



# BOARD *of* GOVERNORS

## State University System of Florida

### System Strategic Plan: Mid-Course Correction

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[www.flbog.edu](http://www.flbog.edu)



# System Strategic Plan Goal Areas

**Metrics are grouped into 3 Goal Areas:**



**Teaching  
&  
Learning**

**8 Metrics**



**Scholarship,  
Research,  
&  
Innovation**

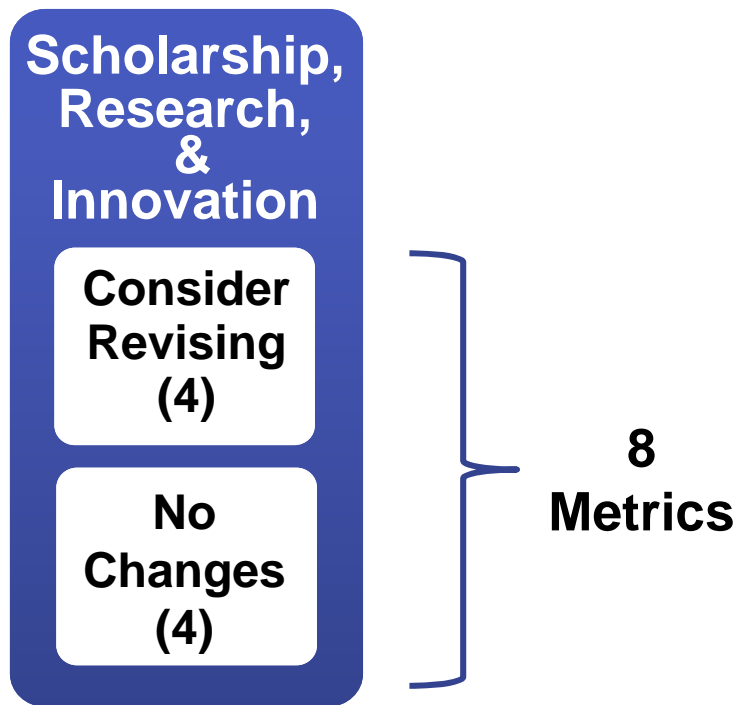
**2 Metrics**



**Community  
&  
Business  
Engagement**



# Scholarship, Research & Innovation Metrics





## Consider Revising Existing Metrics

1. Total R&D Expenditures
2. Percent of R&D Expenditures from External Sources
3. Number of Licenses/Options Executed Annually
4. Number of Start-up Companies



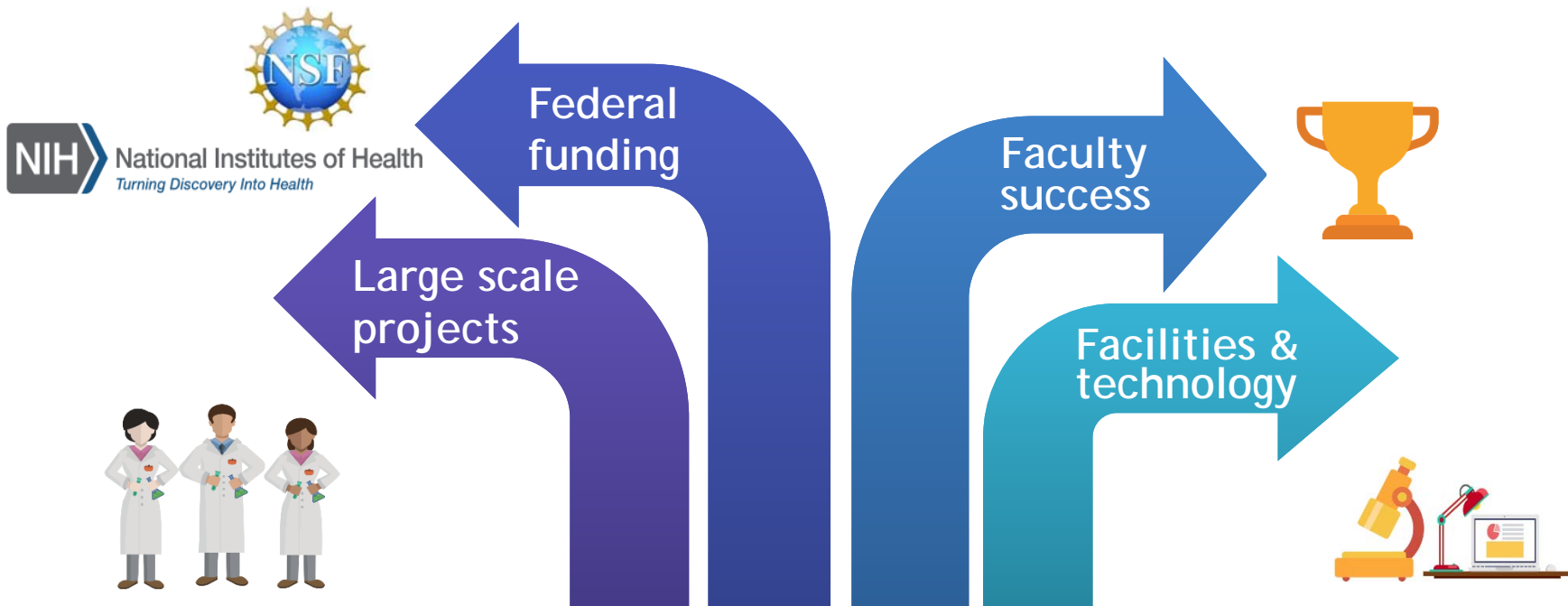
## Consider Revising: Total R&D Expenditures

