



Committee Meeting Agenda & Minutes

Education Committee Meeting Objective:

Provide the most comprehensive and highest quality Educational Content for the On-Site Power Generation Industry.

Date and Time: Monday, October 4, 2021
Location: Orlando, FL
Time: 3:30 – 5:30 PM
Chairperson: Chad Youkers

Preparation

Please review emailed content prior to the meeting (if possible) to allow us to keep the meeting moving. The two hours never seems like enough time! Please consult the EGSA APP for the following documentation: Spring 2021 Education Committee Minutes, Education Committee Initiatives and the Spring 2021 Education Report. Reading these before the meeting will greatly streamline our time together and allow us to stay on track.

Schedule

Item	Description
<i>Welcome – Introductions</i>	Chair: Chad Youkers Introductions to Committee Officers, Attendees and Short Introduction to each. Please state: <ul style="list-style-type: none"> • Name – Title – Company • EGSA History / Contributions • What you hope to gain from attending this meeting
<i>Report</i>	Technician Certification Committee <ul style="list-style-type: none"> • Nathan met with Ferris State in July about concerns • Ferris State will soon be offering online testing • Discuss test updating cost (\$6,000 for both tests to be updated) • A vote needs to be conducted to suggest to Board that we want to incur this expense.
<i>Report</i>	Fall 2021 Minutes – Please review via the APP before the meeting.
<i>Report Review / Q&A</i>	Education Report Please review Nathan’s report before the meeting to be ready for a discussion.
<i>Report</i>	Load Bank Certification Sub-Committee <ul style="list-style-type: none"> • School in July had 4 students • Next school is Nov 2-4 in Glendale, AZ

<i>Ideas for New Business / Initiatives</i>	The Education Committee Strategic Initiatives have been updated to reflect activity over the past 12 – 18 months and the planned direction forward. Please review this important document before the meeting to prepare for this discussion. This should be viewed as an agenda review to help determine which topics become New Business.
<i>Old Business/Report</i>	Increase On-site Power Generation Book Sales – Discuss Kindle Version Availability, etc.
<i>Old Business</i>	EGSA U <ul style="list-style-type: none"> • Discuss pros & cons of Spring 19 roll-out and plans for future
<i>Old Business</i>	Increase # of EGSA Certified Technicians. <ul style="list-style-type: none"> • Some ideas: • More categories • More segmentation • Easier testing process • Aligning Tech Certifications with Schools • Promote the value.
<i>Old Business</i>	George Rowley Schools. <ul style="list-style-type: none"> • Bi-Annual complete content review. • Instructor training. • Alignment with Certification(s)?
<i>New Business</i>	Please let the Chair know at the beginning of the meeting if you would like to present a motion for New Business.
<i>New Business</i>	George Rowley School Instructors – Nathan to provide update and advise if action items.
<i>New Business</i>	LMS Update – Nathan Harris to provide update.
<i>New Business</i>	Education Committee Secretary Position is open. Soliciting Volunteers for consideration for this position. Please advise if interested or if you know someone who is.
<i>New Business</i>	

Notes

Education Committee Mission Statement:

Working with the Education Director and with feedback and input from EGSA members and the industry at large, the Committee ensures that EGSA is providing the most comprehensive and highest quality educational programming possible.

The Committee takes an active role in monitoring and making improvements to our On-Site Power Generation schools, Continuing Education Unit (CEU) program and to On-Site Power Generation: A Reference Book. The Committee also reviews credentials of prospective instructors and makes recommendations to the Board of Directors for their approval. Finally, and perhaps most importantly, the Committee looks forward to identifying future needs and proactively creates programs, plans and strategies that are recommended to the Board of Directors for review and action.



Committee Meeting Agenda & Minutes

Education Committee Meeting Objective:

Provide the most comprehensive and highest quality Educational Content for the On-Site Power Generation Industry.

Date and Time: Monday, April 19, 2021
Location: Naples, FL
Time: 3:30 – 5:30 PM
Chairperson: Chad Youkers

Preparation

Please review emailed content prior to the meeting (if possible) to allow us to keep the meeting moving. The two hours never seems like enough time! Please consult the EGSA APP for the following documentation: Fall 2019 Education Committee Minutes, Education Committee Initiatives and the Spring 2021 Education Report. Reading these before the meeting will greatly streamline our time together and allow us to stay on track.

