

SAN JUAN COLLEGE

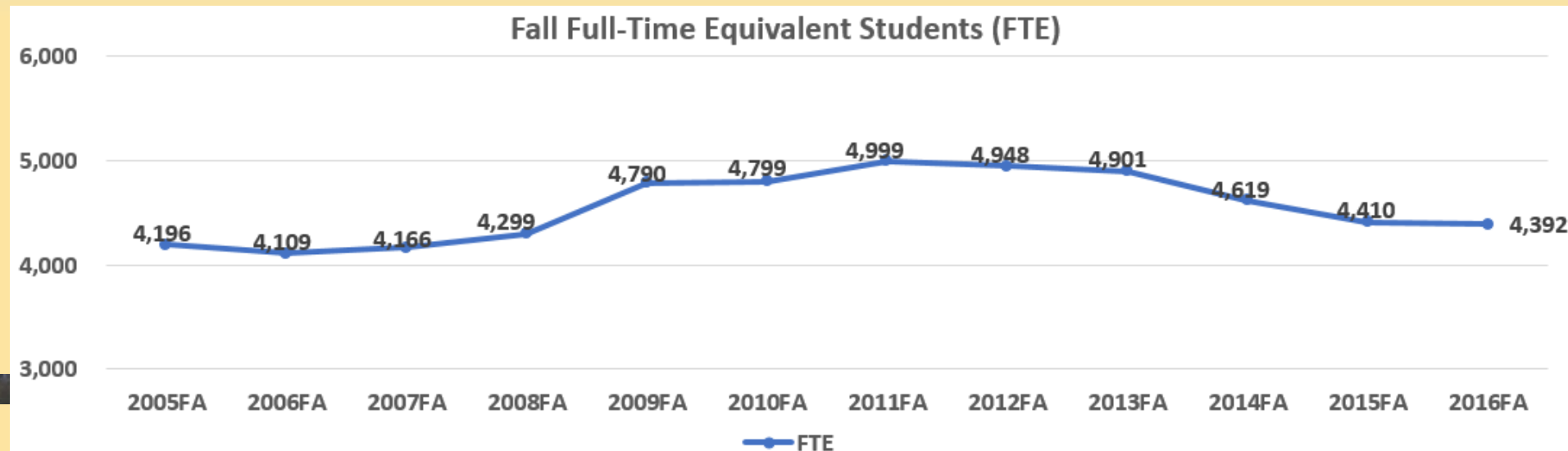
# Legislative Finance Committee July 20, 2017

Dr. Toni Hopper Pendergrass



# About San Juan College

- Annual student count: 11,641
- Average student age: 32
- 51% minority students, 71% part-time students
- 2,114 dual-credit students
- 80 San Juan College High School students
- Over 400 Honors Program students



## Four Strategic Directions

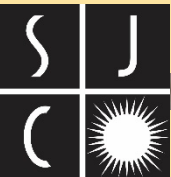
- ❖ Agile and responsive business model focused on student learning, completion and employment
- ❖ National expansion of signature programs to strengthen college sustainability and provide regional economic development
- ❖ Deliver an internationally accessible energy resources curriculum
- ❖ Grow and sustain health science programs



# Workforce and Economic Development



- Expanded workforce education
  - 6 new business and information technology academies
- New Director of Workforce Development
- Quality Center for Business
  - Enterprise Center
  - Small Business Development Center
  - Four Corners Innovation
  - In-House Partners:
    - Four Corners Economic Development
    - WESST
    - Manufacturing Extension Partnership



- Recipient of \$1.4 million EDA Partnerships for Opportunity and Workforce and Economic Revitalization (POWER) grant
  - IBM Internship Program
- Development of Four Corners Regional Economic Consortium
  - Data dashboard
  - Regional Economic Summit



IBM Internship Program



- Program Review and Return on Investment Metrics
  - Economic Modeling Specialists Inc.
- New program development and exploration:
  - Cybersecurity- NSA
  - Tribal Energy Management
  - Four healthcare certificates
  - Manufacturing
    - Maker Space with Drexel University and EPA
  - Aviation



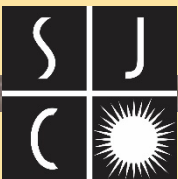
# Business and Industry Partnerships





# Partnerships in Higher Education

- New Mexico Highlands University
  - Signed 18 guaranteed admission agreements
  - Reciprocal tuition waiver for employees
  - Developed an MOU for student support services
- New Mexico State University
  - Scholarships for SJC Honors graduates
- New Mexico Tech
  - Guaranteed admission agreements in engineering and computer science



