023  
FY 20: Credentialing  
ALACID Section  
Total hours: 88  
Replaced: Terry Groshong  
(14.5 hrs)



**SCOTT ROBINSON**  
Landscape  
Architect  
Minneapolis

Appointed: 07/23/2018  
Term Ends: 01/03/2022  
FY 19: Credentialing  
FY 20: Credentialing  
ALACID Section  
Total hours: 107.25



**DAVID STENSETH**  
Public Member  
Duluth

Appointed: 07/03/2017  
Term Ends: 01/04/2021  
FY 19: Rules (Chair)  
FY 20: Rules  
ALACID Section  
Total hours: 54.5



**ROBERT WHITMYER**  
Professional  
Soil Scientist  
Rice Lake

Appointed: 07/01/2017  
Term Ends: 01/04/2021  
FY 19: Rules  
FY 20: Rules  
ELSGEO Section  
Total hours: 42.75

# 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 18,000 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	5/8/96	
Kay Weiss	State Program Administrator Supervisor Senior	FT	9/10/19	
Allison Desmond	Office and Administrative Specialist Intermediate	FT	8/5/14	
Leama Sather	Office and Administrative Specialist Intermediate	FT	11/20/14	
Susan Lick	Office and Administrative Specialist Intermediate	FT	11/2/15	
Vacant	Office and Administrative Specialist Intermediate	FT	Vacant	
Lynette DuFresne	State Program Administrator Intermediate	TEMP PT	1/27/20	
Vacant	State Program Administrator Intermediate	FT	Vacant	
FORMER STAFF				
Andrea Barker	State Program Administrator Supervisor Senior	.90	6/7/99	6/30/19
Laurie Nistl	Office and Administrative Specialist Intermediate	FT	7/16/12	6/11/20
Matt Kaehler	State Program Administrator Intermediate	FT	2/26/18	1/10/20
Peng Her	State Program Administrator Intermediate	FT	2/24/20	7/1/20

# 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.

## 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.

### Fiscal Year 2019

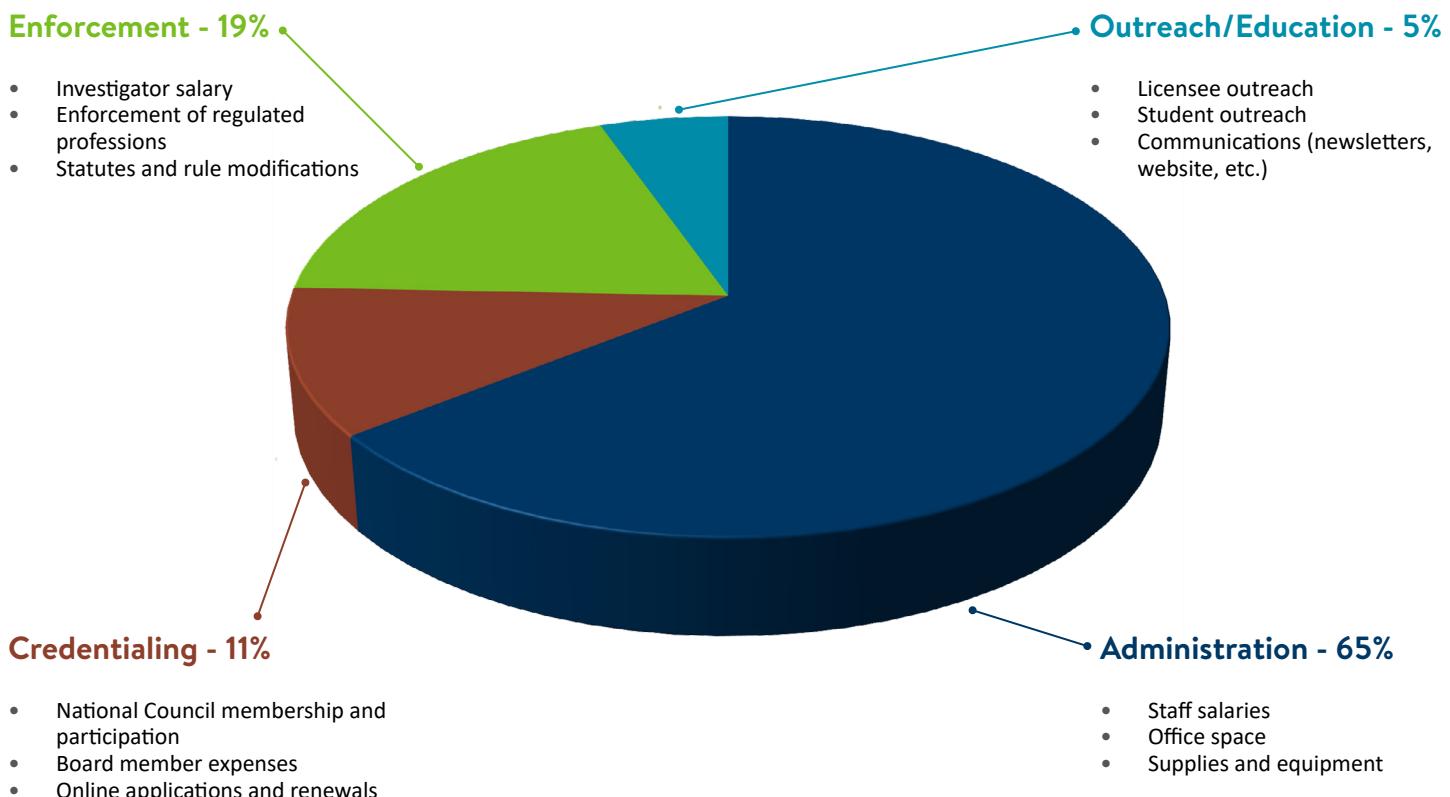
Revenue: \$921,973

Appropriations: \$804,000

### Fiscal Year 2020

Revenue\*: \$2,178,488

Appropriations: \$855,000



# RULE WRITING

The Board recognizes the importance of its mission to protect the health, safety, and welfare of the public and frequently reviews its rules to ensure a balance between public protection and the standards for licensure. During the biennium, the Board was actively engaged in the development and implementation of four rule packages.

## Comprehensive Changes R-04374

Effective: August 13, 2018

Published: Minnesota State Register 43 SR 89  
[https://mn.gov/admin/assets/SR43\\_6%20-%20Accessible\\_tcm36-348031.pdf](https://mn.gov/admin/assets/SR43_6%20-%20Accessible_tcm36-348031.pdf)

In 2016, the Board initiated a rule package governing definitions; noncompliant conduct; applications for examination, licensure and temporary permits; qualifying education and experience; qualifications for licensure; certification and signature; and housekeeping updates.

The Board published a Dual Notice in the State Register on November 6, 2017, and held a public hearing on January 17, 2018. On August 13, 2018, after publication in the state register, the rules became effective.

The amendments to the rules allow applicants for the Fundamentals of Engineering and the Architect Registration Examinations, both computer-based examinations, to apply directly to their respective national councils to sit for the examination rather than first seeking Board authorization. After the individual passes the examination and completes the education and experience requirements, the individual applies to the Board for licensure or certification. The process mirrors procedures for licensure as a Landscape Architect or certification as a Certified Interior Designer.

The Board published a Dual Notice in the State Register on December 3, 2018. No public hearing was held because there were fewer than 25 hearing requests. On May 13, 2019, after publication in the state register, the rules became effective.

## Rules of Professional Conduct R-04449

Effective: October 21, 2019

Published: Minnesota State Register 44 SR 485  
[https://mn.gov/admin/assets/SR44\\_16%20-%20Accessible\\_tcm36-406277.pdf](https://mn.gov/admin/assets/SR44_16%20-%20Accessible_tcm36-406277.pdf)

The Board published a Request for Comments in the State Register on December 12, 2016, regarding changes to Chapter 1805, the Rules of Professional Conduct. These rules have not been modified since they were originally adopted in the mid-1980s (other than adding various professions as they were added to the Board's jurisdiction).

The Board thoroughly reviewed the Model Rules and Regulations for professional conduct published by the National Council of Architectural Registration

Boards, the National Council of Examiners for Engineering and Surveying, and the Council of Landscape Architectural Registration Boards and incorporated appropriate model language.

The terms “certified interior designer” and “certificate holder” were added to make it clear that individuals certified as Certified Interior Designers are subject to these rules in the same manner as all other individuals licensed by the Board.

The Board published a Dual Notice in the State Register on April 1, 2019. No public hearing was held because there were fewer than 25 hearing requests. On October 21, 2019, after publication in the state register, the rules became effective.

## **Engineering Examination and Experience, Land Surveying Education and Experience, and Geoscience Education and Experience** **R-04579**

Effective: March 16, 2020

Published: Minnesota State Register 44 SR 987  
[https://mn.gov/admin/assets/SR44\\_37%20-%20Accessible\\_tcm36-422341.pdf](https://mn.gov/admin/assets/SR44_37%20-%20Accessible_tcm36-422341.pdf)

The Board published a Request for Comments in the State Register on December 24, 2018. Removing unnecessary barriers on the path to licensure, the rule changes:

- allow individuals, upon application and approval of the Board, to take the Principles and Practice of Engineering (PE) examination before completing the experience requirement if the applicant chooses and the Board determines they have otherwise met the PE exam requirements (“decoupling” examination from experience);



- allow experience required for land surveying licensure to be earned after high school graduation; and
- clarify the requirements for waiver of the fundamentals of geology and fundamentals of soil science examination;
- clarify the number of credits to be completed if an applicant wishes to sit for the fundamentals of geology or soil science examinations before completing the education requirement;
- reduce the experience requirement for licensure as a professional geologist or professional soil scientist from five years to four years;
- remove the requirement for a geology degree for individuals seeking licensure as a professional geologist and replace with the requirement to earn 30 semester credits in geology subjects;
- clarify the subject areas for coursework required to meet the education requirement for licensure as a professional soil scientist.

