

WELCOME TO LEAGUE CITY!



NAPTA Summer General Meeting 2018
Friday, June 22, 2018
South Shore Harbour Conference Center
League City, TX



Welcome to the NAPTA General Meeting

**Greetings from the NAPTA
Board Interim Vice-Chair**

David King

Safety Moment

“caring by sharing”

Presentation of NAPTA Board

2018 Board of Director Members Are:

David Esquibel – Chair/Chief Executive Officer

David King – Interim Vice-Chair

Glenn Johnson – Treasurer/Chief Financial Officer

Eric Newby – President/Executive Director

Steve Backman – Secretary

Madonna Adams – Director

Sallie Kay Janes – Director

Scott Krejci – Director

Participant Introductions

Executive Director – Eric Newby

- **Name (nickname, if you dare...) and Title**
- **Employer – Who you're here representing**
- **Job/Duties – What you do for who you're with**
- **PTEC Involvement – How you contribute - Advisory or NAPTA committee(s) or other**
- **PLEASE BE BRIEF...**



Pearson

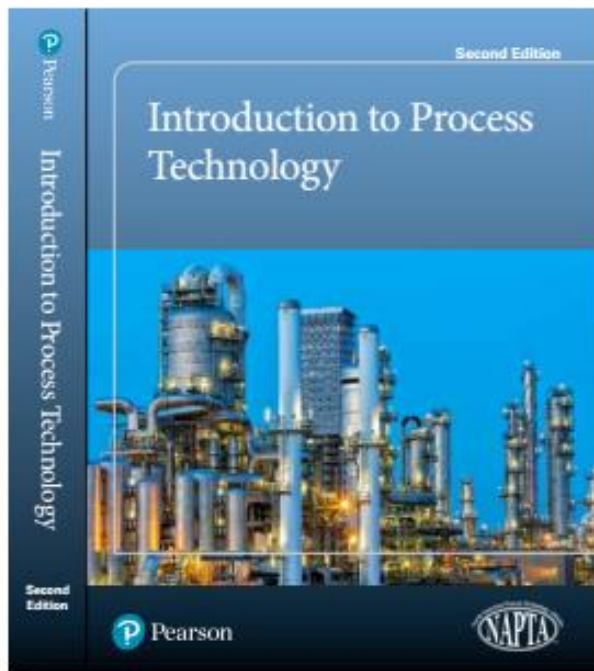


Learning Materials Update

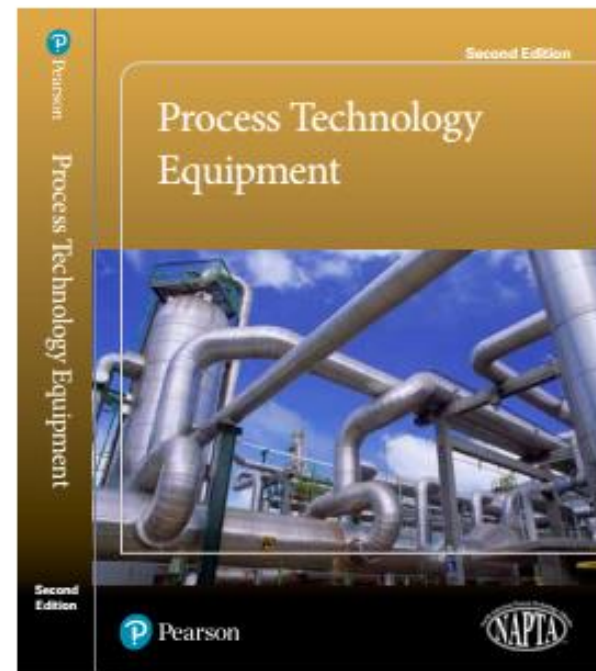
June 22, 2018
K.Trakalo



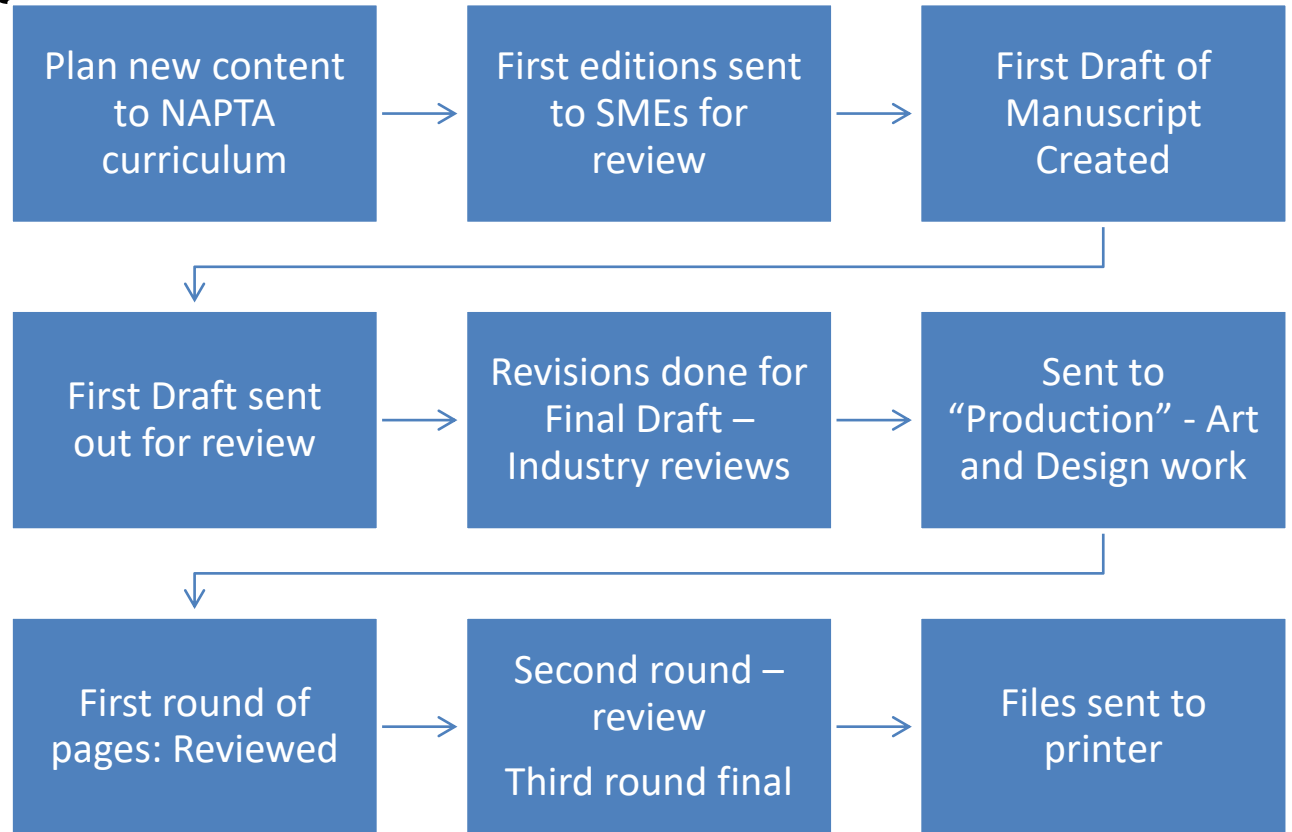
PUBLISHED – Oct 20, 2017



**IN FINAL REVIEW
Anticipate ~ Aug 20**



Reminder of the Process



Status and Timeline