# Partnering with Industry and the Community

- 50 Advisory Committees
- School of Health Sciences
  - San Juan Regional Medical Center
  - Medical Lab Technician/CNM and Surgical Technician/NMSU-Alamogordo
  - Physical Therapy Assistant
- School of Trades and Technology
  - Automotive Technology: Toyota, GM, Chrysler, Honda
  - PESCO
  - Veterinary Technician



- School of Energy

- New facility was built through partnerships
- BP America: On-Shore Trainer of Choice for Lower 48
- Internships







# BP/SJC Foundational Technical Training Program

natural gas & oil production training program  
designed by the field....  
for the field

# In the beginning....2005



## BP challenges:

- Demographics of current workforce
- Limited feeder pool of skilled candidates in BP-operated basins
- Foundational knowledge gaps of experienced technicians
- Increased activity level in many assets



# Partnership: BP & SJC



## Partnership between BP & SJC SOE

- Curriculum: Surface components and processes from the wellhead to the sales meter
- Target audience: field technicians, ops specialists, & challenger engineers
- Objective: grow the number of multi-skilled technicians **resulting in the delivery of safe, reliable, and efficient operations**
- Responsive and agile delivery model





# Learning offerings

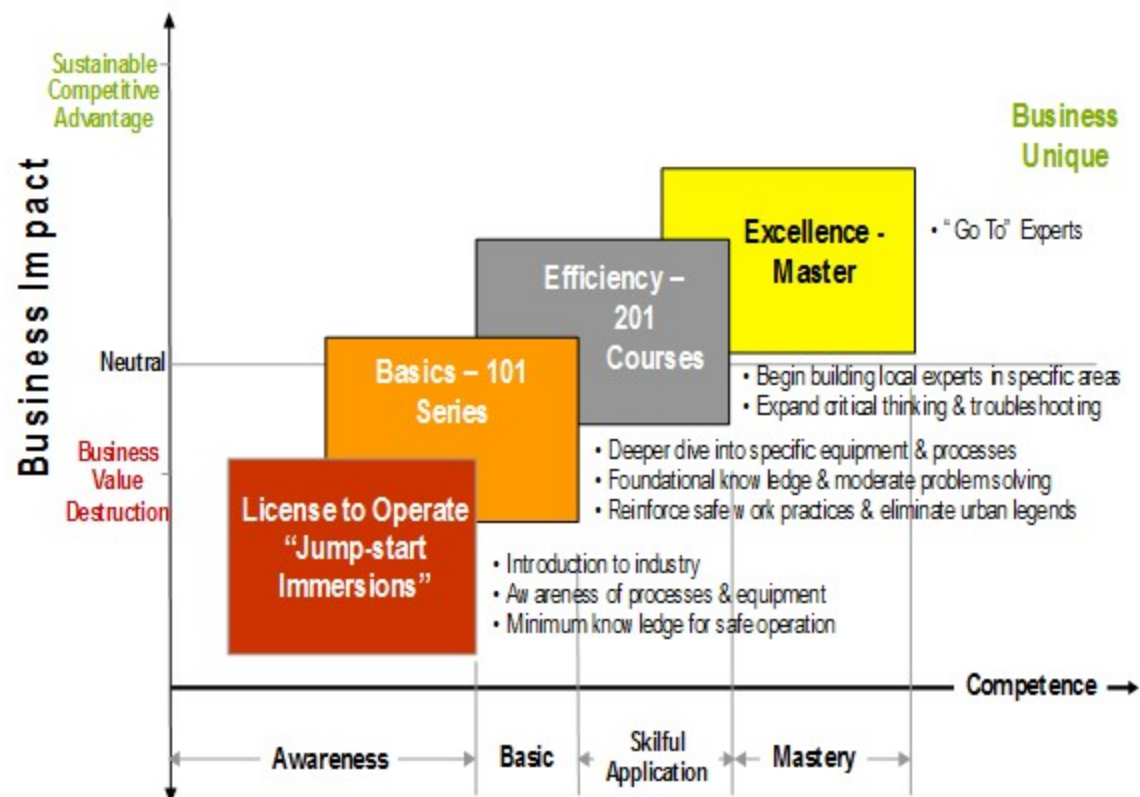


## FTP offerings

- Jump-Start Immersion
- Foundational 101 modules
- Intermediate 201 modules

## Additional courses

- Safety training
- Customized training for ops specific issues



# Overview: Field Jump-start Immersion

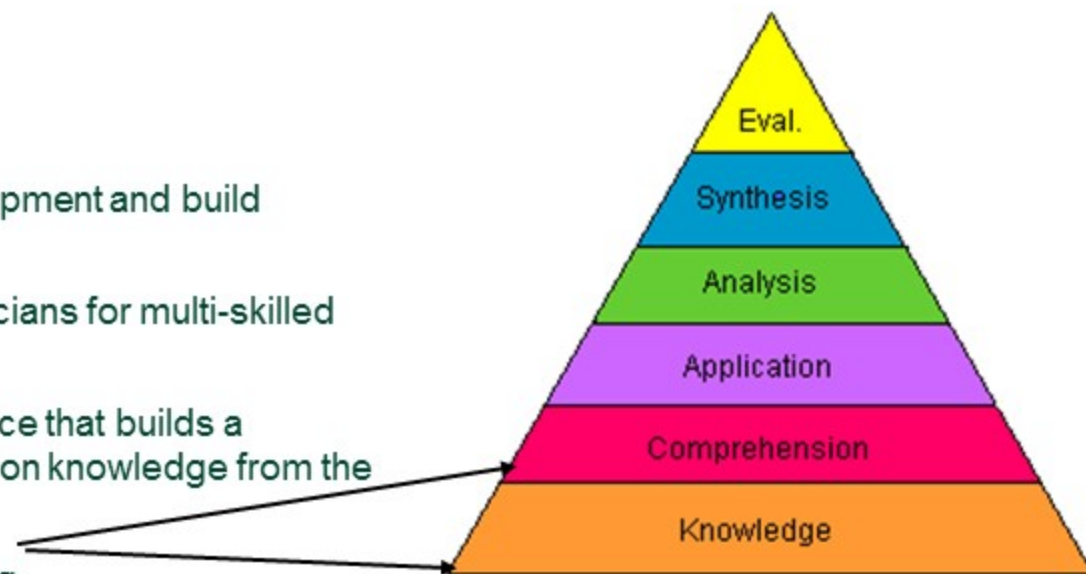


- **Details:**

- 5-7 day learning experience delivered in Farmington, NM
- Designed for newly-hired field technicians and field technicians moving to dual or multi-skilled positions

- **Goals:**

- Accelerate field technician's development and build competency prior to deployment