The Board published a Dual Notice in the State Register on August 19, 2019. No public hearing was held because there were fewer than 25 hearing requests. On March 16, 2020, after publication in the state register, the rules became effective.

# 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. Due to the COVID-19 pandemic, all pencil-and-paper and most computer-based exams between February-May 2020 were scheduled but later canceled. The Board and the National Councils have offered opportunities for those approved and registered for a canceled exam to reschedule at no additional cost.

## ARCHITECT REGISTRATION EXAM

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

## MINNESOTA LAND SURVEYING EXAM

- Paper and pencil (St. Paul)
- October 2018, April 2019, October 2019, April 2020

## FUNDAMENTALS OF ENGINEERING

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

## FUNDAMENTALS OF GEOLOGY; PRACTICE OF GEOLOGY

- Paper and pencil examination (St. Paul)
- September 2018, March 2019, October 2019, March 2020

## PRINCIPLES AND PRACTICE OF ENGINEERING

Depending Upon Exam Discipline:

- Paper and pencil (Minneapolis) October 2018, April 2019, October 2019, April 2020
- Computer-based, various exam date (Pearson-Vue Test Centers)

## FUNDAMENTALS OF SOIL SCIENCE; PRACTICE OF SOIL SCIENCE

- Paper and pencil (St. Paul)
- November 2018, April 2019, November 2019, April 2020

## FUNDAMENTALS OF SURVEYING; PRINCIPLES AND PRACTICE OF SURVEYING

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

# 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: 2,315

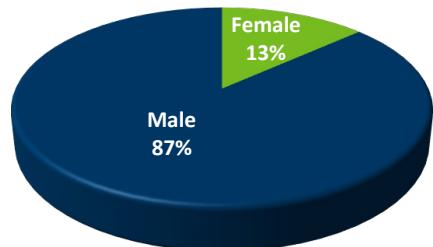
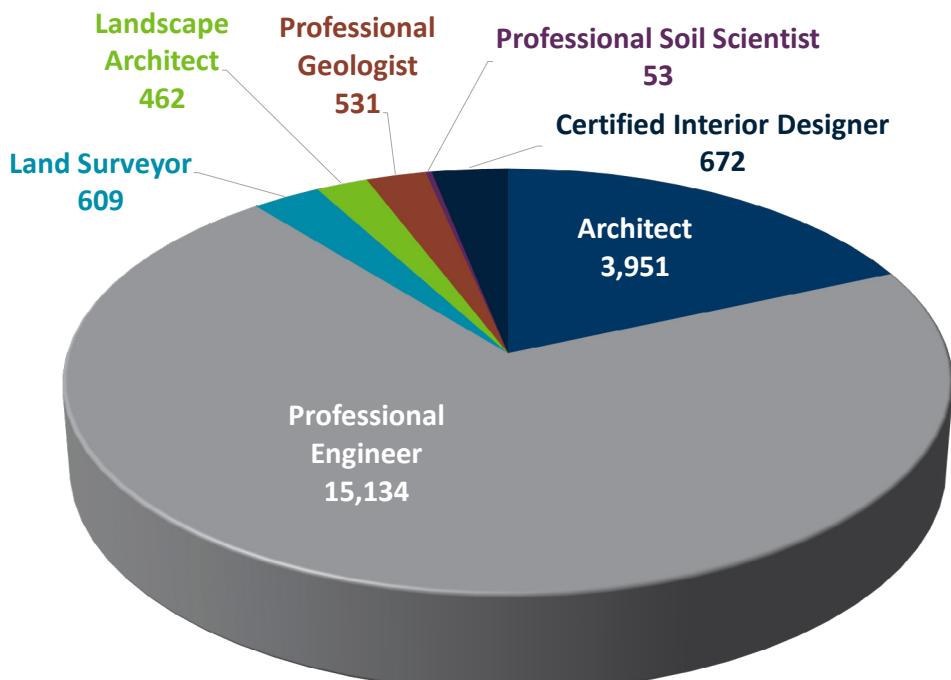
- Architect: 412
- Professional Engineer: 1,721
- Land Surveyor: 36
- Landscape Architect: 47
- Professional Geologist: 33
- Professional Soil Scientist: 2
- Certified Interior Designer: 64

## LATE RENEWALS: 2,268 (for 2018-2020 period)

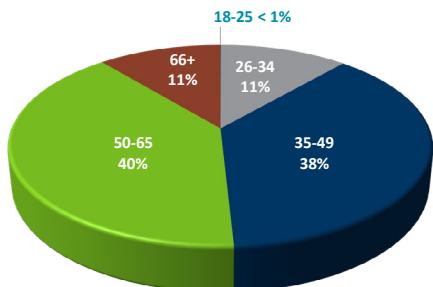
## 2020-2022 RENEWALS: 17,140 (as of 6/30/2020)

# STATISTICS AS OF JUNE 30, 2020

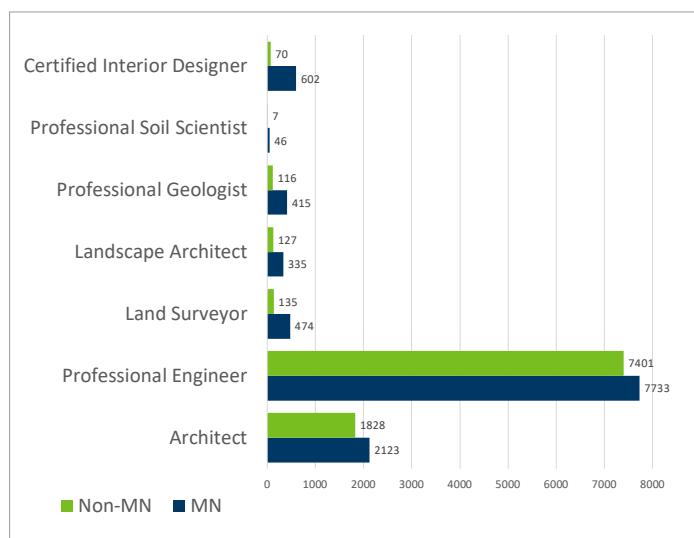
TOTAL LICENSEES/CERTIFICATE HOLDERS: 21,412



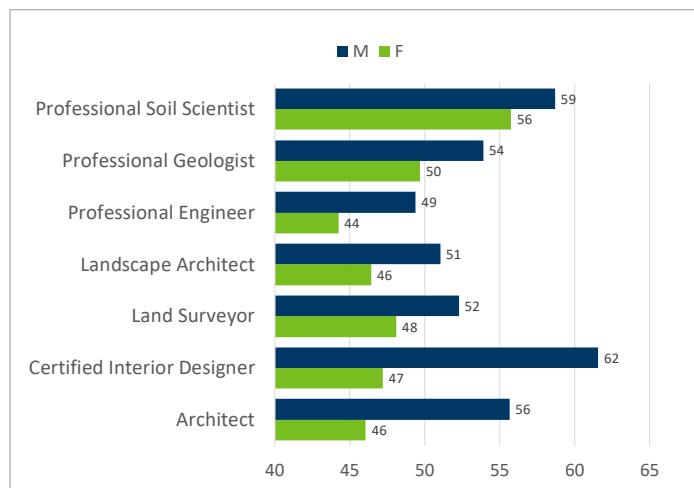
BY GENDER



## RESIDENCY, BY PROFESSION



## AVERAGE AGE, BY GENDER AND PROFESSION



# ARCHITECTURE

## Architect Registration Examination

Applicants may apply for the six-section, computer-based Architect Registration Exam (ARE 5.0). The exam is offered at Prometric test centers year round. Prior to a May 2019 rule change, the Board pre-approved applicants to sit for the exam. Now applicants register directly with the national council, NCARB. The change significantly streamlines the process for those who will eventually be license applicants without compromising qualifications. Candidates must pass all sections of the exam and meet education and experience requirements before obtaining a license.

## REQUIREMENTS FOR ADMISSION

- Graduation from an NAAB (National Architectural Accrediting Board) accredited curriculum; and
- Enrollment in the National Council of Architect Registration Boards (NCARB) Architectural Experience Program (AXP).

## EXAM APPLICATION STATISTICS

The Board received 136 applications for the Architect Registration Exam. All applications were approved. All but one application was received in FY19.

ARCHITECT EXAM APPLICATIONS*							
Residence / Gender	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN Female	15	28	7	1		51	38%
MN Male	14	35	22	4		75	55%
nonMN Female	2	5				7	5%
nonMN Male		2	1			3	2%
<b>Totals</b>	<b>31</b>	<b>70</b>	<b>30</b>	<b>5</b>	--	<b>136</b>	
As %	23%	51%	22%	4%	---		

\*See appendix for additional statistics.