- TOC in progress (19 vs 24 chap)
- 2 chapter drafts in, 3 in process, 14 to assign
- Academic/Industry reviews Aug – Oct
- Target in stock March 2019



- 24 Chaps
- 6 chapter drafts in, 5 in process, 13 to assign
- Academic/Industry reviews July –Sept
- Target In stock Feb 2019

What's New in Intro 2e?

- **New!** Full color Design
- **All New!** Comprehensive Art Program including new visuals of process flow; quality control, logic flow and equipment process
- **All New! Alignment** of chapter objectives to new NAPTA curriculum!
- **New!** Key term definitions at beginning of each chapter
- **Updated!** Checking Your Knowledge questions to chapter objectives and new Answers Appendix
- **Thoroughly Updated Content!** Growth and Development of Industry into the 2010's; appropriate new legislation; new data sets (like cost to create new drugs for Pharmaceutical)
- **New!** Emphasis on **Safety** throughout text and inclusion of industry events that led to new safety legislation.
- **Expanded content** on current methods of oil and gas extraction (fracking); process auxiliary systems, and process service utilities
- **All New** Instructor Resource Package!

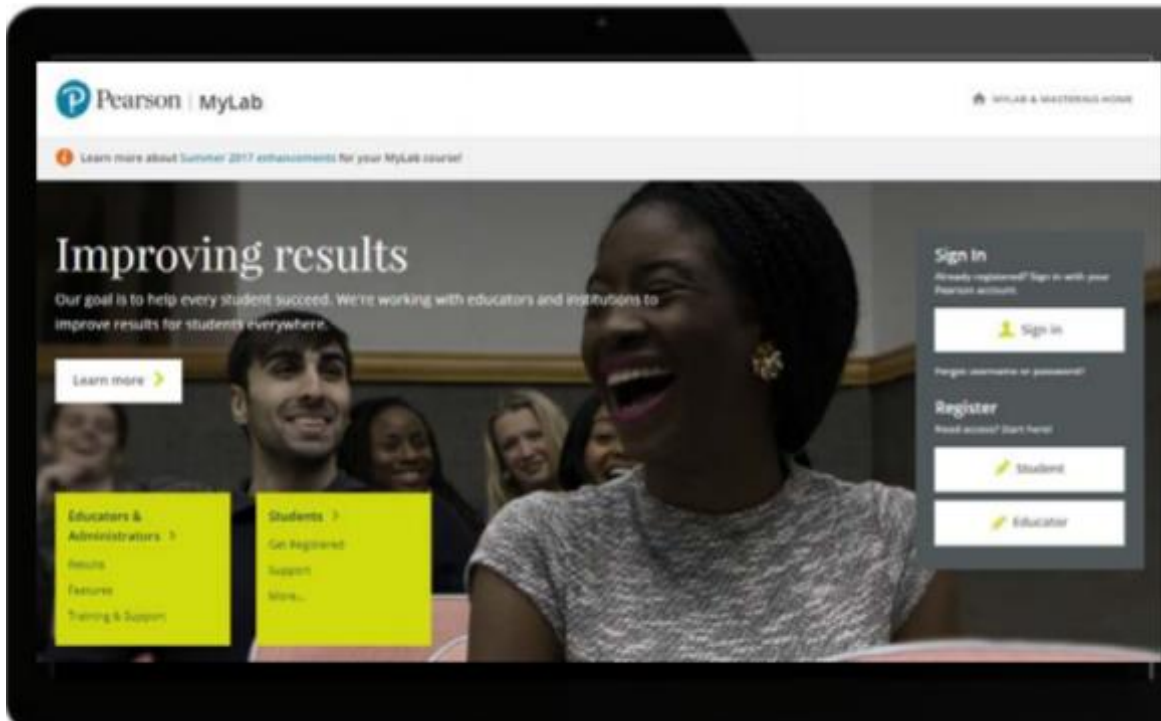
What's New in Equipment 2e?