- Prepare existing specialized technicians for multi-skilled positions
- Offer an effective learning experience that builds a common foundation of gas production knowledge from the reservoir to the sales point
- Provide introductory level of learning
- Address OMS People and Competence Sub-Elements
  - **2.2.3.3:** Define training and development requirements for competency and proficiency for identified role
  - **2.2.5:** Take appropriate action to close competency gaps (e. g. training, development, recruitment)



# Covenants



- Quality training contributes to the delivery of safe efficient operations
- Includes principles behind procedures; understanding how/why things work the way they do
- No person will ever have to 'unlearn' what is taught
- What happens before and after training is as important as what happens during training

## Technician Development



### Influence on knowledge/skill retention breakdown





## Statistics as of June 2015



~**3431** people from every L48 OC participated in the Foundational Training 101 and 201 modules

~**211** people participated in Jump-start Immersion Program

~**62** people participated in Gas Production for Professionals Program

**TOTAL: ~38,495 hours in technical training**

# Accountability

*How do we measure success?*

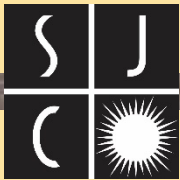




- Accreditation affirmed through 2022
- Selected for AACCC Pathways 2.0
- 2014, 2015, 2016 Government Finance Officers Association (GFOA) Excellence in Financial Reporting Award
- Maintained Moody's AA2 and Standard and Poor's A+ Rating
- Increased Dual Credit enrollment 86% over 5 years
- Tremendous community support

1<sup>st</sup> in nation for issuing certificates to Native American students

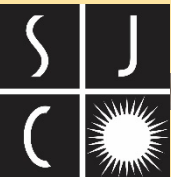
2<sup>nd</sup> in nation for granting associates degrees to Native American students