## Architect Initial Licensure

### 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.

The total below include applicants prior to and after the ARE exam direct registration rule change.

ARCHITECT INITIAL LICENSES*							
Residence / Gender	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN Female	44	15	1			60	41%
MN Male	32	42	6			80	54%
nonMN Female	3					3	2%
nonMN Male	3	1	1			5	3%
<b>Totals</b>	<b>82</b>	<b>58</b>	<b>8</b>	--	--	<b>148</b>	
As %	---	56%	39%	5%	---		

\*See appendix for additional statistics.

# Architect Licensure by Comity

## REQUIREMENTS FOR LICENSURE

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



## ARCHITECT APPLICATIONS BY COMITY

- Applications received: 271
- Applications approved: 250
- Applications not approved: 21

ARCHITECT COMITY APPLICATIONS*							
Residence / Gender	Age					Approved	Not Approved
	18-25	26-34	35-49	50-65	66+		
MN Female	3	5	2			10	
MN Male	4	8	4			16	
nonMN Female	9	16	10			34	1
nonMN Male	1	18	78	96	17	190	20
<b>Totals</b>	<b>1</b>	<b>34</b>	<b>107</b>	<b>112</b>	<b>17</b>	<b>250</b>	<b>21</b>
As %	<1%	13%	39%	41%	6%		

\*See appendix for additional statistics.

## ARCHITECT BY LICENSES ISSUED

Residence / Gender	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN Female		3	5	2		10	4%
MN Male		4	6	3		13	5%
nonMN Female		9	18	11		38	14
nonMN Male	1	16	80	90	16	203	77%
<b>Totals</b>	<b>1</b>	<b>32</b>	<b>109</b>	<b>106</b>	<b>16</b>	<b>264</b>	
As %	<1%	12%	41%	40%	6%		

\*See appendix for additional statistics.

# 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. Prior to a May 2019 rule change, the Board pre-approved all applicants before they could register for the exam. Now applicants who have or will earn an Engineering Accreditation Commission (EAC-ABET) accredited degree 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, who 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

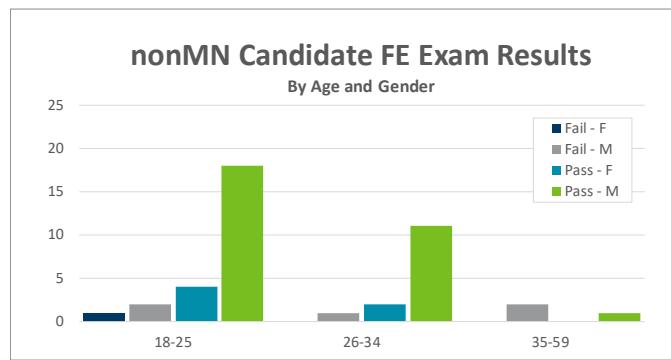
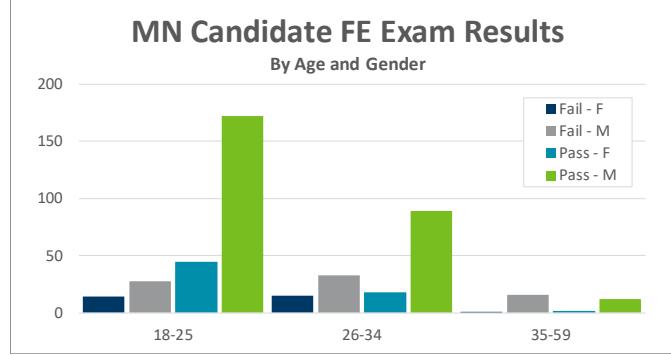
- Applicants with passing score: 374
- Applicants with failing score: 113
- Applicants yet to sit for the exam: 193

## EXAM APPLICATION STATISTICS

- Applications received: 689
- Applications approved: 680
- Applications not approved: 9

FE EXAM APPLICATIONS*							
Residence / Gender	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN Female	75	51	4			130	19%
MN Male	256	201	51			508	74%
nonMN Female	5	4				9	1%
nonMN Male	22	15	5			42	6%
<b>Totals</b>	<b>358</b>	<b>271</b>	<b>60</b>	---	---	<b>689</b>	
As %	52%	39%	9%	---	---		

\*See appendix for additional statistics.



# 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 Fundamentals of Engineering.

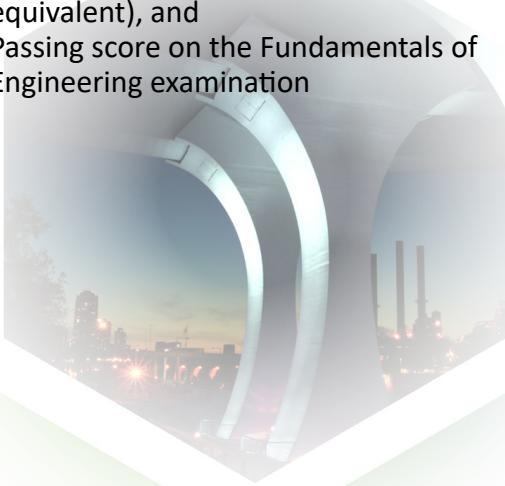
Applications to the Board for the FE exam are automatically granted an EIT certificate (a unique number), once the Board receives evidence that they have passed the exam and have qualifying education.

With the majority of those seeking to sit for the FE exam being eligible, as of May 2019, to register direct with NCEES by virtue of their EAC-ABET accredited degree, most of those issued an EIT certificate in future will likely have applied through the EIT certificate application, rather than the FE exam application.

The Board will begin offering an online EIT certificate application early in the 2020-2022 biennium.

## REQUIREMENTS FOR EIT CERTIFICATE

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



## EIT APPLICATION STATISTICS

The Board received 149 applications for the EIT certificate. All applications were approved. Nine applicants were from states other than Minnesota.

Residence / Gender	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN Female	20	4				<b>24</b>	16%
MN Male	67	42	7			<b>116</b>	78%
nonMN Female	1					<b>1</b>	1%
nonMN Male	4	4				<b>8</b>	5%
<b>Totals</b>	<b>92</b>	<b>50</b>	<b>7</b>	---	---	<b>149</b>	
As %	62%	33%	5%	---	---		

Including both EIT applicant and FE applicants who met the EIT certificate requirements, the Board issued a total of 684 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	79	27	4			<b>110</b>	16%
MN Male	301	183	32	4		<b>520</b>	76%
nonMN Female	7	3				<b>10</b>	2%
nonMN Male	27	11	4	2		<b>44</b>	6%
<b>Totals</b>	<b>414</b>	<b>224</b>	<b>40</b>	<b>6</b>	---	<b>684</b>	
As %	61%	33%	6%	<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 pre-approves 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.

### EXAM APPLICATION STATISTICS

- Applications received: 1,013
- Applications approved, including experience: 975
- Applications approved, experience decoupled: 18
- Applications not approved: 20

### 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.

Residence / Gender	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN Female		145	18	2		165	17%
MN Male	1	587	145	16		749	75%
nonMN Female		5	4			9	1%
nonMN Male	1	47	18	4		70	7%
<b>Totals</b>	<b>2</b>	<b>784</b>	<b>185</b>	<b>22</b>	---	<b>993</b>	
As %	<1%	80%	19%	<1%	---		

\*See appendix for additional statistics.

## EXAMINATION STATISTICS

Exam applicants choose between sixteen different examination disciplines (some with subdisciplines) for 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 are being converted to computer-based (CBT) format and several are now offered year round. By 2022, all will be converted to CBT except Structural, which will follow in 2024. Applicants who choose the 16-hour Structural exam must pass both the Lateral and Vertical Forces sections.



Due to COVID-19, all exam administrations were canceled for a period of time in spring 2020, with seats still only slowly becoming available across the country at the end of the biennium. Consequently, all "April 2020" results and a high number of "Year Round" results show as "Not Registered."

PE EXAM RESULTS																		
Exam Discipline	Year Round				October 2018				April 2019				October 2019				April 2020	Totals
	Pass	Fail	NS	NR	Pass	Fail	NS	NR	Pass	Fail	NS	NR	Pass	Fail	NS	NR	NR	
Agricultural & Biological									1									1
Architectural									1									1
Chemical	12	2			7													21
Civil					40	100	35	5	97	38	7	2	102	29	3	1	168	627
Control Systems					3	3	1						1	3				11
Electrical & Computer					6	16	15		19	10	1	1	14	12	1		25	120
Environmental	8	2			15	6	1	1										33
Fire Protection					1		1						2	2				6
Industrial & Systems					2				2									4
Mechanical	10	4			37	26	11	1	33	9	4	1	25	10	1		3	175
Mining/Mineral					2	1							2	1				6
Nuclear	1																	1
Vertical Forces					4	5			3		1	2	5	1		10	31	
Metallurgical					1													1
																		1,038