Schedule

Item	Description
<i>Welcome – Introductions</i>	Chair: Chad Youkers Introductions to Committee Officers, Attendees and Short Introduction to each. Please state: <ul style="list-style-type: none"> - Name – Title – Company - EGSA History / Contributions - What you hope to gain from attending this meeting
<i>Report</i>	Technician Certification Committee
<i>Report</i>	Fall 2019 Minutes – Please review via the APP before the meeting.
<i>Report Review / Q&A</i>	Education Report Please review Nathan’s report before the meeting to be ready for a discussion.
<i>Report</i>	Load Bank Certification Sub-Committee
<i>Ideas for New Business / Initiatives</i>	The Education Committee Strategic Initiatives have been updated to reflect activity over the past 12 – 18 months and the planned direction forward. Please review this important document before the meeting to prepare for this discussion. This should be viewed as an agenda review to help determine which topics become New Business.
<i>Old Business/Report</i>	Increase On-site Power Generation Book Sales – Discuss Kindle Version Availability, etc.
<i>Old Business</i>	EGSA U Discuss pros & cons of Spring 19 roll-out and plans for future

<i>Old Business</i>	Increase # of EGSA Certified Technicians. Some ideas: More categories. More segmentation. Easier testing process. Aligning Tech Certifications with Schools. Promote the value.
<i>Old Business</i>	George Rowley Schools. Bi-Annual complete content review. Instructor training. Alignment with Certification(s)?
<i>New Business</i>	Please let the Chair know at the beginning of the meeting if you would like to present a motion for New Business.
<i>New Business</i>	George Rowley School Instructors – Nathan to provide update and advise if action items.
<i>New Business</i>	LMS Update – Nathan Harris to provide update.
<i>New Business</i>	
<i>New Business</i>	

Notes

Education Committee Mission Statement:

Working with the Education Director and with feedback and input from EGSA members and the industry at large, the Committee ensures that EGSA is providing the most comprehensive and highest quality educational programming possible.

The Committee takes an active role in monitoring and making improvements to our On-Site Power Generation schools, Continuing Education Unit (CEU) program and to On-Site Power Generation: A Reference Book. The Committee also reviews credentials of prospective instructors and makes recommendations to the Board of Directors for their approval. Finally, and perhaps most importantly, the Committee looks forward to identifying future needs and proactively creates programs, plans and strategies that are recommended to the Board of Directors for review and action.

Call to order at 3:30pm by Chairman Chad Youkers.

18 attendees

1. Review non-disclosure and ethics standards by Chad
2. Review Committee Initiatives by Chad
3. Tech cert report by Tom Wein
 - a. Troubles with Ferris State. Unresponsive. Hard to work with. Testing facilities hard to find.
 - b. Motion to Bring Tech Cert back under Education Committee by Tom Wein.
 - i. Seconded Bob Piske. Passed on voice vote.
 - ii. Chair appointed Tom Wien as chair of Tech Cert.
 - c. 2 tests (apprentice and journeyman) are about 4 years old. Efforts underway to update.
 - i. Shifting to secure on-line site/method that will ensure security concerns (prevent stealing questions).
 - ii. Content will be edited to switch to smaller sessions/modules. Complexity will not change, only breaking into smaller segments for ease of use.
 - iii. Instant testing results
 - d. Review old content / add new content as needed
4. Education Director report by Nathan Harris. See document for details.
 - a. New request for custom Basic school from NBC Universal NYC
5. Load Bank Committee report. Tom Wein
 - a. Making a lab guide for students to use during hands-on training
 - b. 2 classes successfully done with good reviews.
 - c. 2 classed scheduled for 2021. Might be an option for a third.
 - d. Investigating 2 part testing system: apprentice and journeyman

Old Business

6. EGSA U
 - a. Get local companies interested in attending EGSA conference
 - b. Motion made by Dennis Roundtree to request board to investigate into repeating EGSA-U for next conf.
 - c. Seconded by Herb D. Passed by voice vote.
7. Sunday afternoon schools
 - a. Motion by Dennis R for Education committee to support the Sunday afternoon school concept and would like to have Sunday sessions at next conf. Content to be discussed at future EdCom meeting.
 - b. Seconded by Herb. Passed by voice vote.
8. Web site content
 - a. Motion by Tom Wein with friendly amendment by Steve Evans to request board edit web site content to clarify schools and tech cert. relationship
 - b. Seconded by Nathan Harris. Passed by voice vote.
 - c. Chair appointed Steve Evans to create proposed text to be submitted to BOD. See Below.
9. Spirited informal discussion about content of the Rowley schools, the Tech Cert program, and education in general
 - a. Chair comment: Rowley School content being reviewed over next few months. Members encouraged to send in content suggestions to Nathan Harris
10. Sales level training working group
 - a. Chair Chad appointed Dennis R to lead sub-committee to create curriculum for sales level training program. Lee, Ben Seals. Chad Y all offered to help.
11. Round robin closing comments very positive. Several new members were motivated to continue participation
- Old Business items postponed due to time constraints.
12. Adjourn 5:38