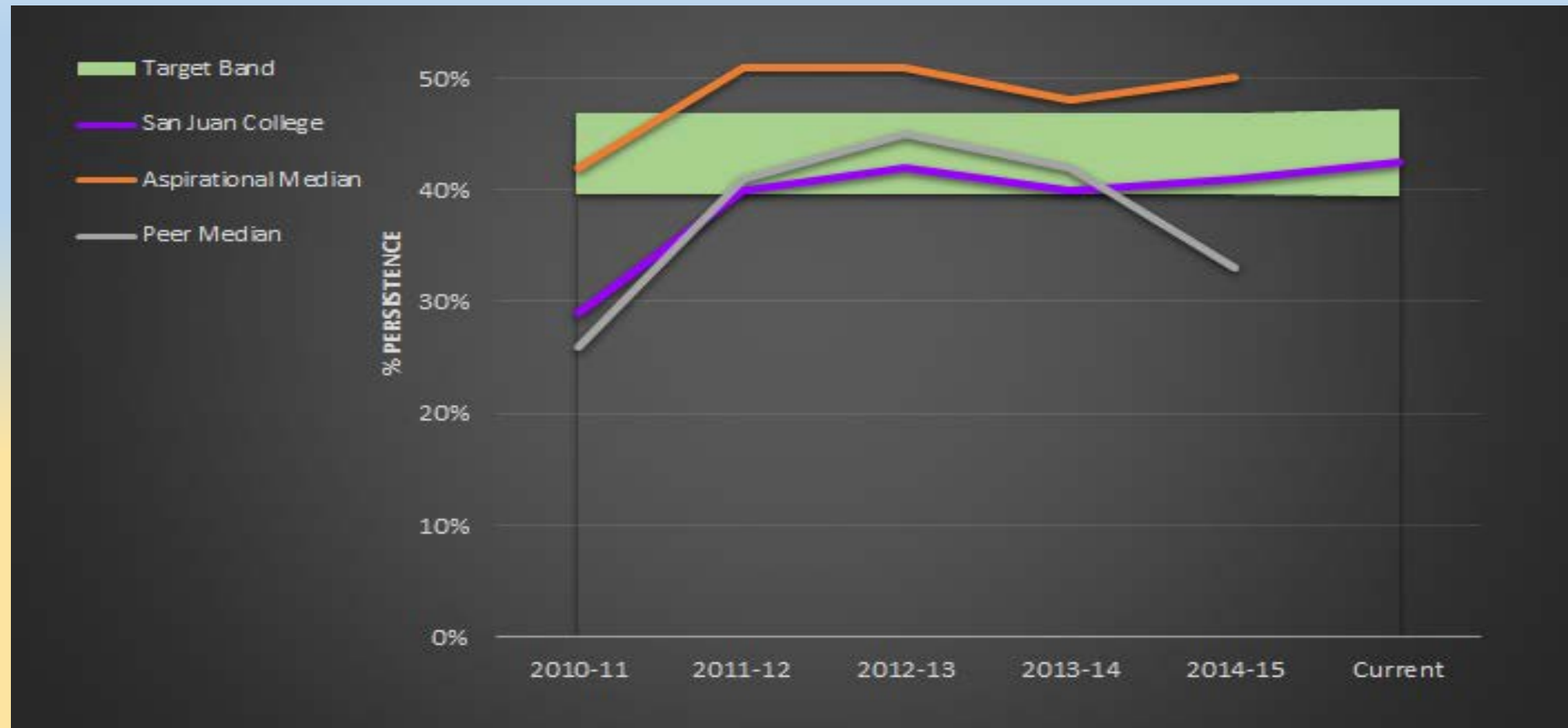




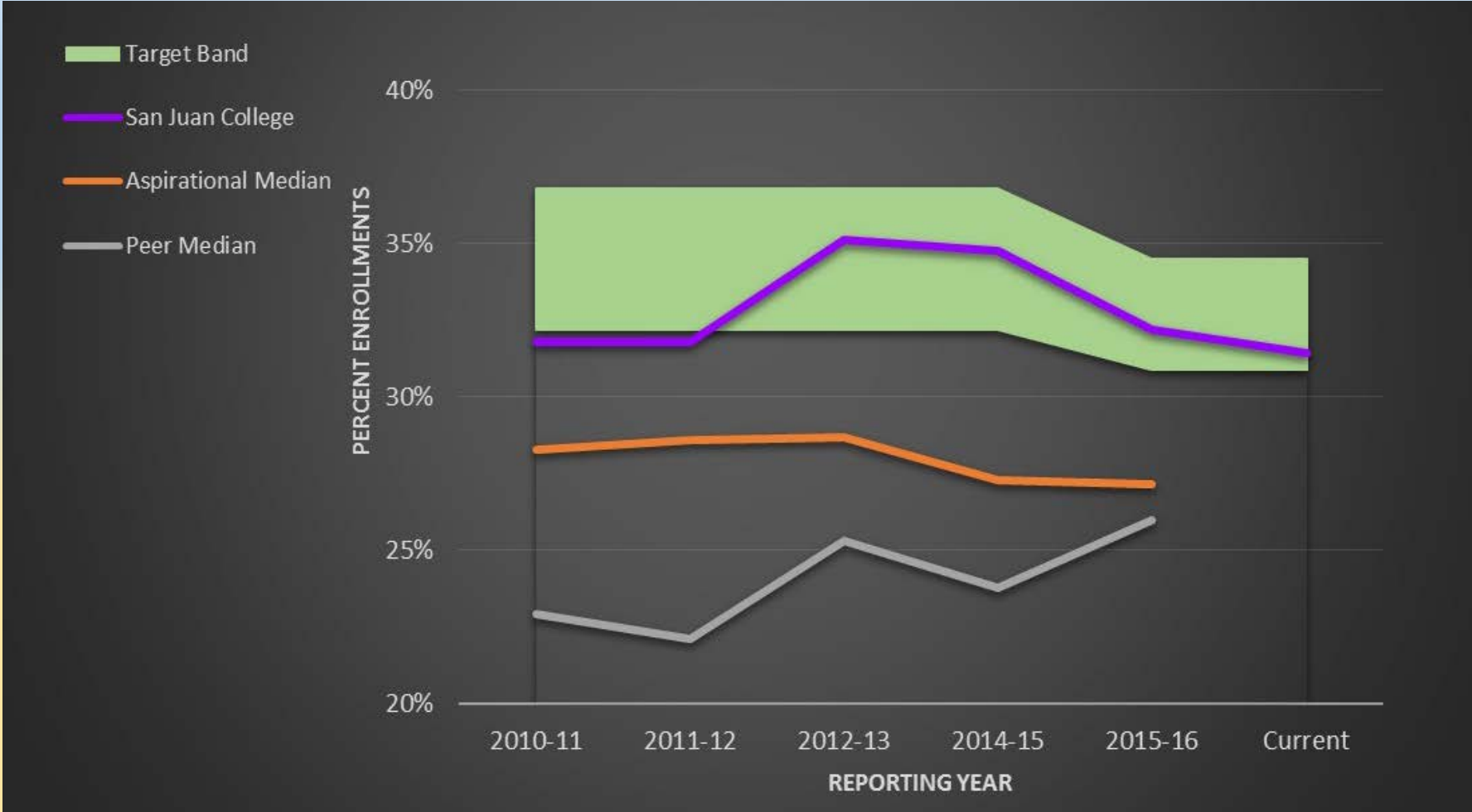
- Reduced Required Developmental Courses and Improved Success
  - At or near 75<sup>th</sup> percentile nationally
- Retention
  - Fall-to-Fall retention increase 10% in the past two years to 62%
  - Fall-to-Spring retention is 79%
- Completion
  - 44% percent change in graduates funded through State allocation over one year, largest percent change in the state
  - 96% increase in STEM-H graduates over the prior year, also the largest percent increase of any institution in the state