CURRENT ACTUAL	CURRENT GOAL	2025 TREND	PROPOSED GOAL
\$2.32 B	\$2.29 B	\$2.68 B	TBD



# Consider Revising: Total R&D Expenditures

What factors influence research expenditures?





## Consider Revising: Total R&D Expenditures

2014

\$1.78 B

2019

\$2.32 B

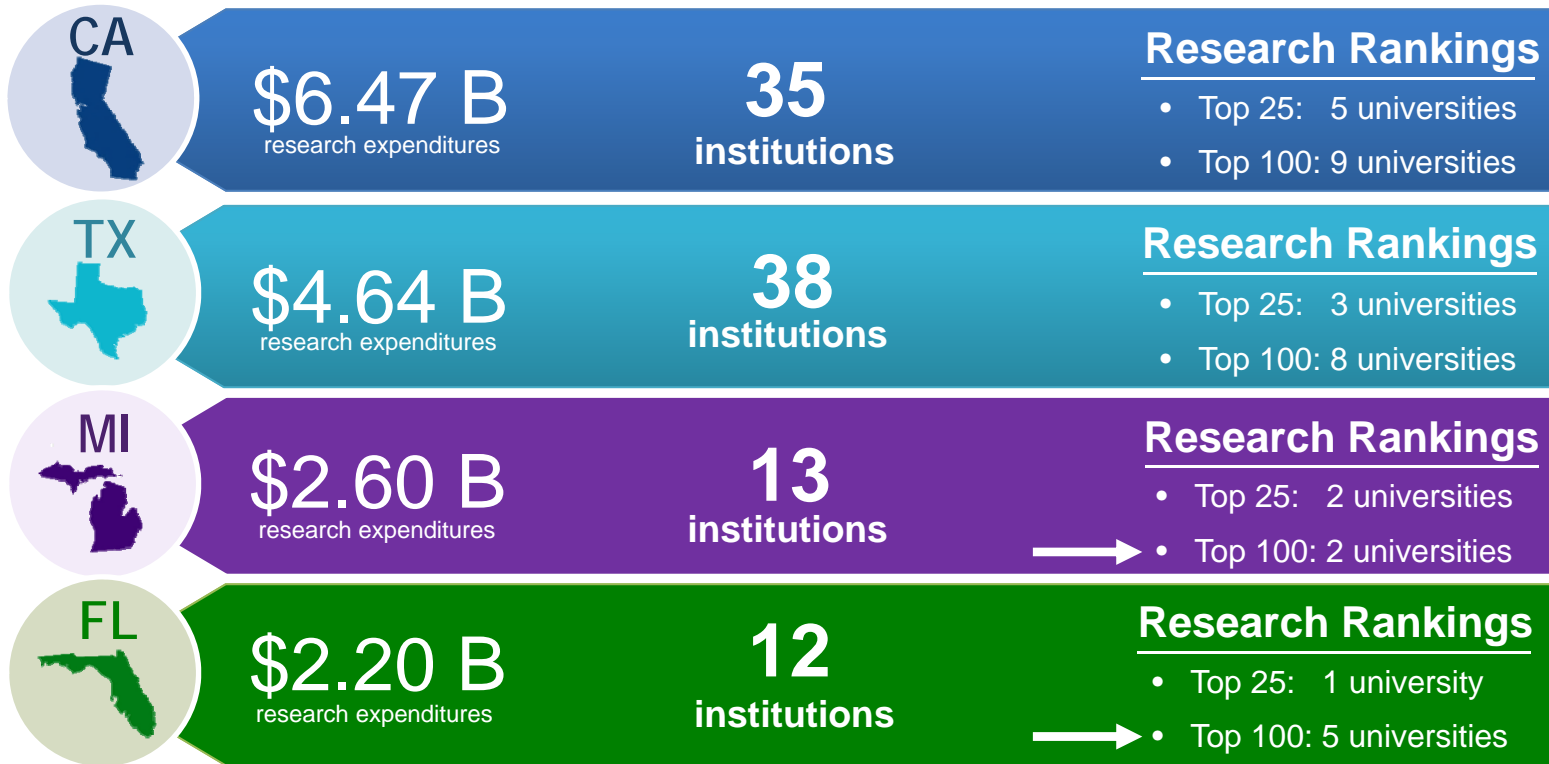
2025

\$2.68 B

2012-13 2013-14 2014-15 2015-16 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 2022-23 2023-24