Attendee list (partial)

Chad, Walter, Nathan, Steve

Ken Lapinski, Mosebach, klapinski@mosebachresistors.com. 412/418-7676

Lee Newton, Bay Diesel, lee.newton@baydiesel.com, 804/405-0131

Tom Wein, Prime Power, twein@primepower.com, 262/349-6021

Ben Seals, Thompson CAT, benjaminseals@thompsoncontractor.com, 251/295-5446

Dennis Rountree

Brent Stephens, Loftin, bstephens@loftinequip.com, 210/556-5133

Steve Pinkerton, TAW, steve.pinkerton@tawinc.com, 904/237-8020

Bob Piske

Jim Landis, The Power Connection, jiml@tpcgenerators.com, 540/578-4979

Damien Raspe, Crestchic, dmaienraspe@chrestchic.com, 267/271-6363

Jon Pinney, Buckeye Power Sales, jpinney@buckeyepowersales.com. 330/256-6064

Proposed new text for the schools website. (insert links at underlined text)

The Basic School is geared for those that need an understating of the theory and application of the mechanical and electrical components within a reciprocating internal combustion engine driven power generation system. Many sales, marketing, management, applications engineers, beginning engine technicians, administrative personnel, and those new to the industry have benefitted from this course.

Designed to augment the Basic School, the Advanced School is designed for those who have previously attended the Basic school or equivalent training and experience with a good understanding of the basic mechanical and electrical systems found in an on-site generator set. While a brief review of many concepts from the Basic School is included, the Advanced School quickly moves into a more in depth examination of the topics and theory. A minimum of 3 years experience in the industry is highly recommended. It will be particularly useful for those employed in engineering, project management, service positions and technicians.

In addition to the two George Rowley Schools of On Site Power Generation, EGSA offers a On Site Power Generation Technician Certification testing program with two levels of certifications offered; Apprentice and Journeyman. While the two George Rowley Schools offer an excellent foundation in the fundamentals of On Site Power Generation, the successful technician needs a more detailed education specifically designed for the professional technician. Commonly used to confirm technical competence following a formal training program, the Technician Certification program also includes study guides.

EGSA – Education Committee – Initiatives

Overview

Working with the Education Director and with feedback and input from EGSA Members and the industry at-large, the Committee ensures that EGSA is providing the most comprehensive and highest quality educational programming possible. The Committee takes an active role in monitoring and making improvements to our Rowley On-Site Power Generation Schools, Continuing Education Unit (CEU) Program and to On-Site Power Generation: A Comprehensive Guide to On-Site Power. The Committee also reviews credentials of prospective instructors and makes recommendations to the Board of Directors for their approval. Finally, and perhaps most importantly, the Committee looks forward to identifying future needs and proactively creates programs, plans and strategies to recommend to the Board of Directors for review and action.

Initiatives

Increase Certified Technicians

- Explore the potential of a Master Technician certification.

Increase On-Site Power reference book sales

- Explore the potential of digital book sales – Available on Kindle – searchability functionality?

Introduce new courses relevant to industry trends and requirements

- Online learning. We need to increase participation. What are the contributors and what will drive growth? **Replaced the LMS in December – Still WIP – Nathan to update**
 - Different class offerings.
 - Different format (more interactive).
 - Different audiences.
- EGSA Sales Certification **Further discussion / Interest level required**
- George Rowley Schools. Investigating the future and direction that makes the most sense for EGSA, the instructors and the students.
- EGSA U – Where do we go next with this? Was held during conference – Spring 21

Conduct full curriculum review of Rowley Schools every 2 years

- Formal school curriculum update process
- Process to recommend section and topic additions

Expand technician education and training

- Increase genset technical programs in order to increase qualified technicians entering the industry.
 - DoD opportunities
 - Tech. schools/colleges/vocational schools – regional presence needed for these.