- **New!** Full color Design
- **All New!** Comprehensive Art Program including more than 450 fully revised drawings and photos
- **All New! Alignment** of chapter objectives to new NAPTA curriculum!
- **New!** Key term definitions at beginning of each chapter
- **Updated!** Checking Your Knowledge questions to chapter objectives and new Answers Appendix
- **All New** Instructor Resource Package!
- **Thoroughly Updated Content!** Formulas for use with different processes, federal regulations, standards, materials of construction, sizing, and testing.
- **New!** Emphasis on **Safety** throughout text and information on lockout-tagout procedures, piston compressors, reactive and impulse turbines; bearings, seals, and gaskets, cold box and air cooled heat exchangers and more!
- **Expanded content** on PT's role, piping and associated components and reference tables for use in the field

Instructor Materials

Instructor resource	Description
Lesson Plans	<p>For each chapter:</p> <ul style="list-style-type: none"> • Suggested teaching time to reach objectives • Any particular prep needed • Suggested classroom and lab activities • Set of unique MC review questions similar to but unique from EOC chapters
PPT slides	Chapter by chapter and associated with lessons in lesson plans
Review questions	End of lessons (and/or chapter) review questions -
Test bank	3-5 multiple choice questions per chapter objective. Include correct answer and rationales for all answers. Tagged to learning objective.
MyLab	<p>Student assignments</p> <p>Includes all instructor resources</p> <p>Online testing capability</p>

Introduction to Process Technology - MyLab



Includes:

- Interactive Key Term review
- Chapter Review Quiz questions
- Equipment and Process Review (interactive)
- Short Answer Questions
- Student eText 2.0

Next 2 titles

Process Operations

Process Quality

Planning starting Q3 2018

Initial reviews Q4 2018

Schedule set Q1 2019

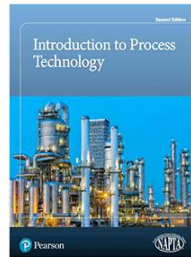
Marketing

- Marketing flyers: What's New; MyLab; Instructor Resources
- Intro to PT e-blasts sent last fall and this spring
- Mid-Aug: Early pre-messaging email campaign to announce Equipment
- Early Sept – Samples sent out
- End Sept: Skills Instructor Conference
- Do we have your info? Join our mailing list if you haven't received marketing information
- Work with NAPTA - Special messaging to endorsed schools/associated schools
- See NAPTA website for info banner
- Other events planned at your school? Let us know!

NAPTA/Pearson “Project PTEC”

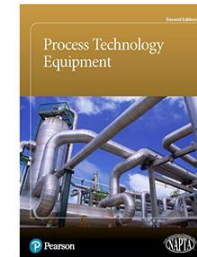


Process technology curriculum publication timeline



Now available

*Introduction to
Process Technology, 2e*
ISBN 013480824X



August 2018

*Process Technology
Equipment, 2e*
ISBN 0134891260



2019 Coming Releases

- *Safety, Health, and Environment*
- *Process Systems*
- *Instrumentation*
- *Process Quality*

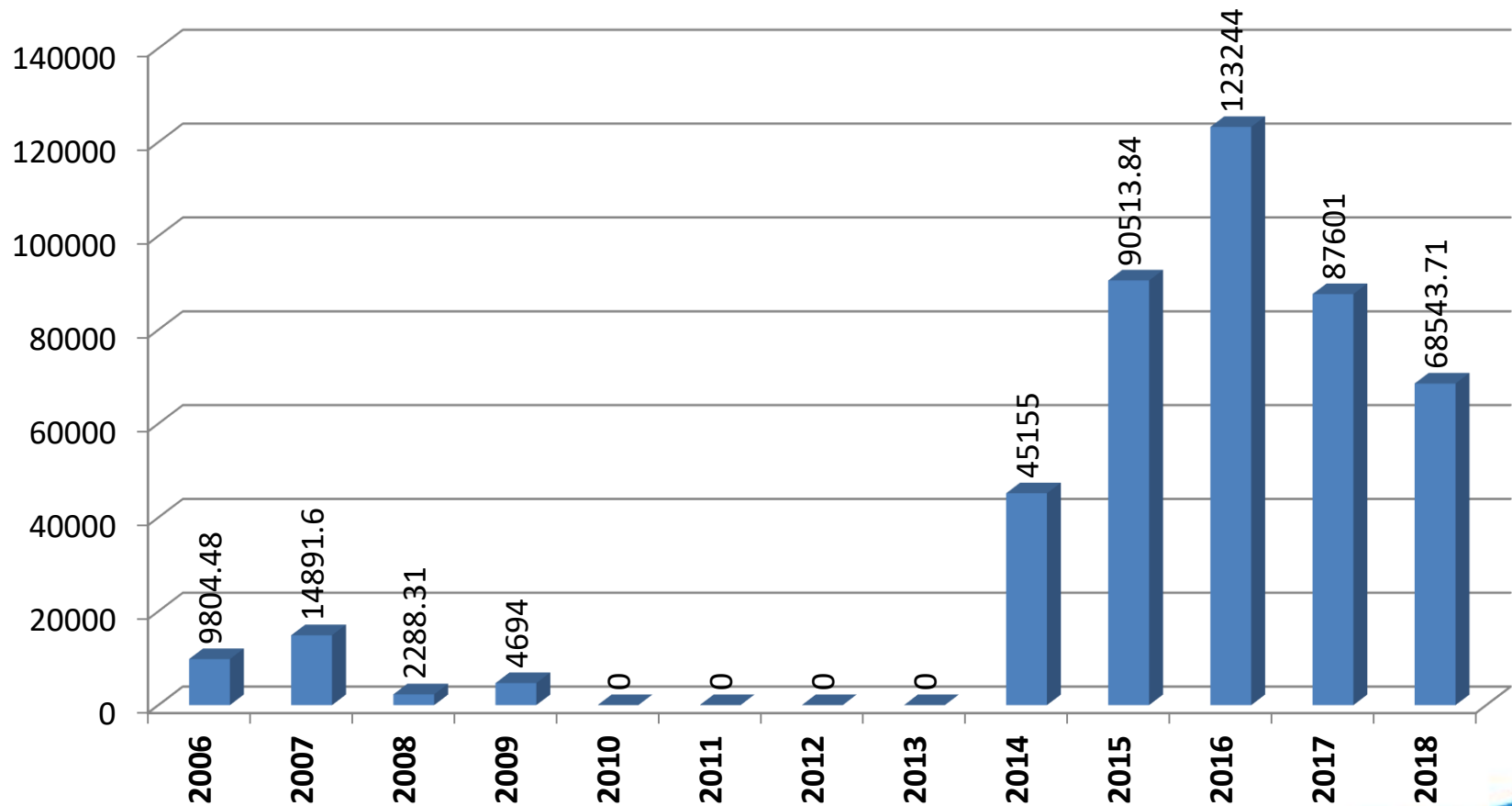
[request a sample](#)



Questions?