# Consider Revising: Total R&D Expenditures



Source: NSF HERD 2018 (based on FY 2017 research expenditures)





## Consider Revising: Total R&D Expenditures

CURRENT ACTUAL	CURRENT GOAL	2025 TREND	PROPOSED GOAL
\$2.32 B	\$2.29 B	\$2.68 B	TBD



## Consider Revising: Percent of R&D Expenditures from External Sources

CURRENT ACTUAL	CURRENT GOAL	2025 TREND	PROPOSED GOAL
54%	71%	.	TBD



## Consider Revising: Percent of R&D Expenditures from External Sources

What assumptions was the original goal based on?



Increase  
competitiveness  
of SUS in  
research

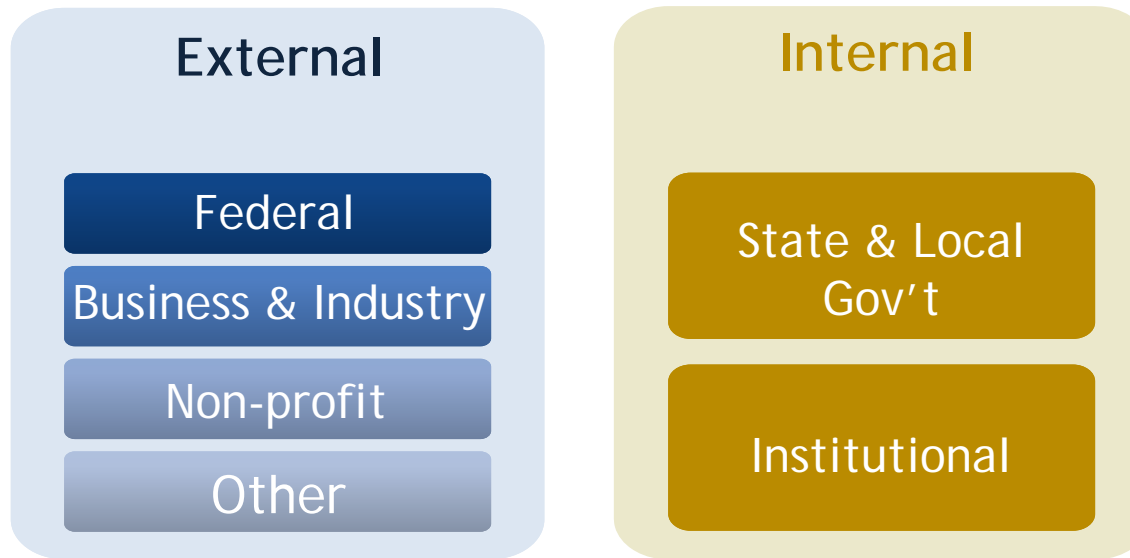


% was set based  
on average % of  
Top 10 states for  
research



## Consider Revising: Percent of R&D Expenditures from External Sources

What are the sources of funding included in **external** and **internal** research expenditures?