EGSA Education Report – Fall 2021

Audience: EGSA Board

Location: Orlando, FL

EGSA Generator Technician Certification Program

1. 2021 Data Snapshot:

- Certification attempts are bouncing back after 2020 COVID decline.
- Apprentice Certification attempts have already surpassed 2020 total attempts.
- Journeyman Certification attempts are back to pre-COVID 2019 levels.
- Study Guide purchases are back to pre-COVID levels.
- Ferris State is working towards online testing and easier proctor setup process.

History:

Total tests taken since 2005	9,019
Total tests passed since 2005	4,598 (51%)
Recertified, overall	951
Recertified, 2021 only	29
Total Currently Certified as of Aug 31, 2021	1,195

Data provided by Ferris State University.

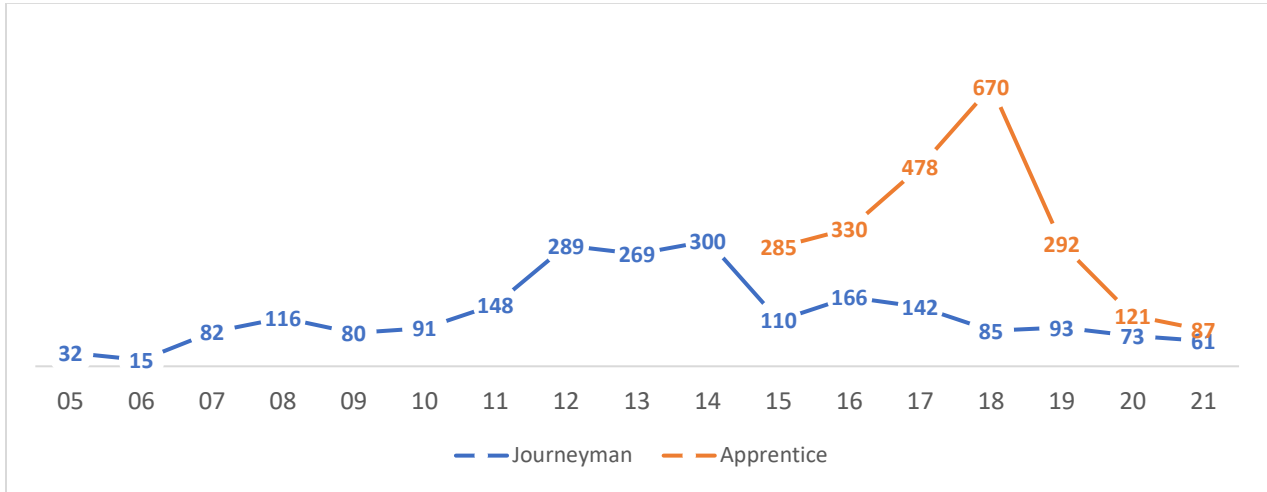
2021 Totals, As of Aug 31st

2021	Apprentice			Journeyman		
	Total	Pass	Pass %	Total	Pass	Pass %
Jan	10	6	60 %	8	5	63 %
Feb	2	2	100 %	5	3	60 %
Mar	5	4	80 %	11	8	73 %
Apr	42	36	86 %	24	18	75 %
May	17	12	71 %	9	4	44 %
Jun	7	5	71 %	22	7	32 %
Jul	20	17	85 %	19	11	58 %
Aug	5	5	100 %	12	5	42 %
Sep						
Oct						
Nov						
Dec						
2021 Totals	108	87	82 %	110	61	55 %
<i>2020 Year End Totals</i>	<i>91</i>	<i>75</i>	<i>82 %</i>	<i>141</i>	<i>73</i>	<i>52 %</i>