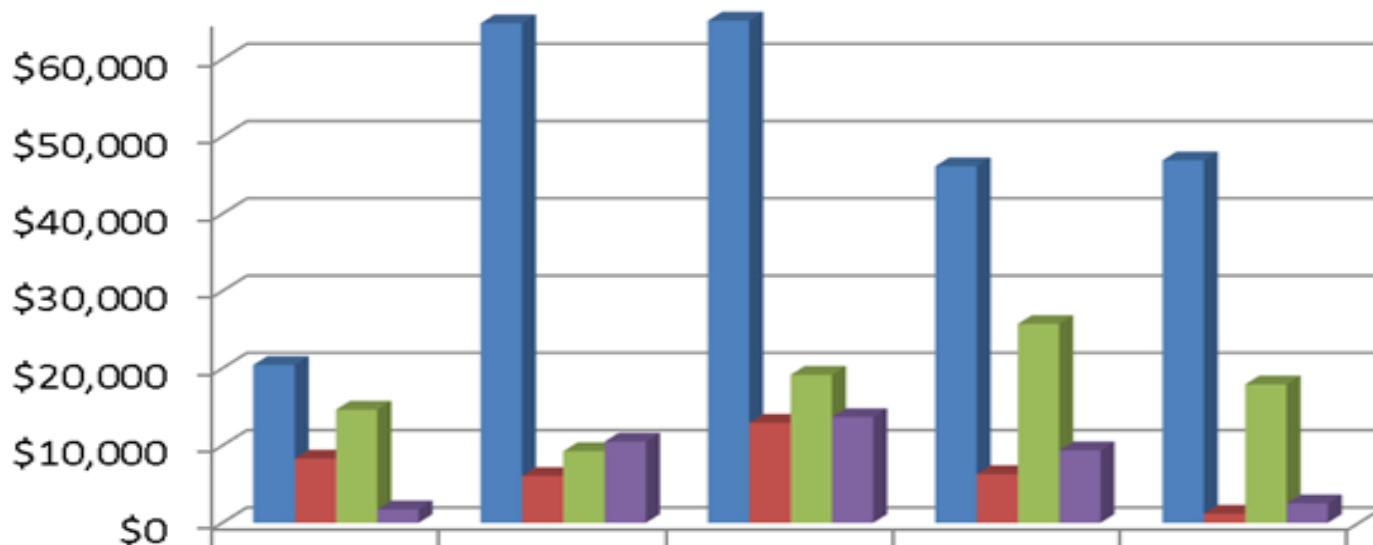
Treasurer's Report – 2018 Financial Update

Learning Resource Income



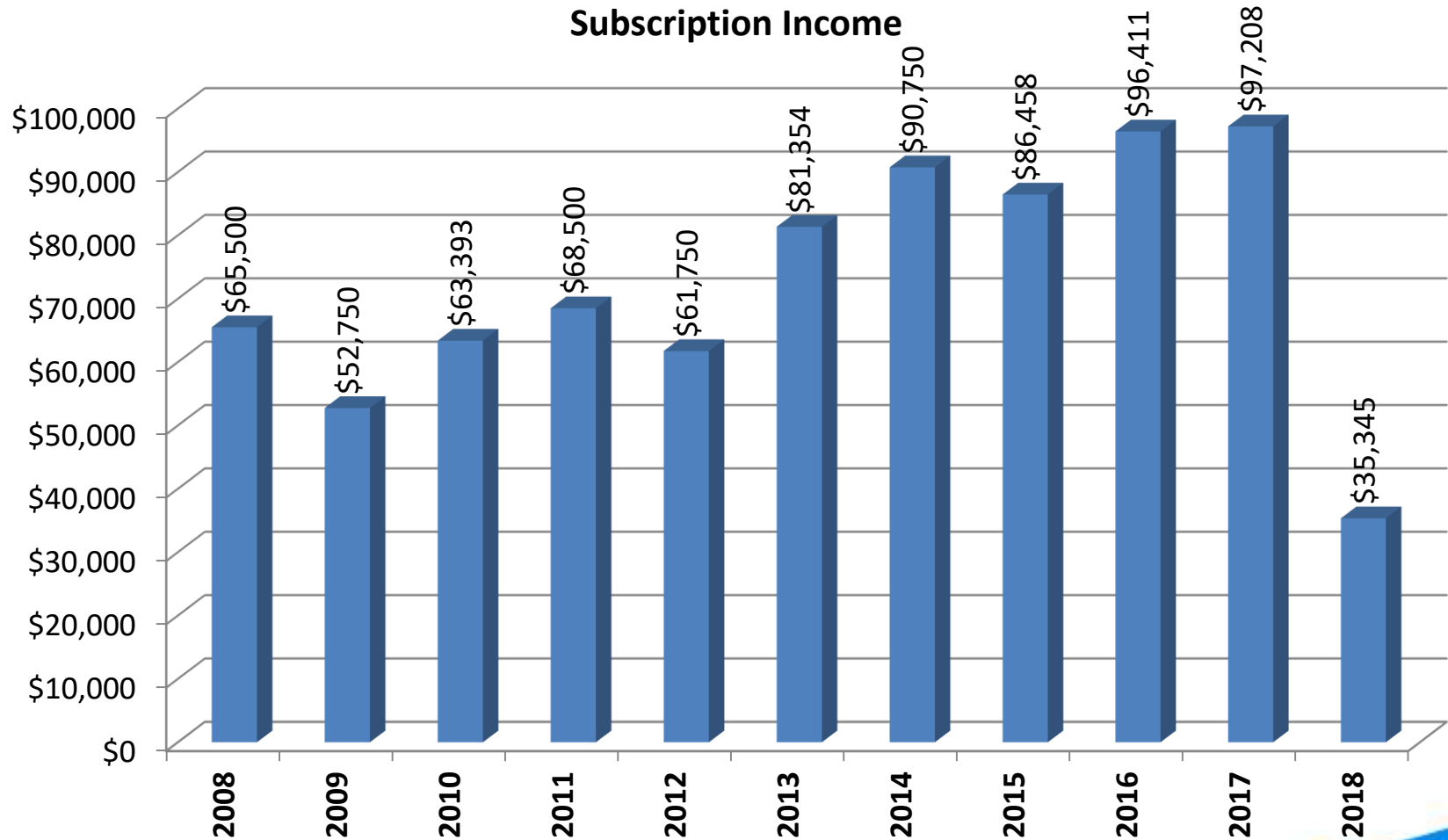
Treasurer's Report – 2018 Financial Update

