

50[↑]5 IN TOWN HALL

OFFICE OF THE PROVOST | DIVISION OF RESEARCH

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Senior Vice Chancellor for Academic Affairs, UH System

Senior Vice President for Academic Affairs and Provost, UH

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Vice President for Research and Technology Transfer, UH

UNIVERSITY of
HOUSTON

↑ **A Year to Celebrate: Research and Awards**

\$203M

Research Expenditures

32

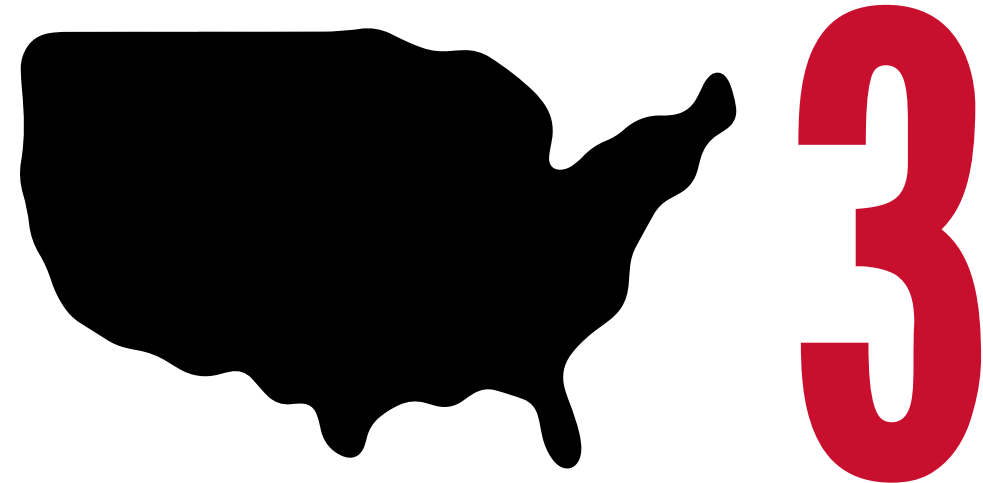
Major Grants

73

Disclosures

25

Patents



National
Centers



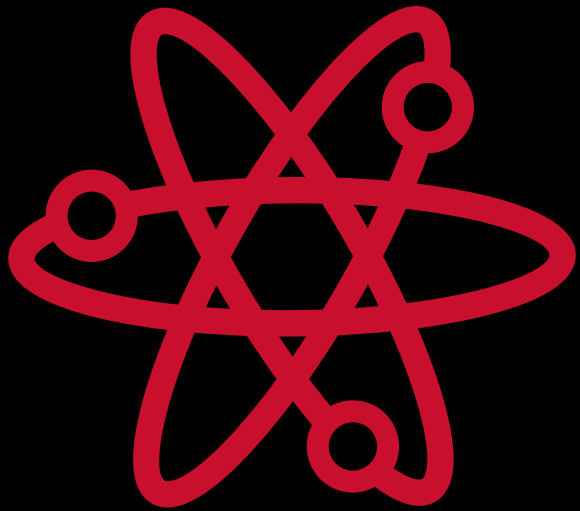
NSF CAREER
Awards FY21

Overtaking TT
in Research
Expenditures



36.5%

increase in
research
income
above \$1M



↑ A Year to Celebrate: Major Grants



**\$13.8M Visual Dossiers
for Recognizing and
Identifying Humans
at Altitude and Range
(VIDORA)**

**Ioannis Kakadiaris,
Computer Science (FY22)**



**\$7.9M Workforce and
Economic Development
to Enhance Sustainable
Offshore Energy Systems
in the Gulf of Mexico**

**Ramanan Krishnamoorti,
UH Energy (FY21)**



**\$3M Biomechanics
of Accommodation
Kirill Larin, Biomedical
Engineering (FY21)**

↑ A Year to Celebrate: Major Achievements



Roberto Tejada
Guggenheim Fellow
(April 2021)



Joy Priest
National Endowment for
the Arts Fellowship
(February 2021)