NR = Not Registered   NS = No Show for Exam

# PROFESSIONAL ENGINEERING

# Professional Engineer Licensure by Examination ("Initial Licensure")

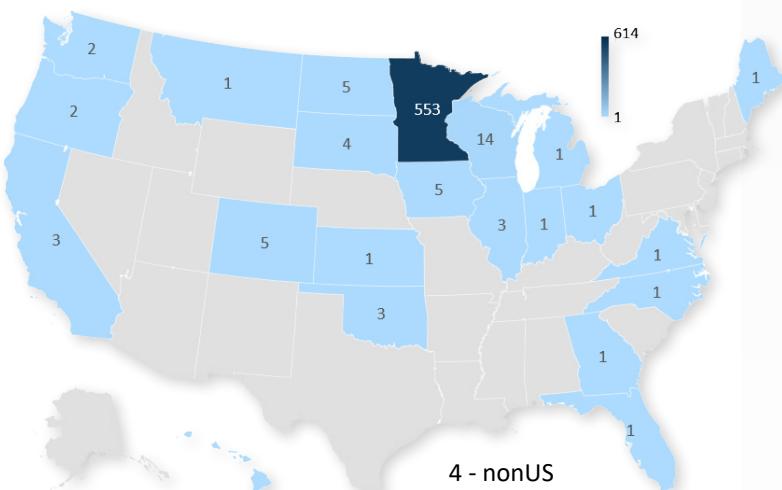
## SUMMARY STATISTICS

LICENSURE BY EXAMINATION							
Residence / Gender	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN Female		89	5	2		<b>96</b>	16%
MN Male		388	61	8		<b>457</b>	74%
nonMN Female		9	2			<b>11</b>	2%
nonMN Male	2	38	9	1		<b>50</b>	8%
<b>Totals</b>	<b>2</b>	<b>524</b>	<b>77</b>	<b>11</b>	---	<b>614</b>	
As %	<1%	85%	13%	2%	---		

See appendix for additional statistics.

## STATE OF RESIDENCY

Eighty percent of those who apply for licensure by examination are Minnesota residents. The balanced are primarily distributed throughout a handful of states.



# Professional Engineer 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 APPLICATION STATISTICS\*

- Applications Received: 870
- Applications Approved: 817
- Applications Not Approved: 18
- Applications Withdrawn: 12
- Incomplete\*\*: 23

## EEE APPLICATION STATISTICS\*

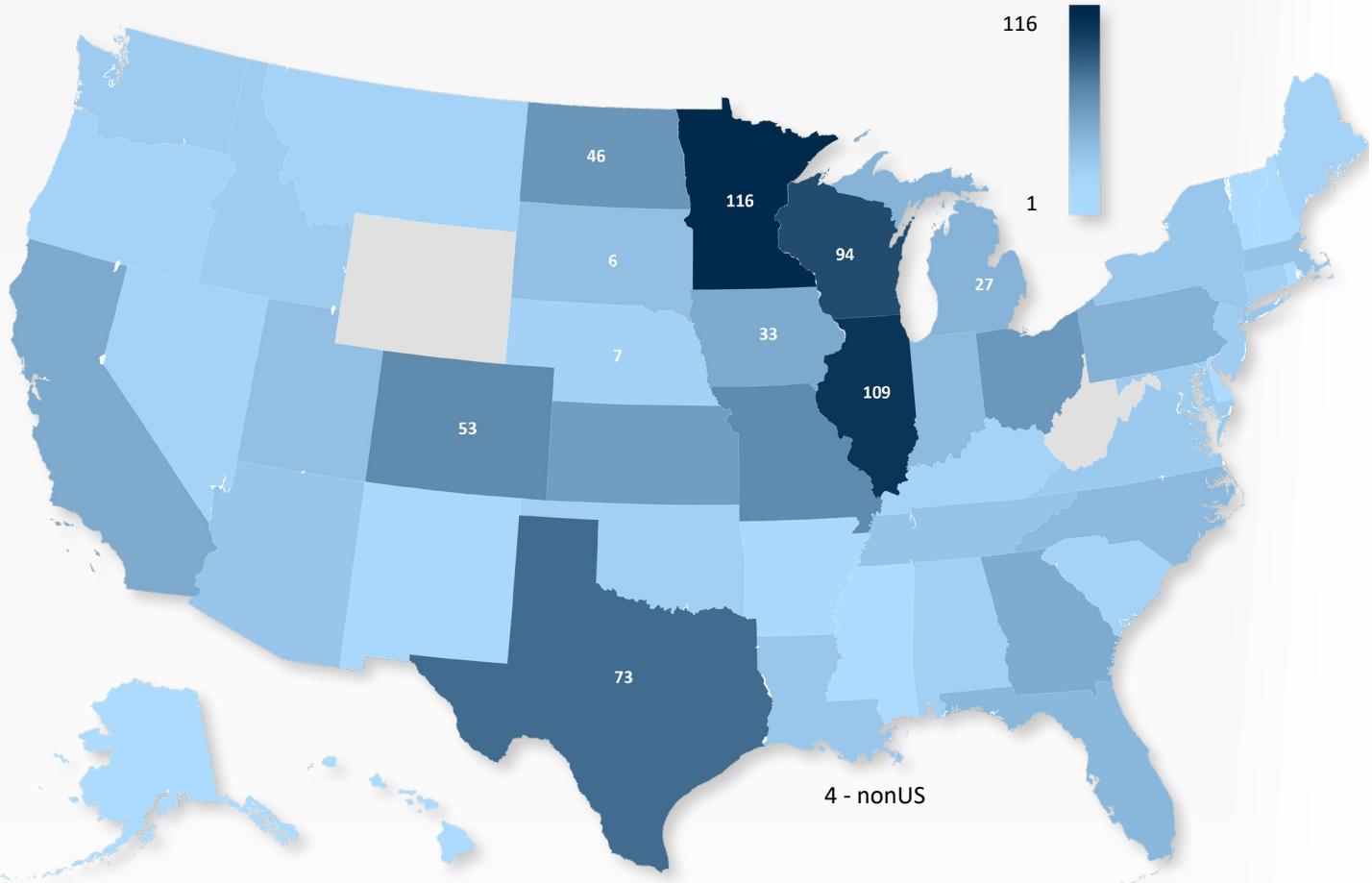
- Applications Received: 291
- Applications Approved: 283
- Applications Not Approved: 5
- Incomplete\*\*: 3

\*\*As of biennium end.

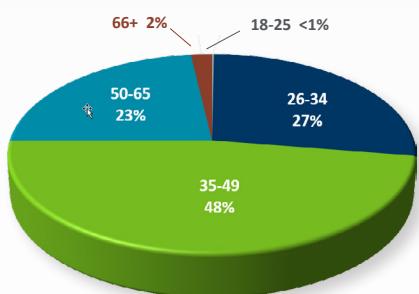
## by Comity and by “EEE”

### STATE OF RESIDENCE, COMITY AND EEE COMBINED\*

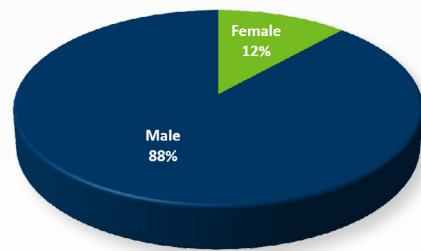
A total of 1,107 individuals, residing in 48 states and foreign countries, were licensed by Comity and EEE in the biennium.



### GENDER, COMITY AND EEE COMBINED\*



### AGE, COMITY AND EEE COMBINED\*



\*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: 34
- Applications approved: 33
- Applications not approved: 1
- Minnesota residents: 30
- non-Minnesota residents: 4

### EXAMINATION RESULTS

- Applicants with passing score: 21
- Applicants with failing score: 6

FS EXAMINATION*							
Result	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
Pass	5	5	11			21	78%
Fail	2	2	2			6	22%
<b>Totals</b>	<b>7</b>	<b>7</b>	<b>13</b>	---	---	<b>27</b>	
As %	26%	26%	48%	---	---		

\*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: 33
- Applications approved: 31
- Applications not approved: 2
- Minnesota residents: 30
- non-Minnesota residents: 3

## EXAMINATION RESULTS

- Applicants with passing score: 21
- Applicants with failing score: 3

PS EXAMINATION*							
Result	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
Pass	2	4	13	2		21	87%
Fail			3			3	13%
<b>Totals</b>	<b>2</b>	<b>4</b>	<b>16</b>	<b>2</b>	---	<b>24</b>	
As %	8%	17%	67%	8%	---		

# LAND SURVEYING

## Minnesota Land Surveying Examination

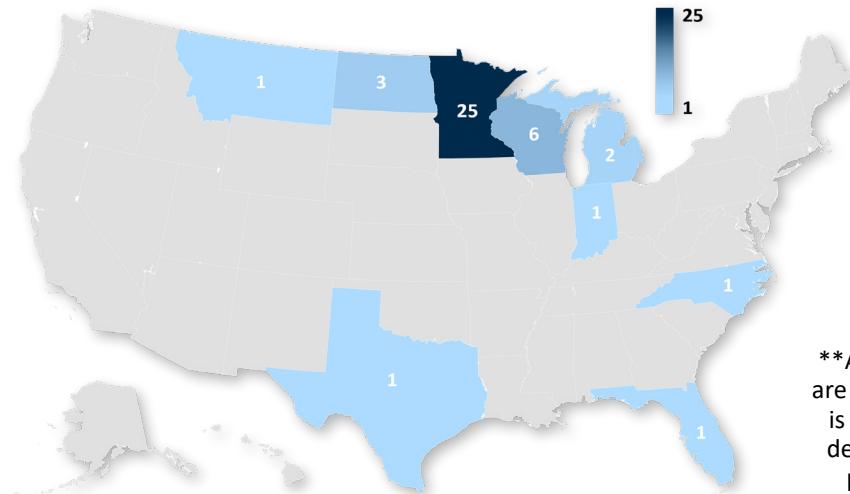
In addition to the Principles and Practice of Surveying (PS) examination, applicants for licensure as a land surveyor must pass the Minnesota Land Surveying (MMLS) exam. The examination is a paper-and-pencil examination administered by Board staff trained to proctor examinations. During the biennium, this examination was offered three times. A fourth administration in April 2020 was canceled due to the COVID-19 pandemic.\*

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

### REQUIREMENTS FOR ADMISSION

Candidates for this examination are those that have been approved for the Principles and Practice of Surveying exam and those that have been approved for licensure as a land surveyor by comity (contingent upon passing the MMLS). Applicants who fail the exam may apply to retake the exam.