Curriculum Income Breakout

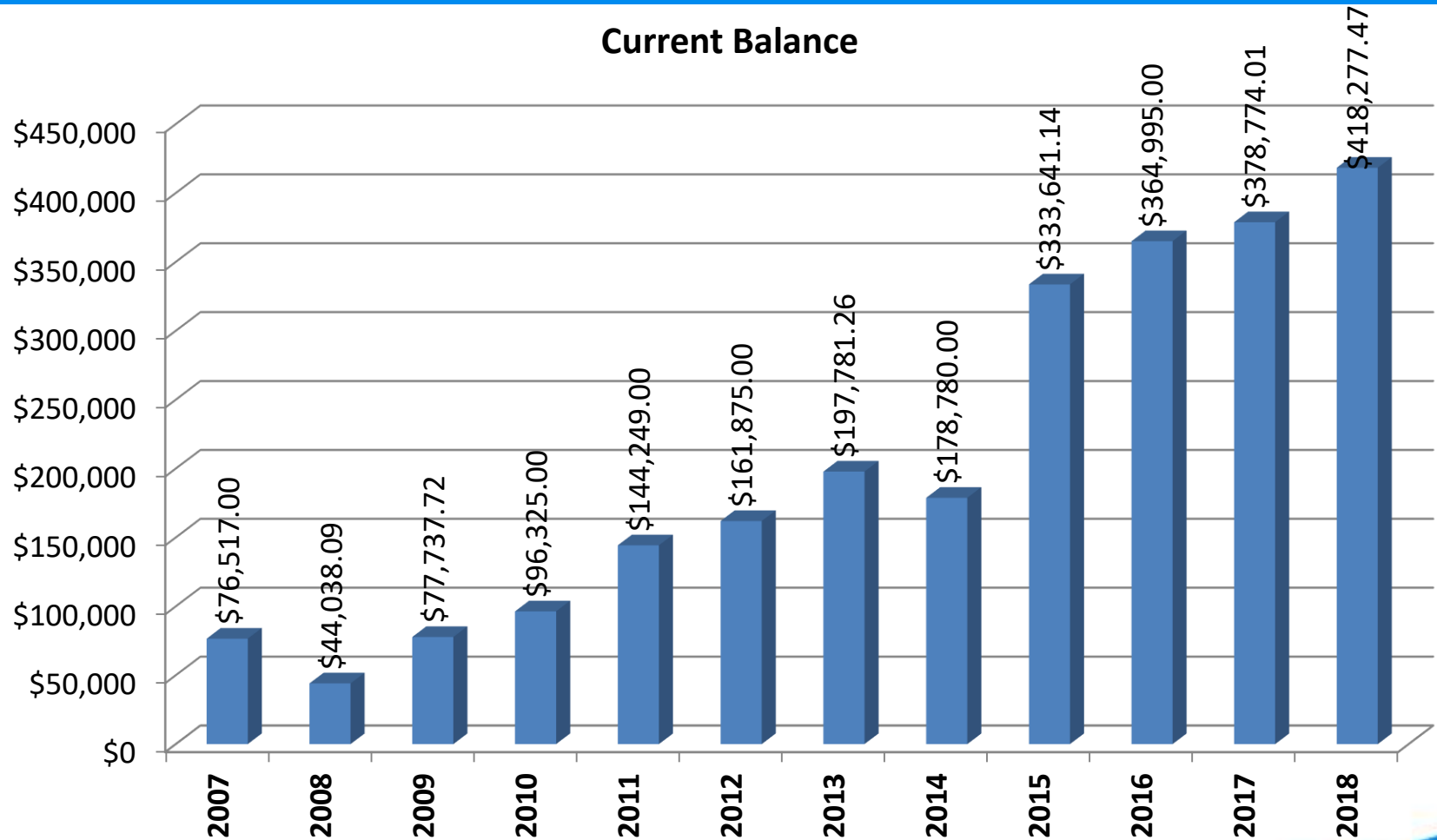


	2014	2015	2016	2017	2018
■ Pearson (Text Books)	\$20,440	\$64,647	\$77,444	\$46,158	\$46,918
■ Student Workbooks	\$8,325	\$6,076	\$12,945	\$6,313	\$1,185
■ PTEX Exam	\$14,650	\$9,270	\$19,158	\$25,750	\$17,921
■ WBT Orders	\$1,740	\$10,521	\$13,697	\$9,380	\$2,520