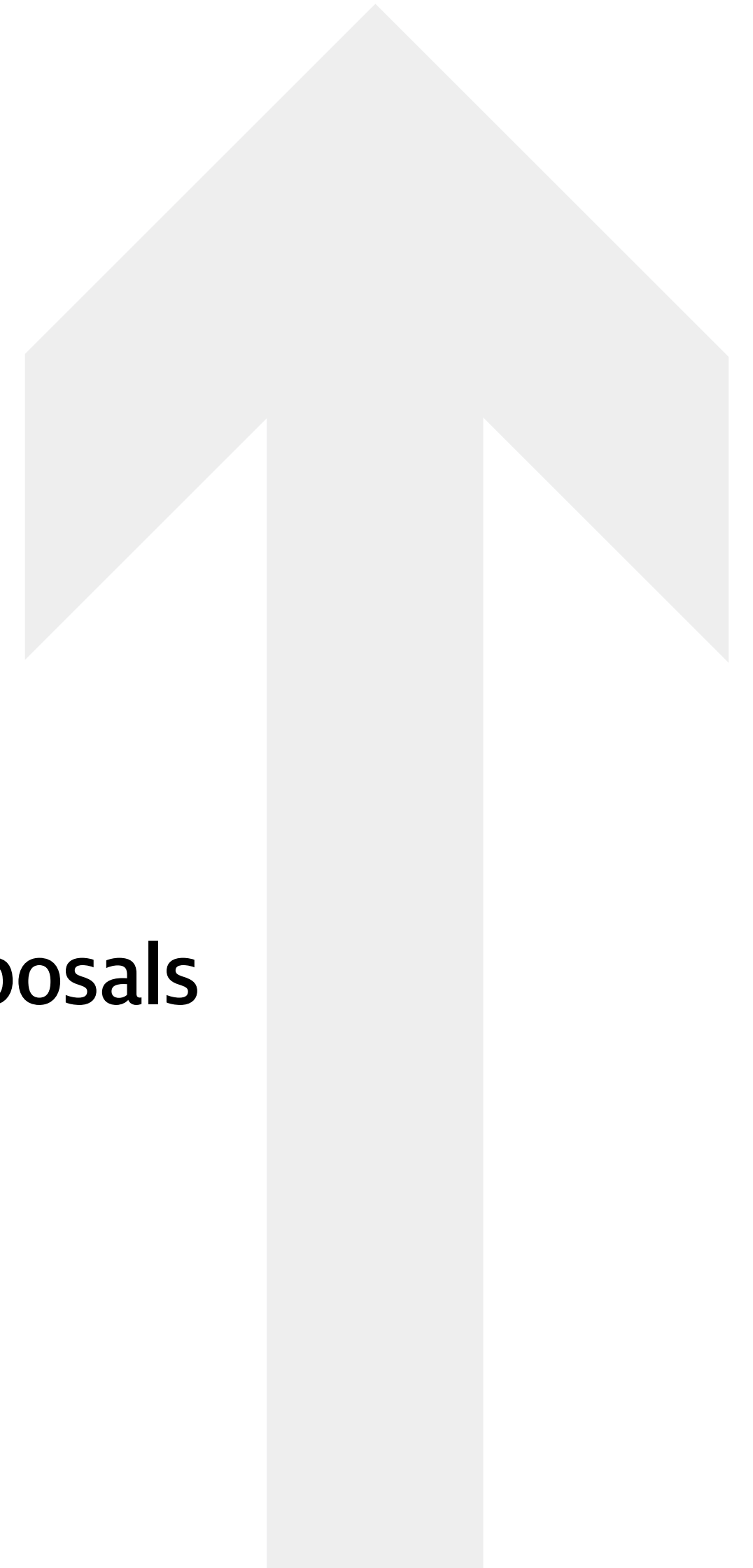


Beau Alward
Beckman Young
Investigator Award
(June 2021)



↑ How do we increase scholarly output?

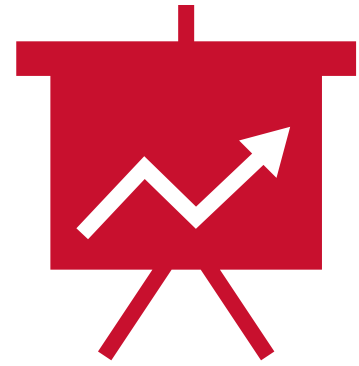
- 1 Invest in Infrastructure
- 2 Invest in Critical Areas
- 3 Increase & Enhance Proposals



↑ How does UH benefit?