## Consider Revising: Percent of R&D Expenditures from External Sources

### Factors influencing external funding



Federal budget and agency priorities

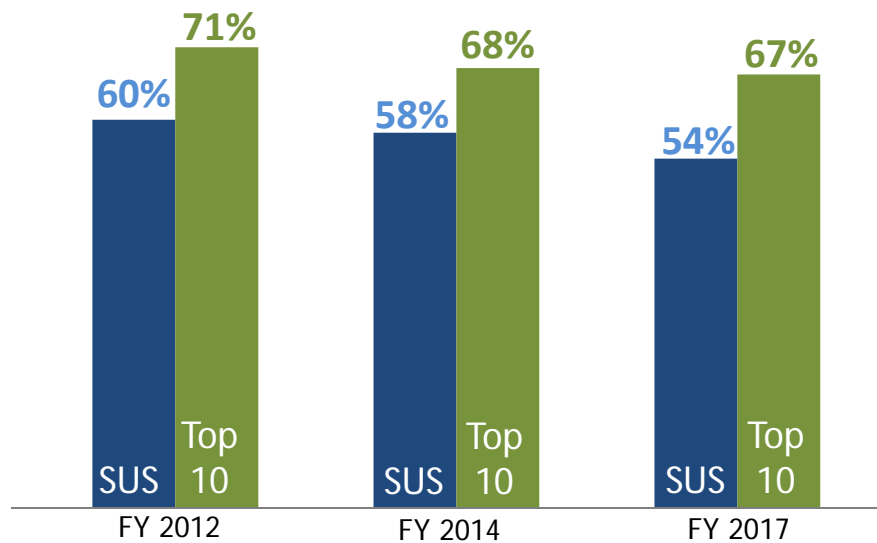
Institutional investment in research

Methodology for calculating external funds

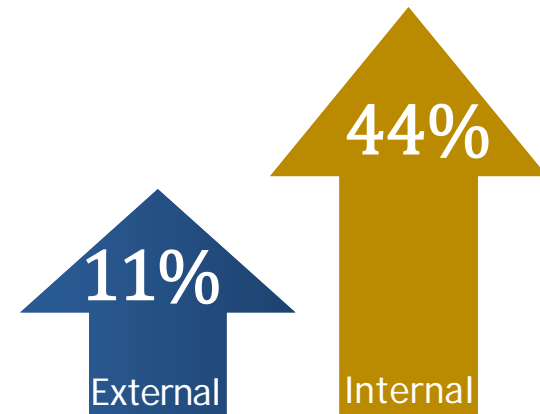


## Consider Revising: Percent of R&D Expenditures from External Sources

The % of R&D expenditures from external sources has declined both for the **SUS** & **top 10 states**



While **external sources** have grown for the SUS, **internal sources** have grown at a faster rate



% growth between 2012 & 2017 for SUS



## Consider Revising: Percent of R&D Expenditures from External Sources

### Options for changing metric

1.

Reduce % to be in line with national averages

2.

Revise goal to external expenditure amount  
that demonstrates growth and competitiveness



# Consider Revising: Percent of R&D Expenditures from External Sources

	2017 R&D Exp.	% External	\$ External
CA	\$6.47B	72%	\$4.69B
TX	\$4.64B	57%	\$2.67B
MI	\$2.60B	62%	\$1.60B
FL	\$2.20B	54%	\$1.18B
PA	\$2.08B	77%	\$1.59B
NC	\$1.77B	68%	\$1.20B
OH	\$1.75B	72%	\$1.25B
WA	\$1.74B	80%	\$1.39B
GA	\$1.60B	65%	\$1.04B
VA	\$1.49B	61%	\$0.91B

## National Averages

**1. % External**

**64%** Top 3  
**67%** Top 10

**2. \$ External**

**\$2.96B**  
Top 3

**\$1.75B**  
Top 10





# Consider Revising: Percent of R&D Expenditures from External Sources

OPTIONS	CURRENT ACTUAL	CURRENT GOAL	2025 TREND	NATIONAL BENCHMARK		PROPOSED GOAL
<b>1. Revise %</b>	54%	71%	.	Top 3 Top 10	<b>64%</b> <b>67%</b>	TBD
<b>2. Use Amount</b>	\$1.26 B	.	.	Top 10	<b>\$1.75 B</b>	TBD