### EXAMINEES' STATE OF RESIDENCY



### EXAMINATION DATES

- October 2018
- October 2019
- April 2019
- April 2020 (canceled)

### EXAMINATION RESULTS

- Applicants approved: 48
- Applicants with passing score: 34
- Applicants with failing score: 8
- Canceled\*: 6

MMLS EXAM STATISTICS**							
Residence / Result	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN - Pass	2	4	15	1		22	52%
MN - Fail		1	2			3	7%
nonMN - Pass		5	4	3		12	29%
nonMN - Fail		1	3	1		5	12%
<b>Totals</b>	<b>2</b>	<b>11</b>	<b>24</b>	<b>5</b>	---	<b>42</b>	
As %	5%	26%	57%	12%	---		

\*\*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 both the Principles and Practice of Surveying (PS) and the Minnesota Land Surveying (MMLS) examinations and paying the license fee, individuals who applied for a license “by exam” are issued a license number.

Additionally, applicants for licensure by comity must meet the education, examination, and experience requirement that were in place in Minnesota at the time of their original licensure in another state. Individuals whose applications are approved for licensure by comity must also pass the MMLS examination before they are issued a license.



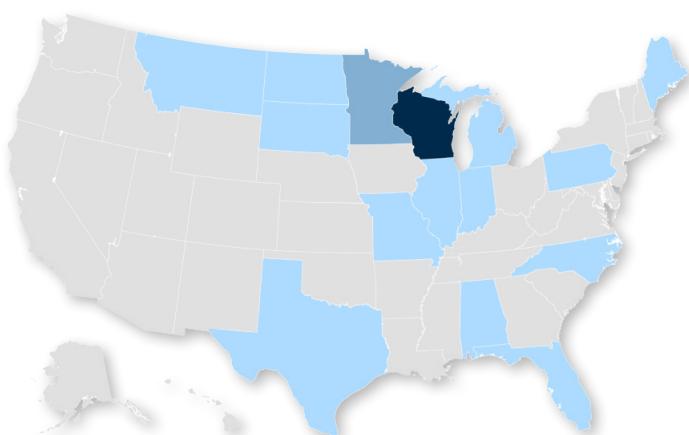
## COMITY APPLICATION STATISTICS

- Applications received: 28
- Applications approved: 26
- Applications not approved: 2

All the applicants were male.

## COMITY APPLICANTS' STATE OF RESIDENCY

- Minnesota residents: 3
- non-Minnesota residents: 25



## LICENSES ISSUED BY EXAMINATION (“INITIAL LICENSURE”) AND COMITY

LAND SURVEYOR LICENSES ISSUED***							
Method	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
Examination	2	7	15	1		25	67%
Comity		3	5	3		11	33%
<b>Totals</b>	<b>2</b>	<b>10</b>	<b>20</b>	<b>4</b>	---	<b>36</b>	
As %	5%	28%	56%	11%	---		

\*\*\*See appendix for more statistics.

# LANDSCAPE ARCHITECTURE

## Landscape Architect Initial Licensure

Applicants for licensure as a landscape architect first apply directly to the Council of Landscape Architect 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 Architecture 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: 27
- Applications approved: 27
- Applications not approved: 0

### INITIAL LICENSES ISSUED

LANDSCAPE ARCHITECT INITIAL LICENSES								
Residence / Gender	Age					Female	Male	Totals
	18-25	26-34	35-49	50-65	66+			
MN	7	5				12		25
	7	6					13	
IL	1					---	1	1
NY		1				---	1	1
<b>Totals</b>	---	<b>15</b>	<b>12</b>	---	---	<b>12</b>	<b>15</b>	<b>27</b>
As %	---	56%	44%	---	---	48%	52%	

# 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.

## APPLICATION STATISTICS

- Applications received: 20
- Applications approved: 20
- Applications not approved: 0



## LICENSES ISSUED BY COMITY

Residence	Age					Female	Male	Totals
	18-25	26-34	35-49	50-65	66+			
AZ			1			1		2
CO		2					2	2
DE			1				1	1
GA				1			1	1
IA			1				1	1
IL				1	1	1		1
MN	1					1		4
	1	2					3	
MT				1			1	1
ND	1						1	1
NY			1				1	1
OH			1				1	1
TN			1				1	1
WA				1			1	1
WI			1		1		2	2
<b>Totals</b>	---	<b>5</b>	<b>8</b>	<b>6</b>	<b>1</b>	<b>3</b>	<b>17</b>	<b>20</b>
As %		25%	40%	30%	5%	15%	85%	

# 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. Due to the COVID-19 pandemic, the March 2020 administration of the exam was canceled.\*

Applicants are pre-approved 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: 121
- Applications approved: 120
- Applications not approved: 1

FG EXAM APPLICATIONS*							
Residence / Gender	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN Female	14	14	2			30	25%
MN Male	40	24	9			73	60%
nonMN Female	1	3				4	3%
nonMN Male	4	7	3			14	12%
<b>Totals</b>	<b>59</b>	<b>48</b>	<b>14</b>	---	---	<b>121</b>	
As %	49%	40%	11%	---	---		

\*See appendix for additional statistics.

### EXAMINATION DATES

- October 2018
- March 2019
- October 2019
- March 2020 (canceled)

### EXAMINATION RESULTS

- Applicants with passing score: 49
- Applicants with failing score: 21
- No show: 4
- No registration: 1
- Canceled: \* 44

FG EXAM STATISTICS**							
Residence / Result	Age					Female	Male
	18-25	26-34	35-49	50-65	66+		
MN - Pass	23	11	4			12	26
MN - Fail	10	4	4			2	16
nonMN - Pass	3	7	1			2	9
nonMN - Fail	1	1	1			1	2
<b>Totals</b>	<b>37</b>	<b>23</b>	<b>10</b>	---	---	<b>17</b>	<b>53</b>
As %	53%	33%	14%	---	---	24%	76%

\*\*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. Due to the COVID-19 pandemic, the March 2020 administration of the exam was canceled.\*\*\*

Applicants are pre-approved 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.



## 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.

## EXAMINATION RESULTS

- Applicants with passing score: 26
- Applicants with failing score: 2
- Canceled\*\*\*: 7

PG EXAM STATISTICS**							
Residence / Result	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN - Pass		15	7			22	79%
MN - Fail		2				2	7%
nonMN - Pass		2		1	1	4	14%
nonMN - Fail						---	---
<b>Totals</b>	---	<b>19</b>	<b>7</b>	<b>1</b>	<b>1</b>	<b>28</b>	
As %	---	68%	25%	<4%	<4%		

\*\*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.

## APPLICATION STATISTICS

- Applications received: 42
- Applications approved: 35
- Applications not approved: 7
- Minnesota applicants: 30
- non-Minnesota applicants: 5

# PROFESSIONAL GEOLOGY

## Professional Geology 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 STATISTICS

- Applications received: 7
- Applications approved: 6
- Applications not approved: 1
- Minnesota applicants: 2
- non-Minnesota applicants: 5

All applicants were male.

Residence / Result		Age					Approved	Not Approved
		18-25	26-34	35-49	50-65	66+		
MN		1	1				2	
nonMN		1	2	1	1		4	1
<b>Totals</b>	<b>---</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>6</b>	<b>1</b>
As %	---	29%	43%	14%	14%	86%	14%	

### LICENSES ISSUED BY EXAMINATION ("INITIAL LICENSURE") AND COMITY

PG LICENSES ISSUED									
State of Residence	Age Category					Gender		Method	
	18-25	26-34	35-49	50-65	66+	Female	Male	Initial	Comity
MN	4	3				7		7	
	12	7					19	16	3
nonMN	2	2	2	1		1	6	4	3
<b>Totals</b>	<b>---</b>	<b>18</b>	<b>12</b>	<b>2</b>	<b>1</b>	<b>8</b>	<b>25</b>	<b>27</b>	<b>6</b>
As %	---	55%	36%	6%	3%	24%	76%	82%	18%

# PROFESSIONAL SOIL SCIENCE

## Fundamentals of Soil Science Examination

The Fundamentals of Soil Science (FSS) examination is the first exam on the path to licensure as a professional soil scientist. This paper-and-pencil examination is offered in April and November.\* Applicants are pre-approved by the Board for the examination, which is administered by Board staff trained as proctors. 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 (see Minnesota Rules 1800.3910).

### APPLICATION STATISTICS\*\*

- Applications received: 9
- Applications approved: 9
- Applications not approved: 0

Three SSIT credentials were issued. All recipients were female Minnesota residents, aged 18-25.