Gives greater visibility from publications, citations and research



Bolsters reputation and enhances reputational components of our ranking



Supports UH Strategic Plan,
“Together We Rise, Together We Soar,”
goal for research preeminence and
top 50 public research university



CELEBRATING FACULTY SUCCESS

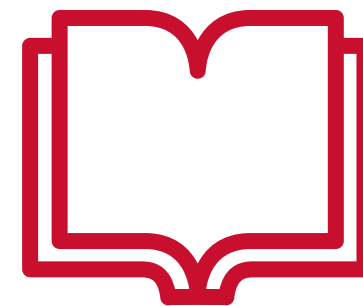




↑ Faculty Recognition Categories



Publications



National Awards & Books



Major Awards



Patents



↑ Year 1–3 Scholars Since 2018



122

National Awards & Recognition



152

High-Impact Publications



175

Major Grants

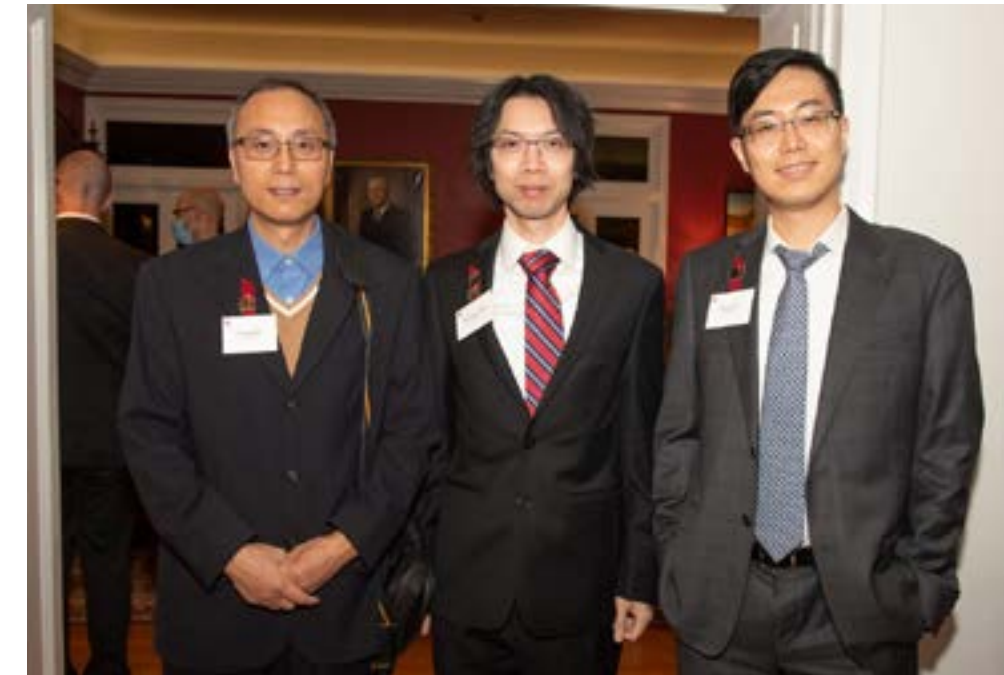


91

Patents

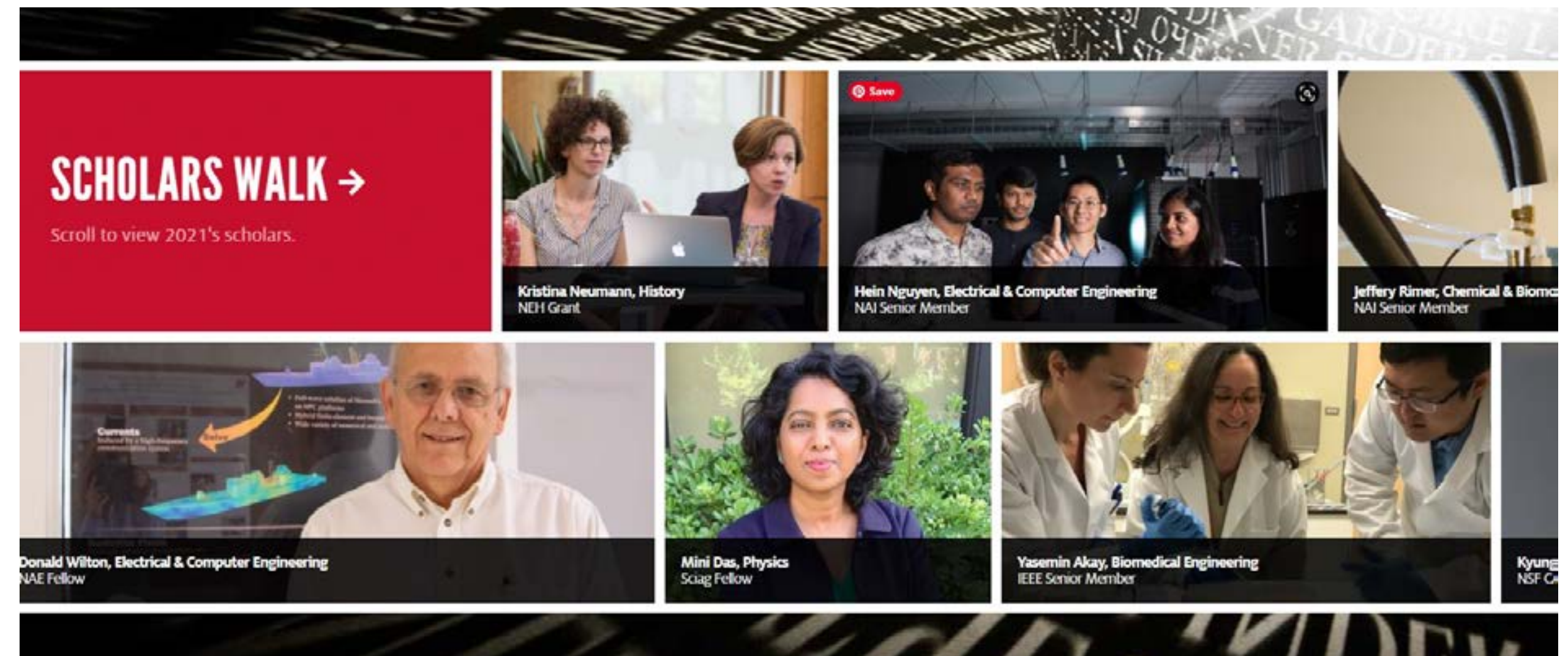


↑ Celebration Events



↑ Scholars Walk

- UH's first electronic art installation
- Sponsored by the Office of the Provost and Division of Research
- Funding approved, completion by Summer 2022
- Online Scholars Walk launched in Fall 2021