EGSA Education Report – Fall 2021

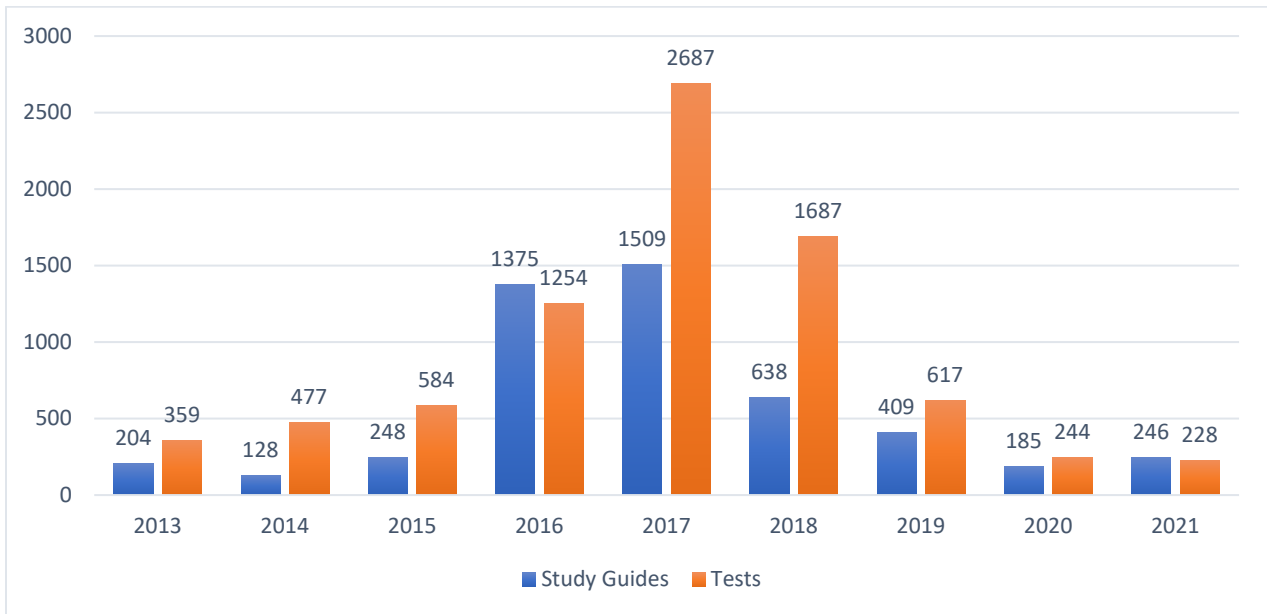
2. Technicians Certified by Year:

- 2021 Totals, As of Aug 31st



3. Study Guide & Test Sales:

- 2021 Totals, As of Aug 31st



EGSA Education Report – Fall 2021

George Rowley School of On-Site Power Generation

1. 2021 School Registrations:

Dates	Location	School	Registered	CEU Tests
Mar 15-18	Miami, FL	Basic	19	9
May 17-20	Kansas City, MO	Advanced	<i>(Canceled)</i>	<i>N/A</i>
Jun 7-10	Houston, TX	Basic	18	1
Jul 19-22	Atlanta, GA	Advanced	15	0
Oct 18-21	Las Vegas, NV	Basic	31	2

- March, June, and July had total capacity of 25 attendees per class.
- October has a capacity of 40.
- May Advanced School canceled for low registration.

2. Capacity Trends:

Year	Basic	Advanced
2013	96 %	70 %
2014	97 %	92 %
2015	87 %	78 %
2016	85 %	67 %
2017	59 %	64 %
2018	93 %	73 %
2019	74 %	71 %
2020	64 %	N/A
2021	76 %	60 %

- Still accepting registration for October Basic School

3. On-Demand Schools:

- Hypower Inc – Fort Lauderdale, FL: Q4 2021
 - 20 attendees
 - Standard Advanced (*Saturdays only*)
 - Working on scheduling in Nov-Dec
- NBC Universal – New York City, NY
 - Interested in class prior to 2021 Olympics
 - Could not make schedule work
 - Still interested in 2022 training

EGSA Education Report – Fall 2021

4. 2022 Rowley Schools Locations & Dates:

- Based on 2020 and 2021 data, highest registration numbers were vacation destination cities.
 - San Diego 2020: 32 attendees, highest non-PowerGen since 2018
 - Miami 2021: 19 attendees, high registration mid-pandemic
 - Las Vegas 2021: 31 registered, highest registration since pandemic
- Recommendations for 2022:
 - New Orleans, LA
 - Nashville, TN
 - Austin, TX
 - Anaheim, CA
 - Boston, MA

Online Learning

1. Learning Management System Traffic:

Course Title	Assigned	Completed
Introduction to On-Site Power Generation	186	125
NFPA 70E, Electrical Safety	51	42
Overcurrent Protection: Circuit Breakers & Fuses	31	25
Basic Starting Systems	6	6
Load Bank Fundamentals (Launching in October)	NA	NA

- BenchPrep launching with egasa.org SSO
- 4 courses available at launch
- 5th course to be added in October