### EXAMINATION DATES

- November 2018
- April 2019
- November 2019
- April 2020 (canceled)

### EXAMINATION RESULTS

- Applicants with passing score: 2
- Applicants with failing score: 2
- Canceled: 5

# Professional Practice of Soil Science Examination

The second examination on the path to licensure as a Professional Soil Scientist (PSS) is the Professional Practice Exam. The examination is a paper-and-pencil examination offered in April and November.\* Applicants are pre-approved 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.



## REQUIREMENTS FOR ADMISSION

- Bachelor's degree or higher in soil science with a minimum of 16 semester credits in soil science and 14 semester credits in closely related geoscience courses (see Minnesota Rules 1800.3910);
- Passing score on the Fundamentals of Soil Science exam; and
- Completion of four to five years of qualifying experience (depending on education) obtained under the direct supervision of a licensed geologist, licensed soil scientist or licensed professional engineer.

## APPLICATION AND LICENSURE STATISTICS

The Board received one application for the Professional Practice exam during the biennium. As the information is now public data, it may be stated that the applicant was a male Minnesota resident, aged 35-49, who passed the exam and was later licensed.

## 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 STATISTICS

The Board received no applications for licensure as a professional soil scientist by comity during the biennium.

\*Due to the COVID-19 pandemic, the April 2020 administration of Fundamentals and Practice of Soil Science exams was canceled.

\*\*Additional statistics for the Fundamentals of Soil Science exam 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.

# CERTIFIED INTERIOR DESIGN

## Certified Interior Design 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 NCIDQ exam is made up of three sections and is offered two times per year in April and September/October. After an individual has successfully passed all three sections of the examination, he or she 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 certified interior designer, NCIDQ certificate holder or licensed architect.

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

### APPLICATION STATISTICS

- Applications received: 58
- Applications approved: 55
- Applications not approved: 2
- Applications withdrawn: 1

CID APPLICATIONS							
Residence / Gender	Age					Totals	As %
	18-25	26-34	35-49	50-65	66+		
MN Female	3	27	8	2		40	73%
MN Male			5	3		8	15%
nonMN Female	2	2	1			5	9%
nonMN Male				2		2	4%
<b>Totals</b>	<b>5</b>	<b>29</b>	<b>14</b>	<b>7</b>	---	<b>55</b>	
As %	9%	53%	25%	13%	---		

### 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: 6
- Applications approved: 5
- Applications not approved: 1

### CERTIFICATIONS ISSUED - INITIAL AND COMITY

CERTIFICATIONS ISSUED									
State of Residence	Age Category					Gender		Method	
	18-25	26-34	35-49	50-65	66+	Female	Male	Initial	Comity
MN	3	31	11	2		47		46	1
		1	7	2			10	10	
nonMN	1	3	1		2	5		4	1
							2	2	
<b>Totals</b>	<b>4</b>	<b>35</b>	<b>19</b>	<b>6</b>	---	<b>52</b>	<b>12</b>	<b>62</b>	<b>2</b>
As %	6%	55%	30%	9%	---	24%	76%	82%	18%

# 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 resolved 189 complaints and opened 172 new files.

## Complaint Allegations

(A single complaint may have multiple allegations)

TYPE	TOTAL
Action Taken in Another Jurisdiction	14
Code of Conduct Violation	3
Criminal Action Taken	1
Failed to Complete CE Requirements	26
Failure to Cooperate	25
Holding Out	39
Illegal Plan Stamping	1
Incompetent	1
Infringement of Copyright Plan	2
Misconduct	18
Negligent	11
Other	13
Practicing Without a License	28
Signed Drawing w/o Proper License	2
Unlicensed Practice	4

## Complaint Resolutions

TYPE	TOTAL
Closed by Board Due to Extenuating Circumstances	3
Complainant Declined Authorization	9
Compliance with Order	1
Corrective Action Taken	26
Educational Outreach	22
No Jurisdiction	13
No Violation	29
Other Order	11
Settlement Agreement and Cease Order	9
Stipulation and Consent Order	38
Suspension	1
Unable to Substantiate	27

## Respondents' Profession



# ENFORCEMENT

## Public Orders Issued

The Board issued 38 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 \$46,250. 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	Failed to Complete CE Requirements
Architect	Reprimand	Stipulation and Consent Order	\$500	Failed to Complete CE Requirements
Architect	Reprimand	Stipulation and Consent Order	\$500	Failed to Complete CE Requirements
Architect	Reprimand	Stipulation and Consent Order	\$750	Failed to Complete CE Requirements
Architect	Reprimand	Stipulation and Consent Order	\$1,000	Failed to Complete CE Requirements
Architect	Reprimand	Stipulation and Consent Order	\$1,000	Failed to Complete CE Requirements
Architect	Reprimand	Stipulation and Consent Order	\$2,000	Failed to Complete CE Requirements
Architect	Reprimand	Settlement Agreement and Cease Order	\$1,000	Holding Out   Practicing Without a License
Architect	Reprimand	Stipulation and Consent Order	\$1,000	Infringement of Copyright Plan   Misconduct
Architect	Reprimand	Stipulation and Consent Order	\$4,000	Practicing Without a License
Architect	Reprimand	Stipulation and Consent Order	\$2,000	Practicing Without a License   Signed Drawing w/o Proper License
Architect / CID	Reprimand	Stipulation and Consent Order	\$1,000	Failed to Complete CE Requirements
Certified Interior Designer	Reprimand	Stipulation and Consent Order	\$500	Holding Out   Practicing Without a License
Landscape Architect	Reprimand	Stipulation and Consent Order	\$500	Failed to Complete CE Requirements
Professional Engineer	Revocation	Finding of Fact, Conclusion of Law and Order		Action Taken in Another Jurisdiction
Professional Engineer	Suspension	Stipulation and Consent Order		Action Taken in Another Jurisdiction
Professional Engineer	Reprimand	Stipulation and Consent Order	\$500	Action Taken in Another Jurisdiction
Professional Engineer	Reprimand	Stipulation and Consent Order	\$1,000	Action Taken in Another Jurisdiction
Professional Engineer	Reprimand	Stipulation and Consent Order	\$2,000	Action Taken in Another Jurisdiction
Professional Engineer	Reprimand	Order Granting Summary Disposition	\$2,000	Code of Conduct Violation   Failed to Complete CE Requirements   Failure to Cooperate   Misconduct



<b>License Type</b>	<b>Status Change</b>	<b>Type of Action</b>	<b>Civil Penalty</b>	<b>Brief Statement of Reason for Action</b>
Professional Engineer	Reprimand	Stipulation and Consent Order	\$500	Failed to Complete CE Requirements   Failure to Cooperate
Professional Engineer	Reprimand	Stipulation and Consent Order	\$500	Failure to Cooperate
Professional Engineer	Reprimand	Stipulation and Consent Order	\$750	Failure to Cooperate
Professional Engineer	Reprimand	Stipulation and Consent Order	\$500	Holding Out
Professional Engineer	Reprimand	Settlement Agreement and Cease Order	\$1,000	Holding Out   Practicing Without a License
Professional Engineer	Reprimand	Stipulation and Consent Order	\$1,500	Holding Out   Practicing Without a License
Professional Engineer	Reprimand	Stipulation and Consent Order	\$1,500	Holding Out   Practicing Without a License
Professional Engineer	Reprimand	Stipulation and Consent Order	\$2,000	Holding Out   Practicing Without a License
Professional Engineer	Reprimand	Settlement Agreement and Cease Order	\$5,000	Holding Out   Practicing Without a License
Professional Engineer	Reprimand	Stipulation and Consent Order	\$500	Illegal Plan Stamping
Professional Engineer	---	Order (Allowing Application for Reinstatement)		Terms of Prior Stipulation and Consent Order Deemed Met
Professional Geologist	Reprimand	Stipulation and Consent Order	\$1,000	Failed to Complete CE Requirements
Professional Geologist	Reprimand	Stipulation and Consent Order	\$1,500	Holding Out   Practicing Without a License
Unlicensed	---	Finding of Fact, Conclusion of Law and Order for Discipline	\$250	Holding Out
Unlicensed	---	Settlement Agreement and Cease Order	\$1,500	Holding Out   Practicing Without a License
Unlicensed	---	Stipulation and Consent Order	\$2,000	Holding Out   Practicing Without a License
Unlicensed	---	Stipulation and Consent Order	\$4,000	Holding Out   Practicing Without a License
Unlicensed	---	Settlement Agreement and Cease Order	\$500	Practicing Without a License

# APPENDIX - ARCHITECTURE

## Architect Licensure by Comity Applications

Architect by Comity Applications - 2018-2020 Biennium												
State of Residence	Age Category					Gender		Status		Approved	Not Approved	Total
	18-25	26-34	35-49	50-65	66+	Female	Male					
AL		1					1	1				
AR			1				1	1				
AZ			4				4	2	2			
CA		1	1			2		2				
	1	2	5	2			10	10				
CO	1	1				2		2				
	1	5	4	1			11	10	1			
CT			1			1		1				
FL		1				1		1				
		3	4	3			10	10				
GA	1	2	3	1			7	7				
IA		1	1			2		2				
	1	4	6				11	11				