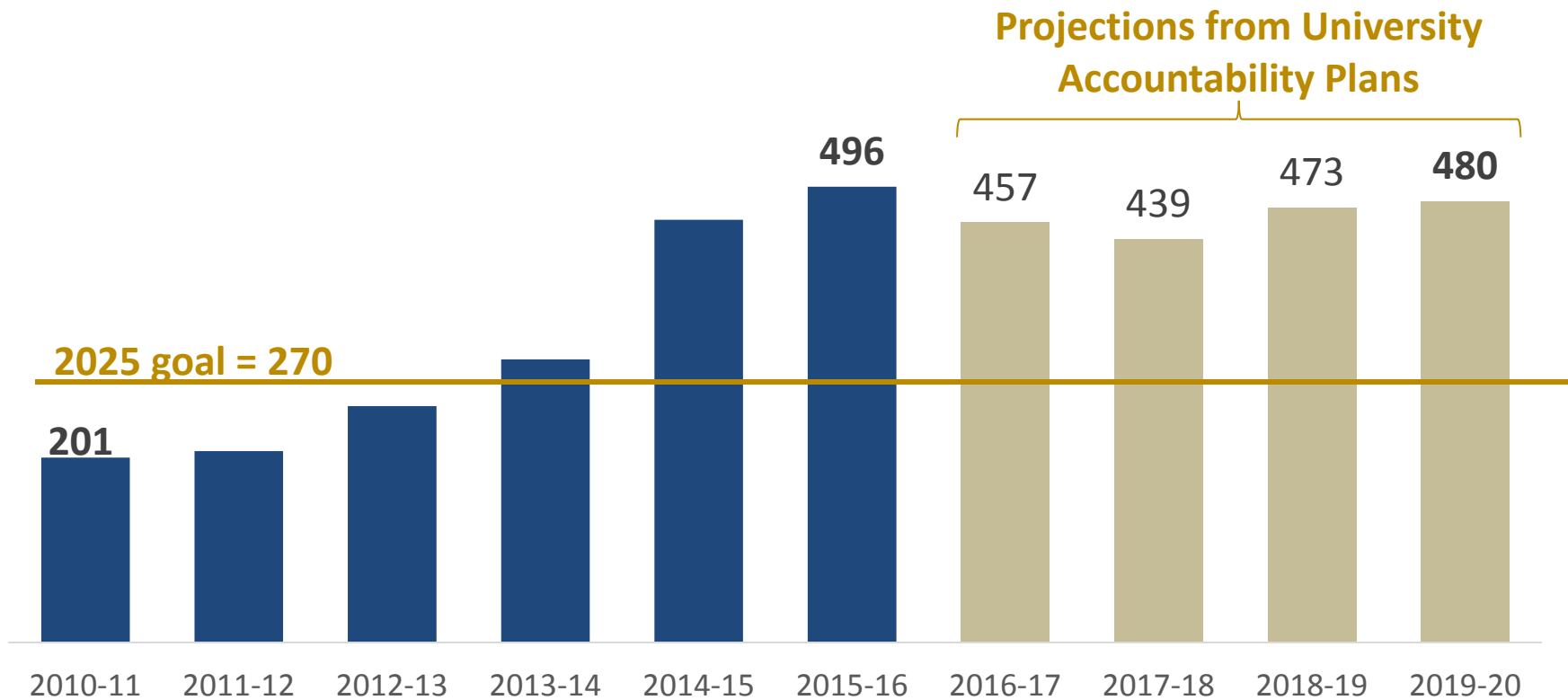


## Consider Revising: Number of Licenses/Options Executed Annually

CURRENT ACTUAL	CURRENT GOAL	2025 TREND	PROPOSED GOAL
496	270	.	TBD



# Consider Revising: Number of Licenses/Options Executed Annually





## Consider Revising: Number of Licenses/Options Executed Annually

Licenses & Options are difficult to predict, reasons why include:



How research projects are funded

Not every patent results in license or option

Timing between patents & licenses & options



## Consider Revising: Number of Licenses/Options Executed Annually

CURRENT ACTUAL	CURRENT GOAL	2025 TREND	PROPOSED GOAL
496	270	.	TBD

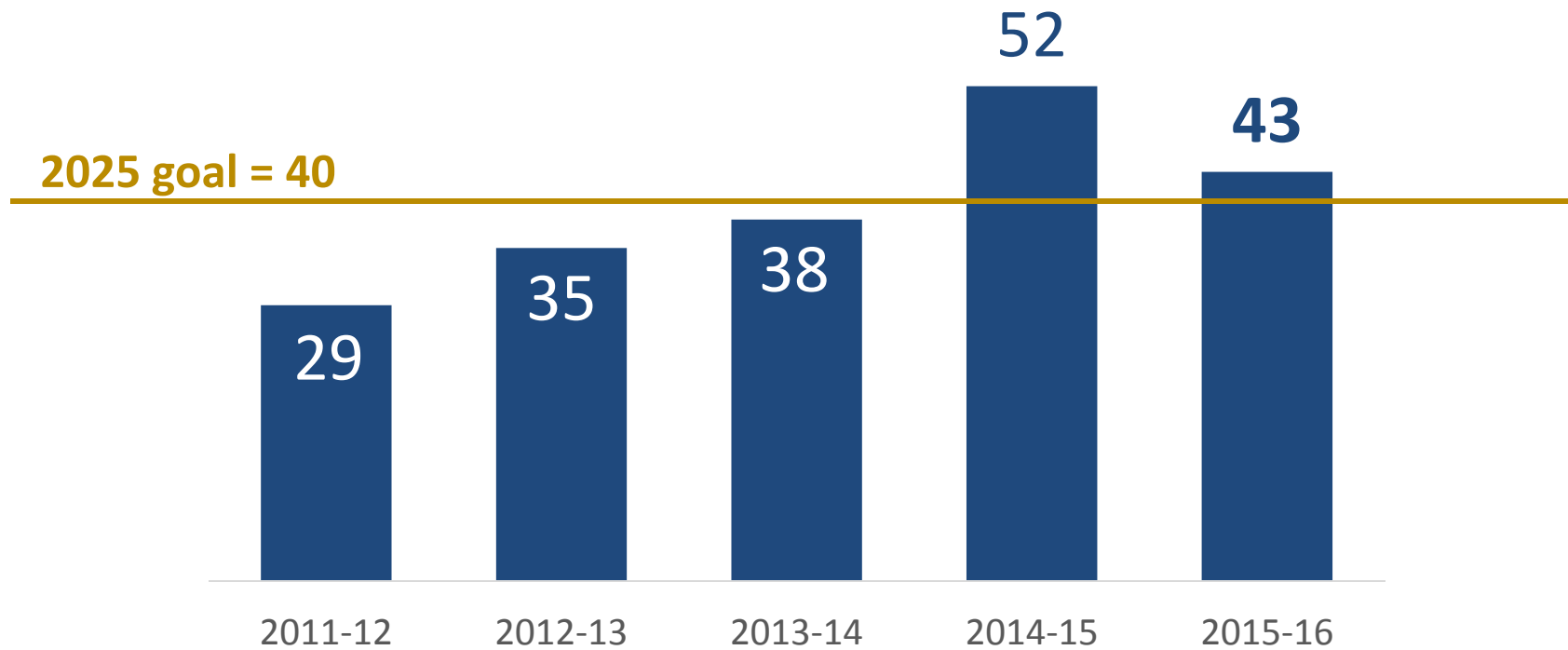


## Consider Revising: Number of Start-up Companies

CURRENT ACTUAL	CURRENT GOAL	2025 TREND	PROPOSED GOAL
43	40	.	TBD



## Consider Revising: Number of Start-up Companies





## Consider Revising: Number of Start-up Companies

Though challenging to predict,  
SUS institutions are committed to  
innovation and growth of start-ups

Some examples  
across the system  
of these efforts

**THE**  
**CORRIDOR**  
FLORIDA HIGH TECH

**USF CONNECT**  
The Business of Science  
[www.USFCONNECT.org](http://www.USFCONNECT.org)

FLORIDA ATLANTIC UNIVERSITY  
TECH RUNWAY

**ucf** **Business Incubation  
Program**  
UNIVERSITY OF CENTRAL FLORIDA

**StartUP FTU**

**UF INNOVATE**  
SID MARTIN BIOTECH



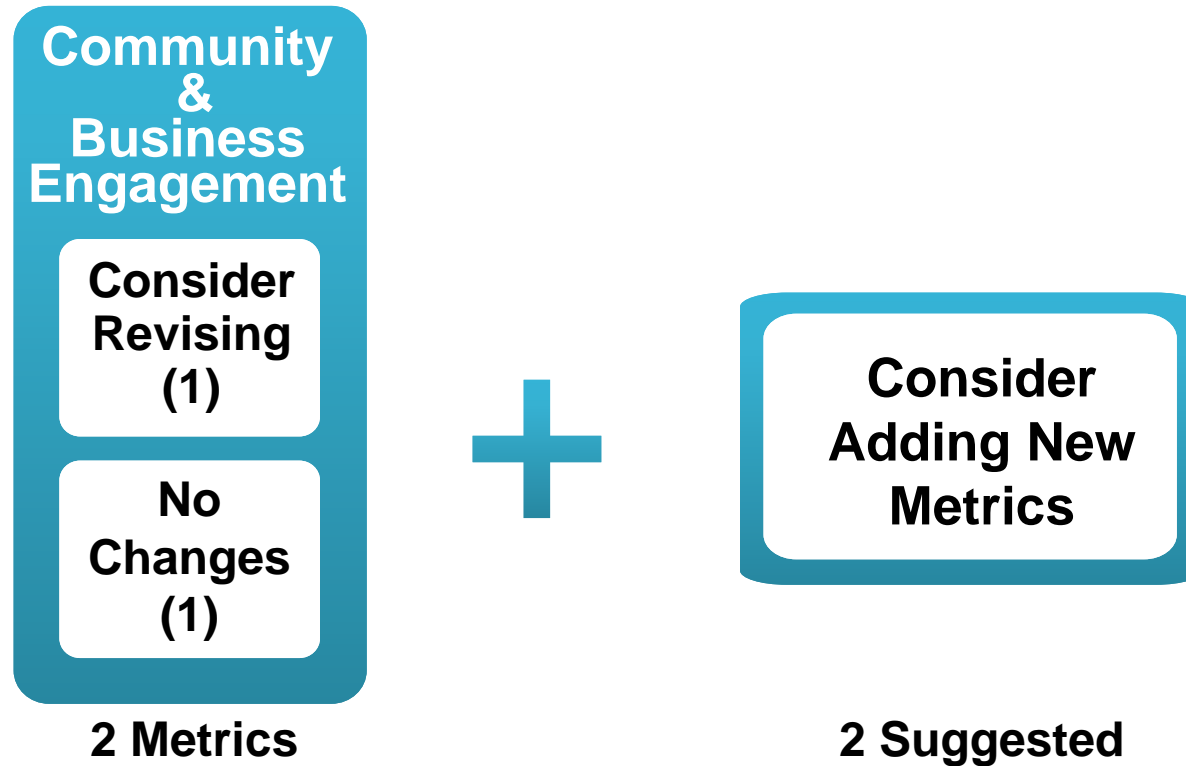


## Consider Revising: Number of Start-up Companies

CURRENT ACTUAL	CURRENT GOAL	2025 TREND	PROPOSED GOAL
43	40	.	TBD



# Community & Business Engagement Metrics





## Consider Revising: Percent of Baccalaureate Graduates Continuing Education or Employed

	CURRENT ACTUAL	CURRENT GOAL	2025 TREND	PROPOSED GOAL
Enrolled or Employed Full-time	76%	90%	79%	TBD