# Percentage of Students Graduated, Transferred or Still Enrolled at 150%

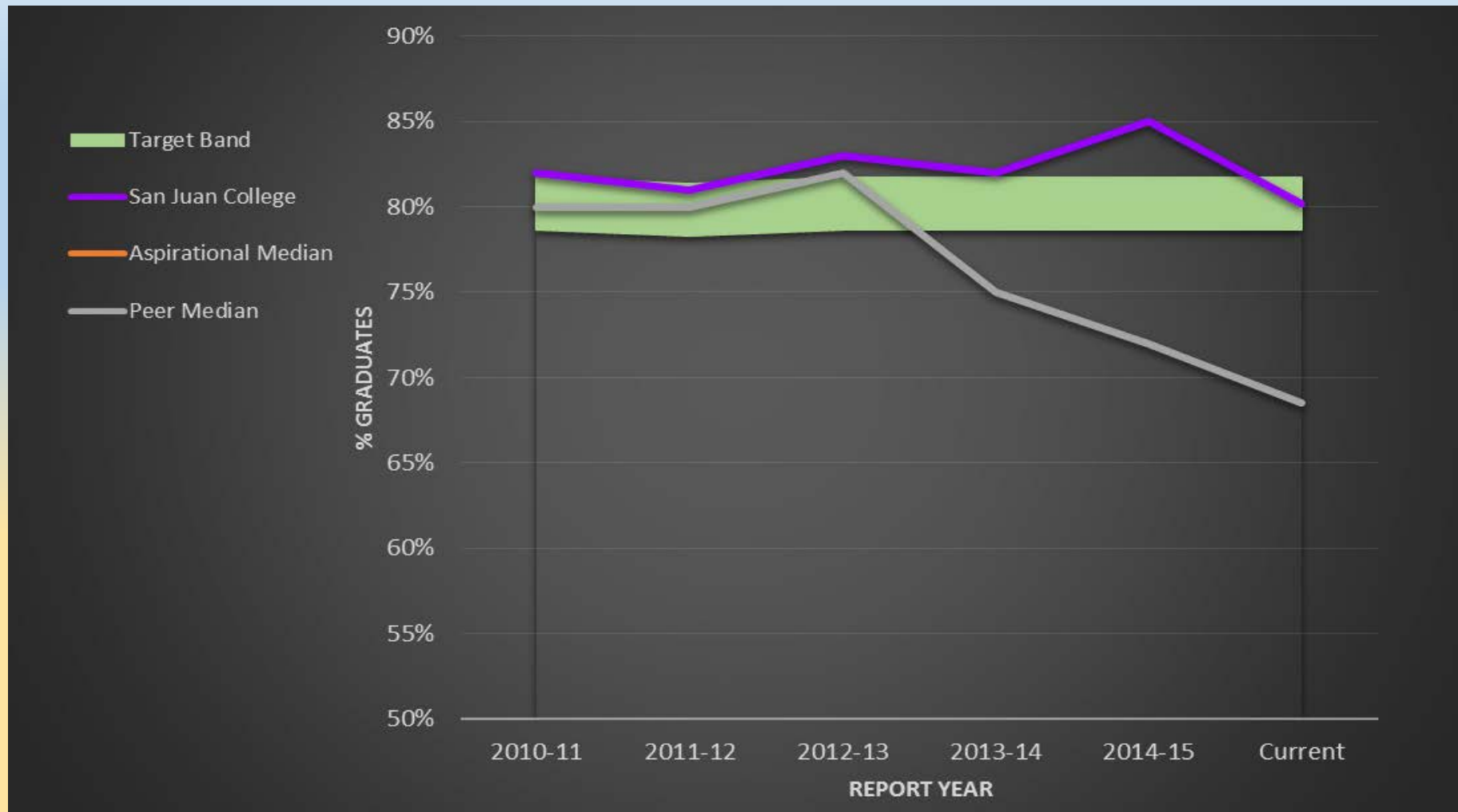


# Percentage of Area High School Graduates Attending College

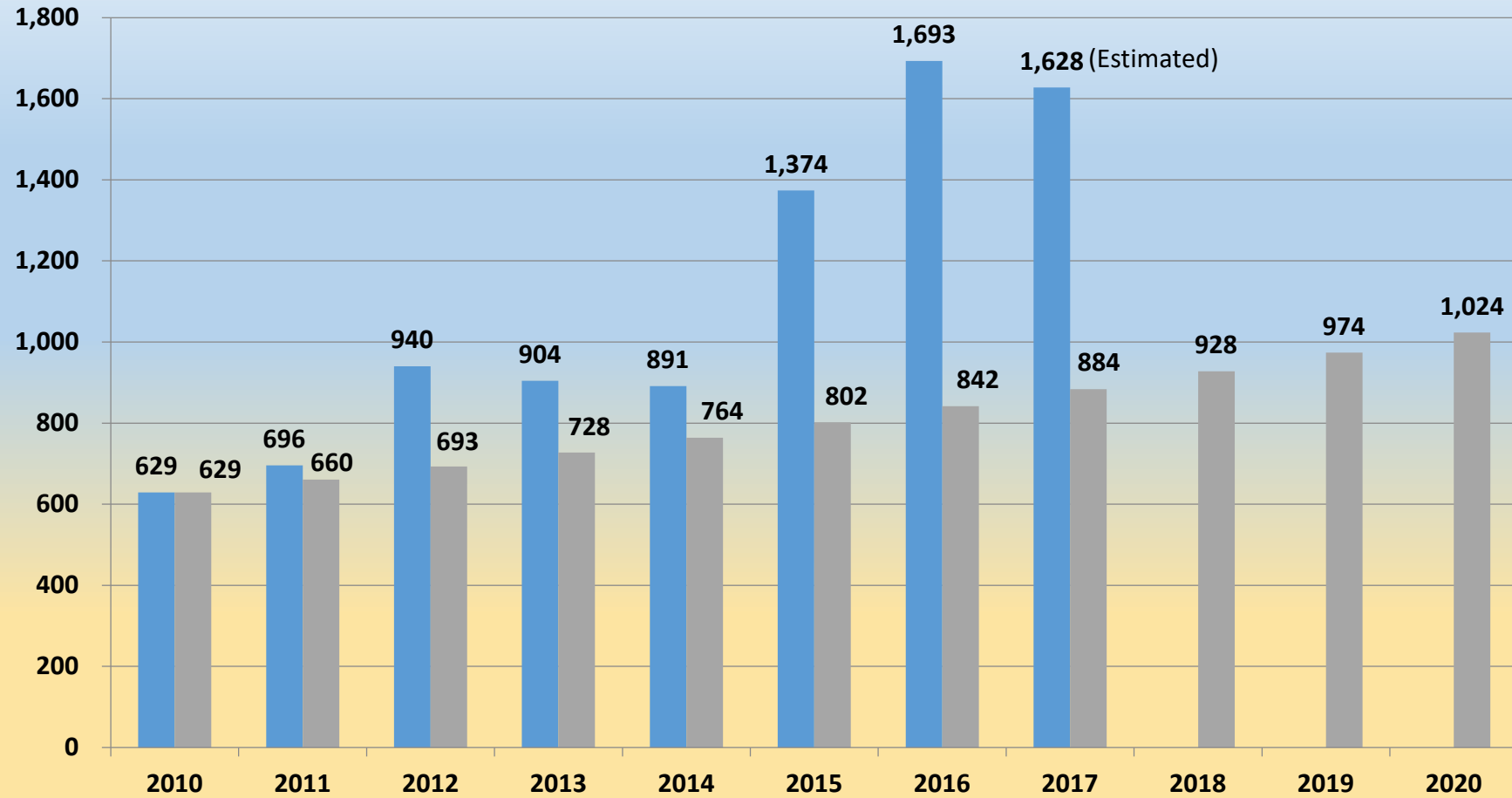




# Percentage of Graduates Placed in New Mexico Jobs



# San Juan College Graduates



143% Increase During Past Five Years

Actual Annual Percentage Increase from 2010-2017 - 15% per Year

■ Actual ■ Target



# Budget Changes And Performance Funding





## Budget Impact

- Declining production taxes
  - 2006- \$9 million in production taxes
  - 2016- \$1.5 million in production taxes (85% decrease)
- Overall Budget Reduction from FY14/15 to FY17/18 \$5,638,354, a 10.7% decline
- Educational funding availability varies
- Projected future loss after 2020 PNM closure- \$2,048,000



# Funding Formula

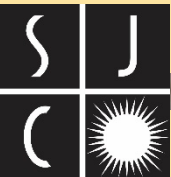
- State allocation formula percentages for outcomes are the same while factors inside the formula differ by institutional type.
- Tier funding was eliminated for comprehensive universities and community colleges removing all incentives to offer higher cost technical and healthcare programs.
- Formula for dual credit students uses institution's tuition as a multiplying factor rewarding institutions with higher tuition more funds.
- Only less-than-one-year certificates currently funded are in STEM-H areas.