COMITY CONTINUES NEXT COLUMN ►

## Architect Registration Examination

Architect Exam Applications - 2018-2020 Biennium												
State of Residence	Age Category					Gender		Status		Approved	Not Approved	Total
	18-25	26-34	35-49	50-65	66+	Female	Male					
CA	1					1		1				
CO	2					2		2				
DC	1						1	1				
MA	2					2		2				
MN	15	28	7	1		51		51				
	14	35	22	4			75	75				
NY	1						1	1				
PA	1					1		1				
WI	1					1		1				
nonUS		1					1	1				
<b>Totals</b>	<b>31</b>	<b>70</b>	<b>30</b>	<b>5</b>	---	<b>58</b>	<b>78</b>	<b>136</b>	---			
<b>As %</b>	23%	51%	22%	4%	---	43%	57%	100%	---			

State of Residence	Age Category					Gender		Status		Approved	Not Approved	Total
	18-25	26-34	35-49	50-65	66+	Female	Male					
IL		4	2							6	6	
IN		3	7	19	1					30	26	4
KS		1	2	2						5	5	
LA			1							2	2	
MA		1								3	3	
MI			1							1	1	
MN		1	3	4						8	8	
		3	5	2						10	10	
		4	8	4						16	16	
MO			2	1						3	2	1
	1	2	3	8						14	14	
NC										2	2	
ND		2	2	1						5	5	
NJ		1								8	8	
			1							1	1	
NV										1	1	
NY		1	1	4	3					9	9	
OH			1	2						3	3	
		1	5	6						12	9	3
OK			4							4	4	
PA		1	4	3	1					9	8	1
SC			1	1						2	2	
SD			3							3	3	
TN			2							2	2	
TX			8	2						10	7	3
UT			3	1						4	3	1
VA			1	1						2	2	
			1							1	1	
WA										2	2	
WI			1							1	1	
		2	8	8						18	15	3
<b>Totals</b>	<b>1</b>	<b>34</b>	<b>107</b>	<b>112</b>	<b>17</b>	<b>45</b>	<b>226</b>	<b>250</b>	<b>21</b>			
<b>As %</b>	<1%	13%	39%	41%	6%	17%	83%	92%	8%			

## Architect Licensure

Architect Licenses Issued - 2018-2020 Biennium																		
State of Residence	Age Category				Gender	Method		Age Category				Gender	Method					
	18-25	26-34	35-49	50-65	66+	Female	Male	Initial	Comity	18-25	26-34	35-49	50-65	66+	Female	Male	Initial	Comity
AL		1					1											
AR			1				1											
AZ			2	1			3											3
CA		1	1			2							2					
		3	7	2			12	1	11									
CO	2	1				3		1	2									
	1	5	4				10			10								
CT			1			1							1					
DC		1					1						1					
FL		2				2							2					
		4	4	3			11			11								
GA	1	2	3	1			7			7								
IA		1	1			2							2					
		3	5	6				14	2	12								
IL	4	2	1			7							7					
	3	6	16	1			26			26								
IN	1	2	2				5			5								
KS		1	1			2							2					
		1	1	1	1		3			3								
LA		1					1			1								
MA	1		6	1			8			8								
MI			1			1							1					
		1	3	5				9		9								
MN	47	20	3			70		60	10									
	36	48	9				93	80	13									
MO			1			1							1					
	1	3	3	8			15	1	14									

# APPENDIX - PROFESSIONAL ENGINEERING

## Fundamentals of Engineering (FE) Examination and Engineer-in-Training (EIT) Certificate

FE Exam Applications - 2018-2020 Biennium										
State of Residence	Age Category					Gender	Status			
	18-25	26-34	35-49	50-65	66+	Female	Male	Approved	Not Approved	
CA		2					2	2		
FL	1						1	1		
IA	1					1		1		
IL	3	1	1				5	5		
		1					1		1	
MI	1						1	1		
MN	75	48	4			127		127		
	256	198	49				503	503		
		3				3			3	
		3	2				5		5	
MO	1						1	1		
MT		1					1	1		
NC	1						1	1		
NE	1					1		1		
NY	1					1		1		
	1						1	1		
OH	1	1					2	2		
SD	2						2	2		
TX	1	1				2		2		
	1						1	1		
WA	1					1		1		
WI	1	1				2		2		
	12	8	1				21	21		
nonUS		1				1		1		
		1	1				2	2		
<b>Totals</b>	<b>358</b>	<b>271</b>	<b>60</b>	<b>---</b>	<b>---</b>	<b>139</b>	<b>550</b>	<b>680</b>	<b>9</b>	
As %	52%	39%	9%	---	---	20%	80%			

EIT Certificates Issued - 2018-2020 Biennium*										
State of Residence	Age Category					Gender				State Total
	18-25	26-34	35-49	50-65	66+	Female	Male			
CA	1								2	2
FL	1								1	1
IA		2							2	3
IL	1								1	3
MI	1								1	1
MN	79	27	4				110		520	630
	301	183	32	4						
MO	1								1	1
MT	1								1	1
NC	1								1	1
ND	1								3	4
NE	1								1	1
OH	1	1							2	2
SD	1	1							2	2
TX	1	1							1	3
	1								1	
WA	1								1	1
WI	3								3	24
	13	6	1	1					21	
WY			1						1	1
nonUS		1	1	1					3	3
<b>Totals</b>	<b>414</b>	<b>224</b>	<b>40</b>	<b>6</b>	<b>---</b>	<b>120</b>	<b>564</b>	<b>684</b>		
As %	61%	33%	6%	<1%	---	18%	82%			

## Principles and Practice of Engineering (PE) Examination

With an March 2020 rule change, Principles and Practicing of Engineering exam applicants can decide whether they want to submit documentation of the experience they will need in order to be licensed prior to sitting for the examination or after, a concept known as “decoupling” of the experience requirement. The status column shows which applicants submitted their experience with their application (the majority, given the rule only came into effect in the last half of the last year of the biennium) and which chose the “decoupling” option of sitting prior to gaining all experience required for eventual licensure.

All applicants must meet education and examination (passing the FE exam) requirements prior to sitting for the PE exam.



PE Exam Applications - 2018-2020 Biennium										
State of Residence	Age Category					Gender		Status		
	18-25	26-34	35-49	50-65	66+	Female	Male	Approved (Exp Submitted)	Approved (Exp Decoupled)	
AZ	1						1	1		
CA		1				1		1		
CO	5						5	5		
FL		1				1		1		
		4					4	4		
GA	3						3	3		
HI		1					1	1		
IA	1					1		1		
	6	1					7	5	2	
IL	1	1					2	2		
KS	1						1	1		
MA		1					1	1		
MD	1						1	1		
ME	1						1	1		
MN	149	19	2		170		161	4	5	
	596	150	17			764	739	10	15	
MT	1						1	1		
NC	1	2				3		3		
ND	8	1					9	9		
NE		1	3				4	4		
OH	2						2	2		
PA		1					1	1		
SC	1						1	1		
SD	3						3	3		
TX	1						1	1		
UT	1						1	1		
WA		1					1	1		
WI	3					3		2	1	
	1	5	5				11	10	1	
nonUS	3	1	1				5	5		
<b>Totals</b>	<b>2</b>	<b>797</b>	<b>191</b>	<b>23</b>	<b>---</b>	<b>179</b>	<b>834</b>	<b>975</b>	<b>18</b>	<b>20</b>
As %	<1%	79%	19%	<1%	---	18%	82%	96%	2%	2%

# APPENDIX - PROFESSIONAL ENGINEERING

## Professional Engineer Licensure by Comity

PE Comity Applications - 2018-2020 Biennium																			
State of Residence	Age Category					Gender		Status		State of Residence	Age Category					Gender		Status	
	18-25	26-34	35-49	50-65	66+	Female	Male	Approved	Not Approved		18-25	26-34	35-49	50-65	66+	Female	Male	Approved	Not Approved
AK	1						1	1		NC				1		1	1		
AL	2	4	2				8	8		ND	4	10	3			17	17		
AR		2					2	2		NE	3	1				4	4		
AZ		1	1			2		1	1	NH	22	10	1			33	33		
	1	2	3				6	6		NJ	3	4	1			8	8		
CA	3	8	7	1			19	15	4	NH		1	1			2	2		
CO		1	1			2		2		NJ		5	2			7	7		
	11	20	14				45	44	1	NM		1	1	1		3	3		
CT		1				1		1		NY	1	1			2		2		
	2	1	1	1			5	5		OH	1	7	3	1		12	1	1	
FL	4	15	7				26	26		OK	11	21	11			43	42	1	
GA		1				1			1	OR	2	5	1			8	8		
	4	14	7				26	26		PA	1	3	1			1	1		
IA	3	1				4		4		RI	1					5	5		
	5	11	4				20	20		SC	1					2	2		
ID		3	2				5	5		SD	3	6	12			21	20	1	
IL	1	5				6		6		RI		1				1	1		
	8	38	19	2			67	66	1	SC		1				1	1		
IN	1	1				2		2		SD	1	2				3	3		
	5	10	4	1			20	19	1	TN	3	2				5	4	1	
KS		1				1		1		SD	8	5	1			14	14		
	16	13	7				36	36		TN	2	6	3			11	11		
KY	1	4					5	5		TX	1	5				6	6		
LA	1	4	5				10	10		TX	7	31	11	2		51	48	3	
MA	2	6	2				10	10		UT	3	5	6			14	14		
MD	2	3	4				9	9		VA	1					1	1		
ME		1				1		1		VA	1	6	1			8	8		
	1	1	1				3	3		WA	1	5	2			8	7	1	
MI	1		1			2		2		WA	1	7	1			9	9		
	8	6	8				22	22		WI	18	28	5			51	51		
MN	2	6				8		8		nonUS		4				4	4		
	23	26	9	1			59	58	1	Totals	---	223	414	188	10	66	769	817	18
MO	1	3				4		4		As %	---	27%	50%	22%	1%	8%	92%	98%	2%
	14	18	4				36	36											
MS		1					1	1											
MT	1	2					3	3											