## Consider Revising: Percent of Baccalaureate Graduates Continuing Education or Employed

What are the data limitations with % employed?

Includes graduates who

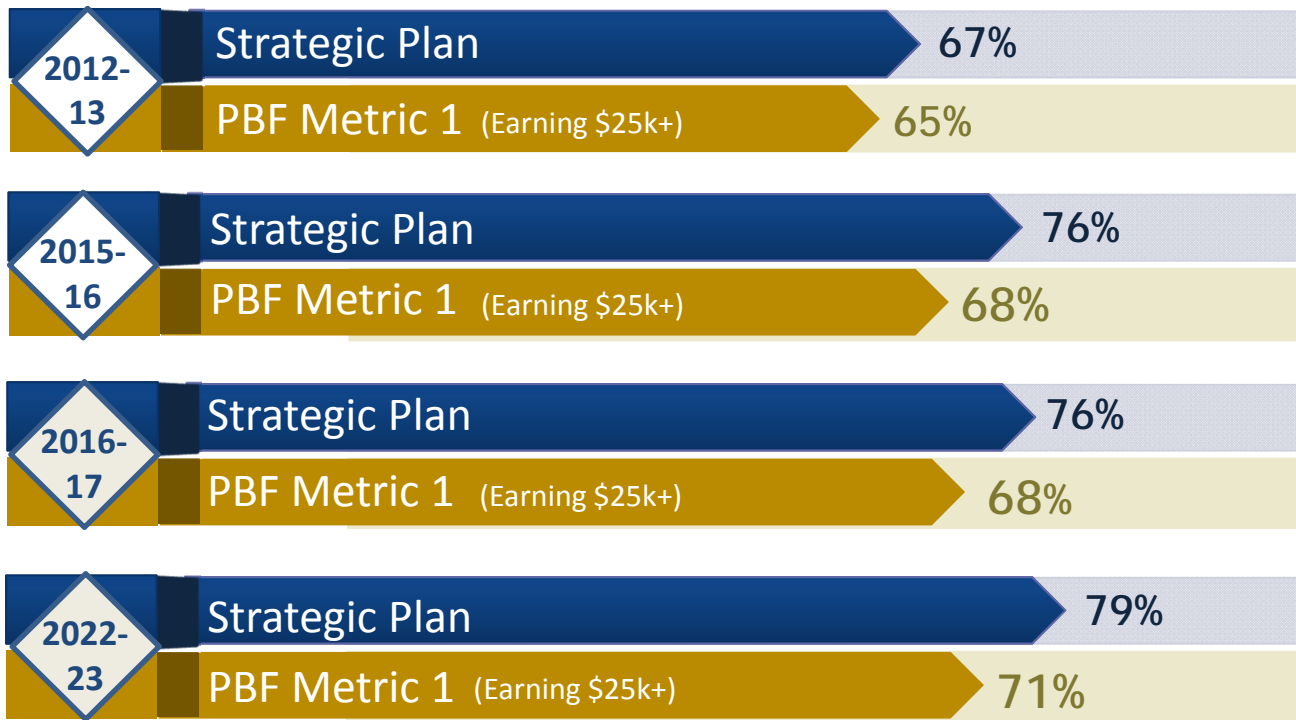
- ✓ are employed in FL and 44 other states, D.C., & Puerto Rico
- ✓ continue their education

Does NOT include graduates who

- are employed in AL, CA, HI, MA, & NY ✗
- are self-employed or employed in temporary positions ✗
- are employed by or other the military, federal government, non-profits ✗



# Consider Revising: Percent of Baccalaureate Graduates Continuing Education or Employed



**72.8%**  
Current PBF  
Benchmark

Projections  
from  
University  
Accountability  
Plans



## Consider Revising: Percent of Baccalaureate Graduates Continuing Education or Employed

	CURRENT ACTUAL	CURRENT GOAL	2025 TREND	PROPOSED GOAL
Enrolled or Employed Full-time	76%	90%	79%	TBD
Enrolled or Employed (Earning \$25,000+)*	68%	*	71%	TBD

\*Current PBF 1 Benchmark is 72.8%



## Consider Adding New Metrics

1.