2. Webinars:

- Live Webinars with Rowley School Instructors
- 2020 Data:
 - Offerings: 8 Total (4 Basic, 4 Advanced)
 - Total Students: 42
 - Total Income: \$4,640
- 2021 Data: *As of Sep 30th*
 - Offerings: 16 Total (8 Basic, 6 Advanced)
 - Total Students: 191
 - Total Income: \$24,390

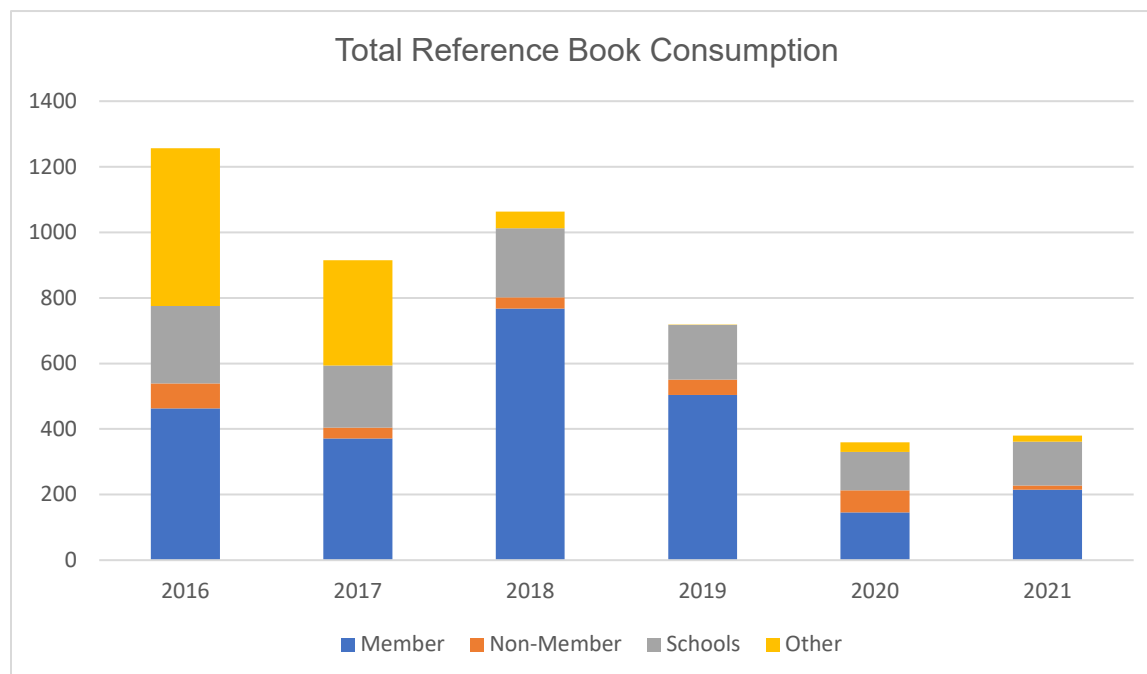
EGSA Education Report – Fall 2021

On-Site Power Generation Reference Book

1. Inventory & Sales Report:

- Dec 31, 2020 Inventory: 1414

	<u>2020</u>	<u>2021</u>
• Total Usage:	400	443
• Income from Book Sales (\$):	\$53,081.85	\$52,847.12
• Average Monthly Income:	\$4,423.49	\$6,605.89



2. Digital Version of the Reference Book:

- Became available on Amazon Kindle apps 5/18/2020.
- \$186.00 for digital version.
- 2021 Kindle Sales: 5
- Kindle Income: \$304.34

3. External Site Availability:

- Amazon.com
 - Price listed as \$286.00 + shipping (*same as non-member price*)
 - 2021 Sales: 14
 - Amazon Income: \$3,372.68
- Access Intelligence/Power Magazine <https://store.powermag.com/>

EGSA Education Report – Fall 2021

- Price listed as \$286.00 + shipping (same as non-member price)
- Sales: 0
- Access Intel: \$0.00

Additional Education Notes

Load Bank School & Certification Program:

- Reached the 15 attendee minimum to complete Ferris State Certification Process.
- Third school completed: Jul 27-29, 2021
- Next school: Nov 2-4, 2021 Glendale, AZ
- Premier Partners:
 - Prime Power Services
 - ASCO
 - Arizona Generator Technology
 - RX Monitoring Services

Other Education Director Responsibilities:

- Serve as EGSA Staff Liaison for Technician of the Year selection process
 - Gather TOYA applications and data
 - Schedule and record interviews with candidates
 - Forward recordings to TOYA chairperson