## Professional Engineer Licensure by Education, Examination, and Experience (“EEE”)

PE EEE Applications - 2018-2020 Biennium																			
State of Residence	Age Category				Gender		Status		State of Residence	Age Category				Gender		Status			
	18-25	26-34	35-49	50-65	66+	Female	Male	Approved	Not Approved	18-25	26-34	35-49	50-65	66+	Female	Male	Approved	Not Approved	
AL			1			1	1			NC		3	2	1		6	6		
AZ	2	2	1			5	5			ND	2	4				6	6		
CA	7	7	4	1		19	19			NE		2				2	2		
CO			1		1			1		NJ		1				1	1		
	3	2	2			7	6	1		NM		1				1	1		
CT			2			2	2			NV	1	3	1			5	5		
DE		1				1	1			NY	1			1		2	2		
FL		1	1			2	2			OH	1	2	2	1		6	6		
GA		3	1	1		5	5			OK		1				1	1		
IA	3	1	1			5	5			OR		1				1	1		
ID	1	5	1			7	7			PA		2	7			9	9		
IL	3				3		3			SC		1				1	1		
	11	10	4			25	25			SD	1	3				4	4		
IN		1	1		2		2			TN	1	3	1			5	5		
		1			1		1			TX	1	1			2		2		
KS	1	2	2			5	5				4	4	4			12	12		
KY		1				1	1			UT		1	2			3	3		
LA	2	1				3	3			VA			2			2	2		
MA	1	5	1			7	7			WA	1	2	1			4	4		
MD			4			4	4			WI	1	2	1		4		4		
ME			1			1	1				6	9	7	4		26	26		
MI	2				2		2			nonUS		3	1			4	3	1	
		2				2	2												
MN	8	4			12		11	1											
	1	24	14	2		41	40	1											
MO	4	6	4			14	13	1											
MT	1	1				2	2												

# APPENDIX - PROFESSIONAL ENGINEERING

## Professional Engineer Licensure

Professional Engineer Licenses Issued - 2018-2020 Biennium																				
State of Residence	Age Category				Gender		Method		State of Residence	Age Category				Gender		Method				
	18-25	26-34	35-49	50-65	66+	Female	Male	Initial	Comity/EEE	18-25	26-34	35-49	50-65	66+	Female	Male	Initial	Comity/EEE		
AK	1						1		1	NC	1				1		1			
AL	2	3	3				8		8	ND	3	1		1	4		4			
AR		2					2		2	29	17	1		47	5	42				
AZ		2				2			2	NE	3	4			7		7			
AZ	4	4	5				13		13	NH			1		1		1			
CA	10	16	8	2			36	3	33	NJ	1	6	3		10		10			
CO	1	1	2			4		1	3	NM		1			1		1			
CO	15	22	16				54	4	50	NV	1	3	2		2		2			
CT		1				1			1	NY	1				6		6			
CT	2	2	3	1			8		8	OH	10	21	13	1	45	1	44			
DE		1					1		1	OK	1	1			2		1			
FL		1				1			1	OR	4	4	1		9	2	7			
FL	3	14	7				24		24	PA	1				1		1			
GA	5	16	10	2			33	1	32	PA	2	9	15		26		26			
HI		2					2	1	1	RI			1		1		1			
IA	4	2				6		2	4	SC		1	1		2		2			
IA	12	14	5	1			32	3	29	SD	1	1	2		4		4			
ID	1	6	4				11		11	TN	3	8	5		18	3	15			
IL	4	4	2			10			10	TX	1	2	5	1	9		9			
IL	21	55	25	1			102	3	99	UT	10	36	16	2	64		64			
IN	1	1	1			3			3	VA	4	6	9		19		19			
IN	5	13	2				20	1	19	VA	3	6	3		12	1	11			
KS		2				2			2	VT		1			1		1			
KS	14	15	11				40	1	39	WA		1			1		1			
KY		6					6		6	WA	2	9	1		12	1	11			
LA	4	4	5	1			14		14	WI	6	9	3		18	3	15			
MA	3	10	3				16		16	WI	1	30	43	12	4	90	11	79		
MD	1	3	7				11		11	nonUS	2	6	3	1	12	4	8			
ME		1				1			1	Totals	4	825	603	267	21	203	1517	613	1107	
ME	3	1	2				6	1	5		As %	<1%	48%	35%	16%	1%	12%	88%	36%	64%
MI		3	1			4			4											
MI	9	8	7				24	1	23											
MN		98	15	2		115		96	19											
MN	1	433	97	21	1		553	456	97											
MO		1	2			3			3											
MO	18	24	8				50		50											
MS		1					1		1											
MT	4	3					7	1	6											

# APPENDIX - LAND SURVEYING

## Land Surveyor-In-Training

LSIT Certificates Issued - 2018-2020 Biennium								
State of Residence	Age Category					Gender		State Total
	18-25	26-34	35-49	50-65	66+	Female	Male	
MI			1				1	1
MN			1			1		21
	3	7	10				20	
MT			1				1	1
ND	1						1	1
<b>Total</b>	<b>4</b>	<b>7</b>	<b>13</b>	<b>---</b>	<b>---</b>	<b>1</b>	<b>23</b>	<b>24</b>
As %	17%	29%	54%	---	---	4%	96%	



## Land Surveying Licensure

LS Licenses Issued - 2018-2020 Biennium								
State of Residence	Age Category					Gender		Method
	18-25	26-34	35-49	50-65	66+	Female	Male	
FL			1				1	1
IL			1				1	1
							1	
IN	1						1	1
MI		1					1	1
MN	2	5	14	1			22	22
			2				2	
MT	1						1	1
NC			1				1	1
ND		1					1	1
			1				1	
TX			1				1	1
WI		1					1	1
	1	1					2	
<b>Totals</b>	<b>2</b>	<b>10</b>	<b>20</b>	<b>4</b>	<b>---</b>	<b>---</b>	<b>36</b>	<b>25</b>
As %	5%	28%	57%	11%	---	---	100%	36%
								64%

# APPENDIX - PROFESSIONAL GEOLOGY

## Fundamental of Geology Examination

## Professional Geology Licensure

FG Exam Applications - 2018-2020 Biennium									
State of Residence	Age Category					Gender		Status	
	18-25	26-34	35-49	50-65	66+	Female	Male	Approved	Not Approved
CO	1					1	1		
IA	2					2		2	
MN	14	14	2			30		30	
	40	24	9				73	72	1
ND	1	3	1				5	5	
SD	1	1					2	2	
WA		1					1	1	
WI	1	1				2		2	
		2	1				3	3	
<b>Totals</b>	<b>59</b>	<b>48</b>	<b>14</b>	<b>---</b>	<b>---</b>	<b>34</b>	<b>87</b>	<b>120</b>	<b>1</b>
As %	49%	40%	12%	---	---	28%	72%	100%	<1%

PG Licenses Issued - 2018-2020 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
IL				1			1	1	
MI	1						1		1
	4	3				7		7	
MN	12	7					19	16	3
OR					1		1		1
TX			1				1		1
WI			1				1		1
<b>Totals</b>	<b>--</b>	<b>18</b>	<b>12</b>	<b>2</b>	<b>1</b>	<b>8</b>	<b>25</b>	<b>27</b>	<b>6</b>
As %	---	55%	36%	6%	3%	24%	76%	82%	18%

## Geologist-In-Training

GIT Certificates Issued - 2018-2020 Biennium									
State of Residence	Age Category					Gender		State Total	
	18-25	26-34	35-49	50-65	66+	Female	Male		
CO	1					1		1	
IA	1					1		2	
MN	8	2	2			12		28	
	8	7	1				16		
WA		1					1	1	
WI	1	1					2	2	
<b>Total</b>	<b>18</b>	<b>12</b>	<b>4</b>	<b>---</b>	<b>---</b>	<b>13</b>	<b>21</b>	<b>34</b>	
As %	53%	35%	12%	---	---	38%	62%		

# APPENDIX - CERTIFIED INTERIOR DESIGN

## CID Certificates Issued

CID Certificates Issued - 2018-2020 Biennium										
State of Residence	Age Category					Gender		Method		
	18-25	26-34	35-49	50-65	66+	Female	Male	Initial	Comity/EEE	EE
MN	3	31	11	2		47		46	1	
		1	7	2			10	10		
ND		1				1		1		
			1				1	1		
NV	1	1				2		1	1	
NY			1				1	1		
VA	1					1		1		
nonUS		1				1		1		
<b>Totals</b>	<b>4</b>	<b>35</b>	<b>19</b>	<b>6</b>	<b>---</b>	<b>52</b>	<b>12</b>	<b>62</b>	<b>2</b>	
<b>As %</b>	6%	55%	30%	9%	---	81%	19%	97%	3%	





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