Treasurer's Report – 2018 Financial Update

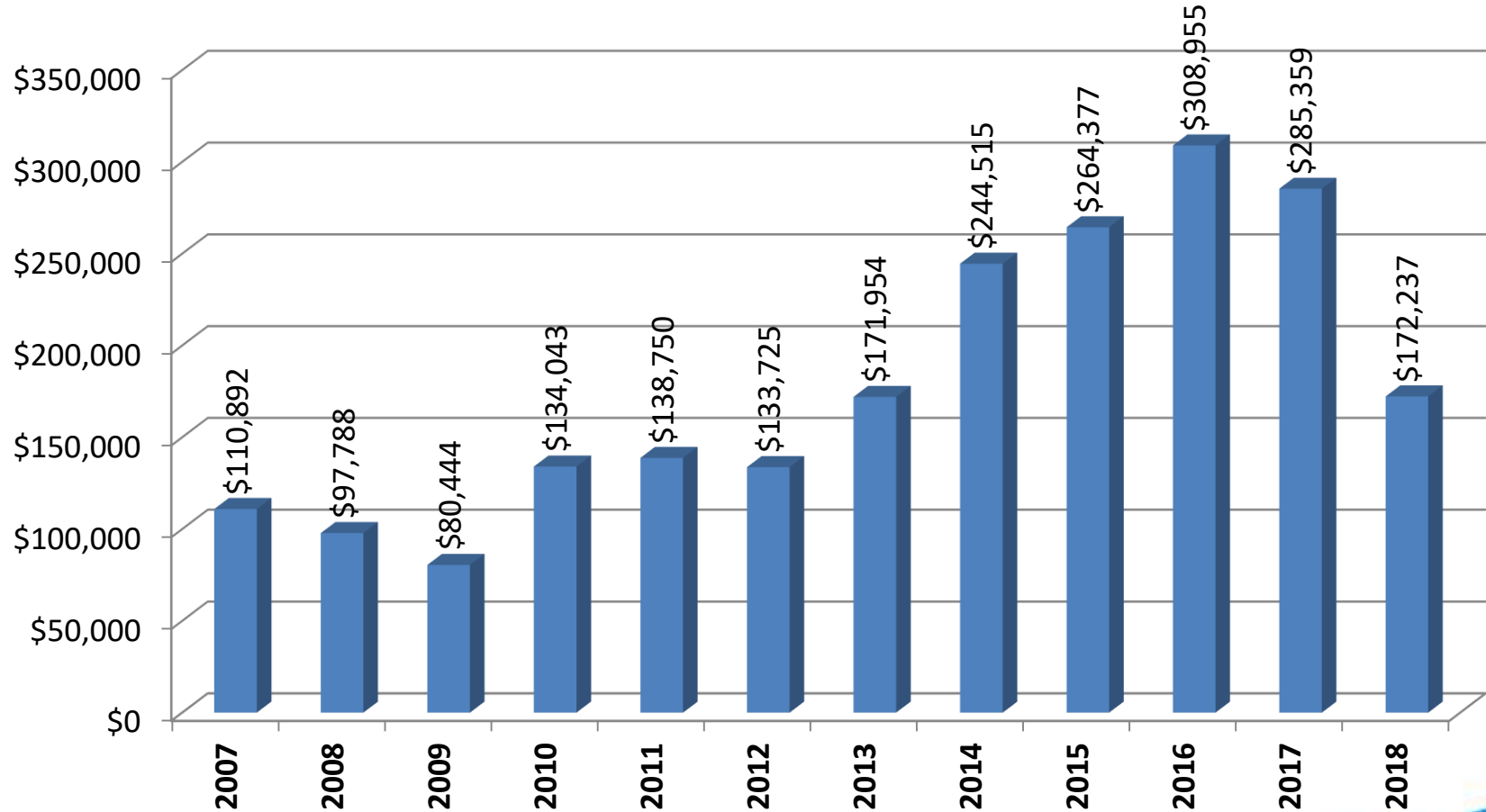


Treasurer's Report – 2018 Financial Update



Treasurer's Report – 2018 Financial Update

Total Income



Treasurer's Report - Mid-Year Financial Status

- Current bank balance (May 31) \$418,277.47
 - Same for this time last year \$388,299.94
- Curriculum earnings to date (all learning resources) \$68,543.71
 - Same time last year \$63,021.18

“NEW” Members

Steve Backman – NAPTA Secretary

- Presentation of new members
 - Community College of Allegheny
 - Humble ISD Career & Technical Education Center
 - GSE Systems Inc.

NAPTA Troubleshooting Skills Competition

Presented By
North American Process Technology Alliance

2018 TSC Champions – San Jacinto College



2018 Competition Growth

- Largest number of registered teams to date – 38 from 16 colleges
- Seven new [first time] participant colleges
- 2 all-female teams registered this year
- 15% female team members of registered teams
- Four female team members in the Finals Competition
- Number of teams increased to 10 for the Finals Competition

TSC II Competitor Feedback

- I think that this experience better prepares me for a position in industry because...
- *I not only learned a great deal about troubleshooting but a lot of PTEC knowledge as well.*
- *It has challenged me to become a better troubleshooter and gave me a chance to gather knowledge.*
- *I got to meet different people from all places in the process industry and got great advice from them. The exercises also gave a great example of how it really is in the field.*
- *This was a more realistic application of troubleshooting than simply using a simulator in a casual environment.*
- *Any positive experience regarding my new career is a good one. I welcome any learning experience.*

2018 Competition Report

TSC Attendance (Teams, Judges, Staff, other)	71
Grants and Sponsors	\$ 40,100.00
Meals	2,070.00
Hotel Expenses	3,500.00
Administrative costs	17,505.00
Award Ceremony	1,040.00
Participants materials (Shirts/Backpacks,etc)	2,275.00
Event Supplies (Radios, office supplies, poster, etc)	1,050.00
Travel (Staff/Judges)	3,000.00
Miscellaneous	415.00
Total Costs	\$ 30,855.00
Over/Under	\$ 9,245.00
Food Cost/Person	\$ 30.00



***2018 NAPTA Troubleshooting Skills Competition
Finalist Teams & Support Staff***

2018 Competition Outcomes

- NAPTA will form a standing committee to oversee the TSC
- Discussion is in play to evolve to a two-day event
- Potential new model for 2019:
 - Qualifying round held on campus as before
 - Semifinal round held on Friday
 - Final round held on Saturday as before
 - Increase team headcount to 4 or invite alternate to Semifinal and final rounds

TSC III Registration Information

Registration Window

November 1, 2018 – February 28, 2019

Late Registration Deadline

March 8, 2019

Information & Forms

<http://naptaonline.org/tsc/index.php>

Competition Dates

Qualifying Round – February 20 through March 27, 2019

NAPTA Finals Competition – April 26 & 27, 2019

Held on the campus of

River Parishes Community College

Gonzales, Louisiana

Troubleshooting Learning Materials

- Materials designed as both paper and simulator based
- Exercises used in the classroom to help with teaching a troubleshooting methodology
- Found at this link