## Recommendations

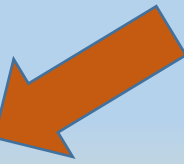
- Restore awards matrix to original values for comprehensive and community colleges instead of “flat” tier funding. Utilize the same award matrix as research universities.
- STEM-H and At-Risk matrices should be funded as a constant amount per award. Remove both tier and award level.
- Allocate dual credit funding as a constant amount per credit hour for all institutions. Remove the tuition multiplier.
- Allow institutions to count all less-than-one-year certificates.





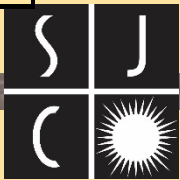
# Awards Matrices for Total Awards Outcome

	Points per Award Level by Award Program Tier Level											
	Certificates			Assoc Degree	Bach Degree	Master Degree	Doctoral		Grad Cert			
	<1 Year	1-2 Years	2-4 Years				Doctorate	1st Prof	Post Bach	Post MA		
	1-01	1-02	1-04	2-03	3-05	4-07	5-17	5-18	6-06	6-08		
Research												
Tier 1	4,950	7,260	14,455	14,455	33,000	32,888	108,659	108,659	7,819	19,256	Research	
Tier 2	7,143	10,477	20,860	20,860	47,623	47,461	156,808	156,808	11,284	27,788	Scale Factor	
Tier 3	10,469	15,354	30,570	30,570	69,792	69,555	229,805	229,805	16,537	40,723	255,688	
All Others												
Tier 1	100	200	200	250	500	1,000	2,500	2,500	250	500	All Others	
Tier 2	100	200	200	250	500	1,000	2,500	2,500	250	500	Scale Factor	
Tier 3	100	200	200	250	500	1,000	2,500	2,500	250	500	4,163	