Median Wages for Bachelor's Graduates  
Employed Full-time

2.

Student Wellness Metrics



## Consider Adding: Median Wages for Bachelor's Graduates Employed Full-time

CURRENT ACTUAL	CURRENT GOAL	2025 TREND	PROPOSED GOAL
\$38,100	.	\$41,200	TBD

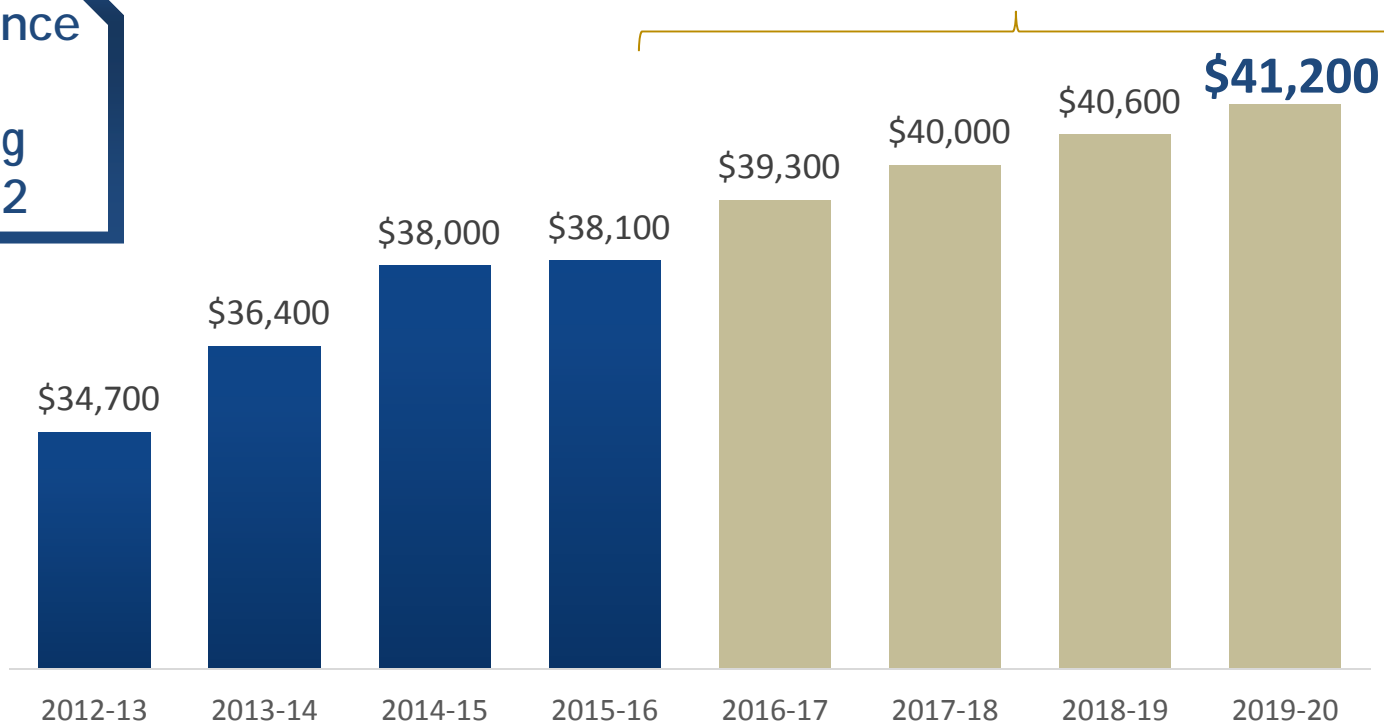




# Consider Adding: Median Wages for Bachelor's Graduates Employed Full-time

Performance  
Based  
Funding  
Metric 2

Projections from University Accountability Plans





## Consider Adding: Student Wellness Metrics

Frequency of use of alcohol, marijuana & other drugs in the past 3 months\*

Most common mental health issues (e.g., anxiety, depression, addiction)\*

Treatment of mental health issues in the past 12 months\*

Impact of alcohol use, drug use, & mental health issues on academic performance in the past 12 months\*

Faculty/staff-based literacy metrics from Kognito (TBD)

\*Benchmark questions from the American College Health Association's (ACHA) National College Health Assessment



# Discussion Review & Summary

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Number of Start-up Companies	43	40	.	TBD
% of Bachelors Graduates Enrolled or Employed	76%	90%	79%	TBD



# Discussion Review & Summary

METRICS	CURRENT ACTUAL	CURRENT GOAL	2025 TREND	PROPOSED GOAL
Median Wages for Bachelor's Graduates Employed Full-time	\$38,100	.	\$41,200	TBD
Student Wellness Metrics				



# Timeline for Mid-Course Correction





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