<https://www.dropbox.com/sh/cihe1n1ahgjlqvq/AABleUma5AlwtrmZioiiGFBDa?dl=0>

More Information

Contact Martha McKinley

troubleshooting@naptaonline.org

903.452.8511

LCA-PTEC Curriculum

Statewide Standardization

LCTCS PTEC Workgroup

- Utilized Louisiana Chemical Association (LCA) PTEC Curriculum Committee members
- LCTCS and BoR, get AAS degree to 60 credit hours
- Year-long effort of multiple Colleges
 - Many iterations little consistency
- Working with Business Advisory Committees
 - More defined hands-on credit hours
- Established the Technical Diploma (TD) standardized exit point
- Approval from LCA, NAPTA, Board of Supervisors, Board of Regents

COURSE NAME	Lecture		Laboratory		Work-Based Activities		Course Totals	
	Clock Hours	Credit Hours	Clock Hours	Credit Hours	Clock Hours	Credit Hours	Clock	Credit
Approved Computer Science	45	3					45	3
Approved Humanity	45	3					45	3
PTEC 1010 Introduction to Process Technology	45	3					45	3
PTEC 1330 Process Instrumentation	30	2					30	2
PTEC 1331 Process Instrumentation Lab			60	2			60	2
PTEC 1630 Process Equipment	30	2					30	2
PTEC 1631 Process Equipment Lab			60	2			60	2
PTEC 2030 Plant Safety, Health and Environmental	45	3					45	3
Approved Natural Science	45	3					45	3
Approved Natural Science Lab			30	1			30	1
PTEC 2070 Statistical Quality Control	45	3					45	3
PTEC 2420 Process Systems	45	3					45	3
PTEC 2421 Process Systems Lab			30	1			30	1
PTEC 2440 Process Troubleshooting	30	2	30	1			60	3
PTEC 2630 Fluid Mechanics	45	3					45	3
PTEC 2430 Unit Operations	30	2					30	2
PTEC 2431 Unit Operations Lab			60	2			60	2
PTEC 2911 or 2912 Campus Internship or Independent Internship					135	3	135	3
ENGL 1010 English Composition I	45	3					45	3
Approved History	45	3					45	3
CHEM 1010 General Chemistry	45	3					45	3
CHEM 1011 Chemistry Lab			30	1			30	1
Approved Behavioral Science	45	3					45	3
MATH 1100 College Algebra	45	3					45	3
TOTAL ALL COLUMNS	705	47	300	10	135	3	1140	60

COURSE NAME	COURSE PREFIX	COURSE NUMBER	CREDIT HOURS
FIRST SEMESTER			
Intro to Computer Technology*-**.***	CSCI	1010	3
College Algebra **.***	MATH	1100	3
Intro to Process Technology*.-**.***	PTEC	1010	3
Plant Safety, Health and Environment*.-**.***	PTEC	2030	3
English Composition 1**	ENGL	1010	3
SEMESTER CREDIT HOURS			15
SECOND SEMESTER			
Process Instrumentation*.-**.***	PTEC	1330	2
Process Instrumentation Lab*.-**.***	PTEC	1331	2
Physical Science or Physics*.-***	PHSC or PHYS	1010 or 2010	3
Physical Science or Physics Lab*.-***	PHSC or PHYS	1010L or 2010L	1
Plant Equipment*.-**.***	PTEC	1630	2
Plant Equipment Lab*.-**.***	PTEC	1631	2
Business and Professional Communication	ENGL or BUSN	2300	3
SEMESTER CREDIT HOURS			15
THIRD SEMESTER			
Statistical Quality Control*.-***	PTEC	2070	3
Process Systems***	PTEC	2420	3
Process Systems Lab***	PTEC	2421	1
Fluid Mechanics***	PTEC	2630	3
Chemistry*.-***	CHEM	1010	3
Chemistry Lab*.-***	CHEM	1010L	1
Techniques of Speech*	SPCH	1200	3
SEMESTER CREDIT HOURS			17
Fourth SEMESTER			
Economics (Micro or Macro)**	ECON	2010 or 2020	3
Troubleshooting***	PTEC	2440	3
Unit Operations ***	PTEC	2430	2
Unit Operations Lab***	PTEC	2431	2
Internship (Campus/Independent)***	PTEC	2911/2912	3
SEMESTER CREDIT HOURS			13
* CTS – Process Technology Support Tech.			20
** CAS – Process Technology			37
*** TD – Process Technology			45
AAS – Process Technology			60

Thank You

John L Sluder
225-743-8653
jsluder@rpcc.edu

Visions Workshop Updates

- **Curriculum**
 - Martha McKinley (interim)
 - VACANT
- **Events**
 - Curtis Briggs– Ineos Olefins & Polymers USA
 - John Wilson – TDS
- **Outreach**
 - Ron Gamble – Remington College-Webster
 - VACANT
- **Endorsement**
 - Dorothy Ortego – Sasol US
 - Linda LaCoe – Lone Star College



Endorsement Audit

Audit Prep: Best Practices

Endorsement Committee

VISION – Every endorsed member college is providing the core NAPTA process technology courses that meet or exceed the standards adopted by the NAPTA as evidenced by audits prescribed by the NAPTA

MISSION – This committee will conduct audits to evaluate process technology programs that seek endorsement as well as existing endorsed programs to ensure compliance with established NAPTA standards.



Audit Request and Scheduling

- Email NAPTA the following:
- Audit Tool with shaded areas completed
 - Current roster of Advisory Committee with contact information (email and phone number)
 - Audit visit preference (semester, dates, day of week, time, etc.)
 - Contact info for college official responsible for agreeing to audit date
 - Requested audit semester class schedule for PTEC courses



Audit Tool

➤ Found at <http://www.naptaonline.org/college-endorsement-requirements> (Link at bottom of page – Audit Tool)

North American Process Technology Alliance Program: PTEC

Program Audit Tool Revised 5-11-18

Objective: Assess the educational institution's compliance with the requirements and guidelines of the PTEC AAS Degree Program. The components will be measured against the requirements and guidelines set by the North American Process Technology Alliance (NAPTA).