# Awards Matrices for the STEM-H Awards Outcome

	Points per Award Level by Award Program Tier Level										
	Certificates			Assoc	Bach	Master	Doctoral		Grad Cert		
	<1 Year	1-2 Years	2-4 Years	Degree	Degree	Degree	Doctorate	1st Prof	Post Bach	Post MA	
Research	1-01	1-02	1-04	2-03	3-05	4-07	5-17	5-18	6-06	6-08	
Tier 1	4,950	7,260	14,455	14,455	33,000	32,888	108,659	108,659	7,819	19,256	Research
Tier 2	7,143	10,477	20,860	20,860	47,623	47,461	156,808	156,808	11,284	27,788	Scale Factor
Tier 3	10,469	15,354	30,570	30,570	69,792	69,555	229,805	229,805	16,537	40,723	118,931
<b>Comprehensive</b>											
Tier 1	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	Comp
Tier 2	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	Scale Factor
Tier 3	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,704
<b>Two-Year</b>											
Tier 1	500	500	500	500	500	500	500	500	500	500	Two-Year
Tier 2	500	500	500	500	500	500	500	500	500	500	Scale Factor
Tier 3	500	500	500	500	500	500	500	500	500	500	1,704



# Awards Matrices for Financially At-Risk Students Outcome

	Points per Award Level by Award Program Tier Level											
	Certificates			Assoc Degree	Bach Degree	Master Degree	Doctoral		Grad Cert			
	<1 Year	1-2 Years	2-4 Years				Doctorate	1st Prof	Post Bach	Post MA		
Research	1-01	1-02	1-04	2-03	3-05	4-07	5-17	5-18	6-06	6-08		
Tier 1	4,950	7,260	14,455	14,455	33,000	32,888	108,659	108,659	7,819	19,256	Research	
Tier 2	7,143	10,477	20,860	20,860	47,623	47,461	156,808	156,808	11,284	27,788	Scale Factor	
Tier 3	10,469	15,354	30,570	30,570	69,792	69,555	229,805	229,805	16,537	40,723	136,596	
<b>Comprehensive</b>												
Tier 1	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	Comp
Tier 2	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	Scale Factor
Tier 3	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	3,379
<b>Two-Year</b>												
Tier 1	575	575	575	575	575	575	575	575	575	575	575	Two-Year
Tier 2	575	575	575	575	575	575	575	575	575	575	575	Scale Factor
Tier 3	575	575	575	575	575	575	575	575	575	575	575	3,379



# Dual Credit Outcomes Distribution

Institution	Dual Credit EOC SCH 3-Year Average	Percent of Dual Credit EOC SCH	FY17 Resident Tuition Rate	Estimated Tuition Value (Funding Points)	Percent Tuition Value
Eastern New Mexico University	4,857	4.4%	\$142.80	693,532	9.6%
New Mexico Highlands University	633	0.6%	\$165.65	104,856	1.5%
Northern New Mexico College	2,657	2.4%	\$130.00	345,388	4.8%
Western New Mexico University	6,103	5.5%	\$155.84	951,144	13.2%
Eastern New Mexico University-Roswell	5,662	5.1%	\$69.00	390,667	5.4%
Eastern New Mexico University-Ruidoso	3,522	3.2%	\$43.00	151,446	2.1%
New Mexico State University-Alamogordo	2,048	1.9%	\$78.00	159,718	2.2%
New Mexico State University-Carlsbad	6,917	6.3%	\$39.00	269,763	3.7%
New Mexico State University-Dona Ana	7,535	6.8%	\$60.00	452,120	6.3%
New Mexico State University-Grants	2,407	2.2%	\$75.00	180,500	2.5%
University of New Mexico-Gallup	138	0.1%	\$70.10	9,697	0.1%
University of New Mexico-Los Alamos	1,181	1.1%	\$79.00	93,325	1.3%
University of New Mexico-Taos	6,434	5.8%	\$75.00	482,534	6.7%
University of New Mexico-Valencia	5,207	4.7%	\$71.50	372,301	5.2%
Central New Mexico Community College	23,604	21.4%	\$52.00	1,227,408	17.0%
Clovis Community College	5,079	4.6%	\$39.00	198,094	2.7%
Luna Community College	2,868	2.6%	\$38.00	108,997	1.5%
Mesalands Community College	2,145	1.9%	\$55.00	117,957	1.6%
New Mexico Junior College	6,755	6.1%	\$35.00	236,437	3.3%
San Juan College	8,545	7.7%	\$46.00	393,070	5.4%
Santa Fe Community College	6,115	5.5%	\$47.00	287,421	4.0%
<b>Total</b>	<b>110,413</b>	<b>100.0%</b>		<b>7,226,374</b>	<b>100.0%</b>





**Thank You!**

Questions?