Instructions on Usage: - The shaded sections of this tool are to be prefilled out by the school requesting an audit.

Institution Name:		Date:	
School contact for letters from NAPTA			
Contact's mailing address:			
Contact's email:			
Auditors:	Name:	Name:	
	Name:	Name:	
	Name:	Name:	
	Name:	Name:	
1. Regional Advisory Committee			
Name of chair of committee:		Email Contact:	
Name of co-chair of committee:		Email Contact:	
Advisory Committee in place & functioning		Yes	No
Charter/By Laws in place for Advisory Committee		Yes	No
Meeting dates over the past twelve months			
Advisory Committee meeting minutes available (one year's for initial endorsement three year's for re-endorsement)		Yes	No
Year 1 - 3 meetings reviewed	Yes	No	Year 2 - 3 meetings reviewed
	Yes	No	Year 3 - 3 meetings reviewed
	Yes	No	Yes
For re-endorsements, NAPTA audit findings of previous audit review: Yes No			
Changes documented in resolution of audit findings verified Yes No			
Positives *			
Opportunities for Improvement *			
2. Educational Institution Management			
School / Program Accreditation in place		Yes	No
Who are Accredited with			

Preparation for Audit

- Prepare the following information in binders/folders for the audit for each section of the Audit Tool:
 1. Advisory Committee meeting minutes from all meeting since last audit
 5. 8 core NAPTA courses' material (in separate binders/folders)
 - *Syllabus*
 - *Students graded tests – slide 6*
 - *Examples of PTEC Cross-disciplinary skills – slide 7*
 10. Optional: Hands-on Skills Assessments



8 Core NAPTA Courses

➤ Sampling of tests from the eight core NAPTA courses

There should be a minimum of three graded student exams for EACH test administered in each of the Core Courses since the last audit – Answer Keys need to be included.

- Intro to Process Technology
- Process Equipment
- Process Instrumentation
- Process Quality
- Process Operations
- Safety, Health, and Environment
- Process Troubleshooting



PTEC Cross-Disciplinary Skills

Building PTEC cross-disciplinary skills listed below throughout the curriculum (indicate where in your program you do this) You will be asked to have examples of activities performed in your program for the auditor to review at the audit.

Teamwork

Work Ethic

Communication Skills

Presentation Skills

Data Gathering/Analysis

Problem Solving

Technical Reading/Writing

Computer Skills

Equipment/flows sketching

Troubleshooting

Preventative Maintenance Planning

Safety Consciousness

Pre-Audit Day

- Reserve a room for audit team to work without any interruptions
- Reserve a room for Student and Industry interviews
- Explain to instructors and students that the audit will be conducted and audit team members will be selecting students randomly to conduct the required student interviews
- Reach out to industry members that have hired program graduates to schedule an interview with the audit team
 - *Schedule no earlier than one hour after start of audit*



Audit Day

- Provide copy of previous Audit Letter (if applicable)
- Provide Student Roster for ongoing classes for student interviews
- Provide names of Industry members and scheduled interview times
- Provide an overview of the college program
- Discuss emphasis items from previous audit report (if applicable)
- Give a tour of the facility to audit team



NAPTA ISC IX

September 25-27, 2018

South Shore Resort and Conference Center

League City, TX

➤ Learning Session

- Auditing Your PTEC Program – NAPTA Endorsement

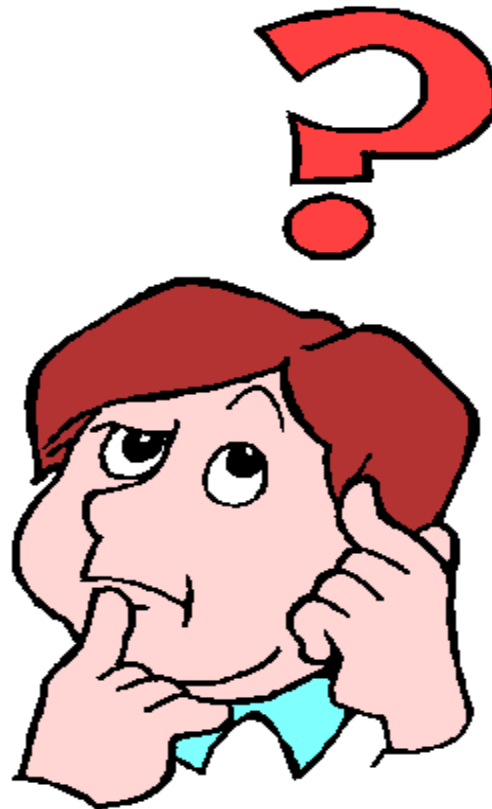


Endorsement Committee

- In need of auditors across the U.S.
- Meet via WebEx on the 2nd Friday each month from 8:30 am – 10:30 am
- Please contact Susan Davis, Dorothy Ortego, or Linda LaCoe if you would like to join the NAPTA Endorsement Committee



Questions?



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NAPTA Website Spotlight

Summer General Meeting
June 22 2018
South Shore Harbour
League City, TX

BREAKING NEWS from NAPTA!!!



PTEX-CR Revalidation 2018

- Item Review conducted
02/12-13/2018
 - Items reviewed for relevance and cross-walked to NAPTA learning objectives
 - A/B versions combined into one exam
- New Exam replaced previous versions
06/01/2018
- New Learning Objectives developed to support PTEX-CR inclusion in NAPTA Endorsement
(pending final review/approval)

What's a PTEC Grad?

- What are your company's expectations?
- How much “post-hire” BASIC OPERATOR TRAINING will they receive?
- How much “advanced” operator training will they receive?
- When (how soon) will they be training/working as a “Control Operator”?
- Other Questions?

New Business

- **Anything Else to Offer?**
- **Any Questions?**
- **Any Upcoming Events?**
 - For inclusion on the NAPTA calendar
 - That NAPTA should attend

Safe Travel and See ya' Soon!