SNAPSHOT

FY 2021 PRODUCTIVITY





↑ Insights

PROPOSALS

+15.4% Number of Proposals

+22.3% Amount Requested

AWARDS

+24.4% Projected Award Amount

+36.5% Research Income \$1M+

EXPENDITURES

+1.3% Total Expenditures – NSF

+3.1% Total Expenditures from External Sources

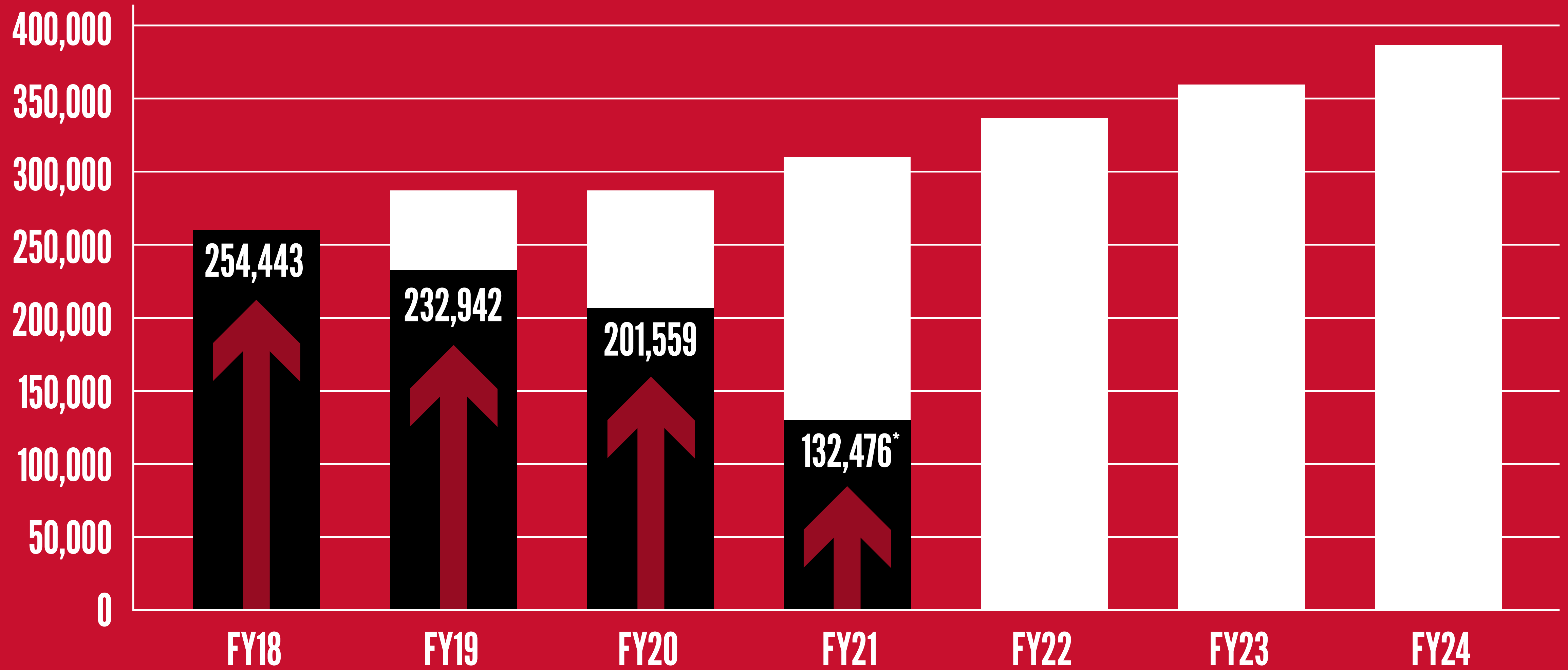
FACULTY

+3.1% Ranked Faculty with Projects

↑ Citations

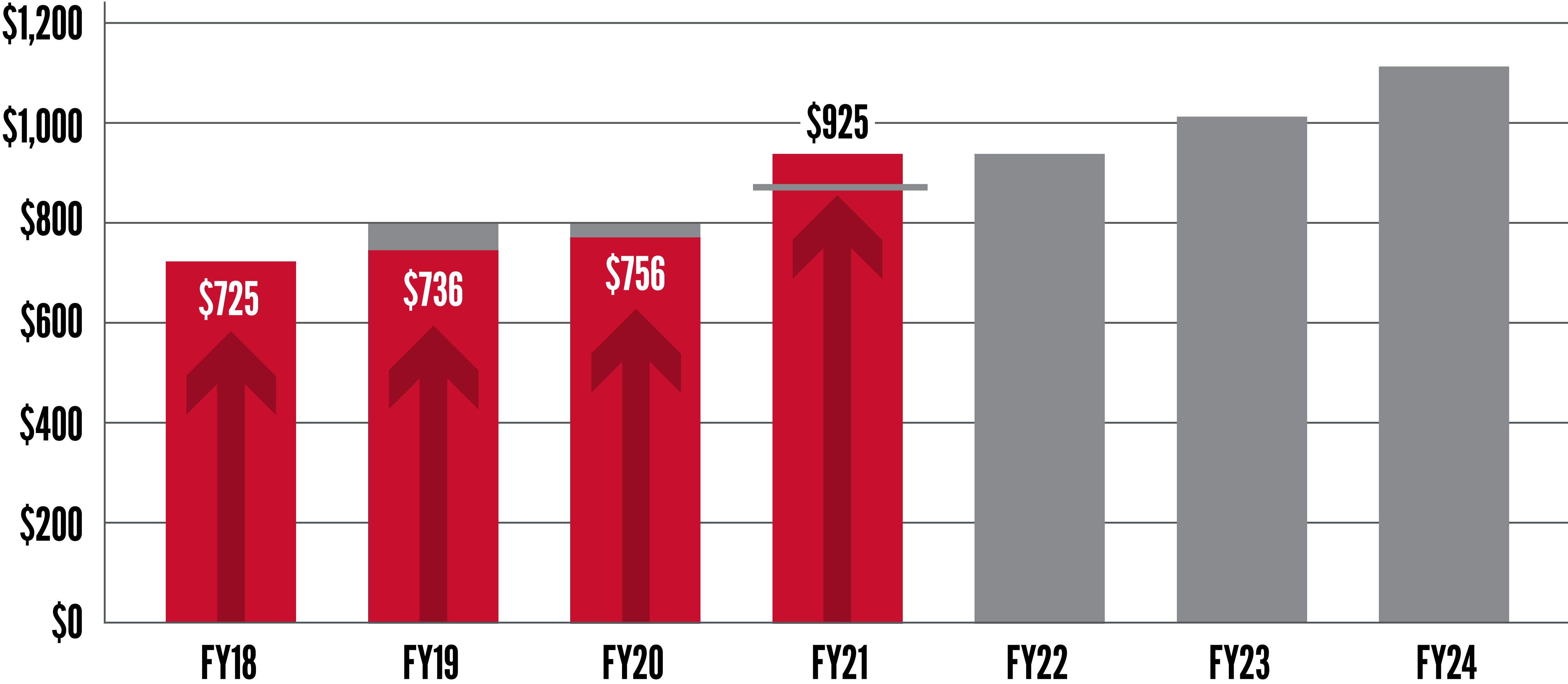
■ ACTUAL ■ GOAL

* Lagging indicator: all citations will increase



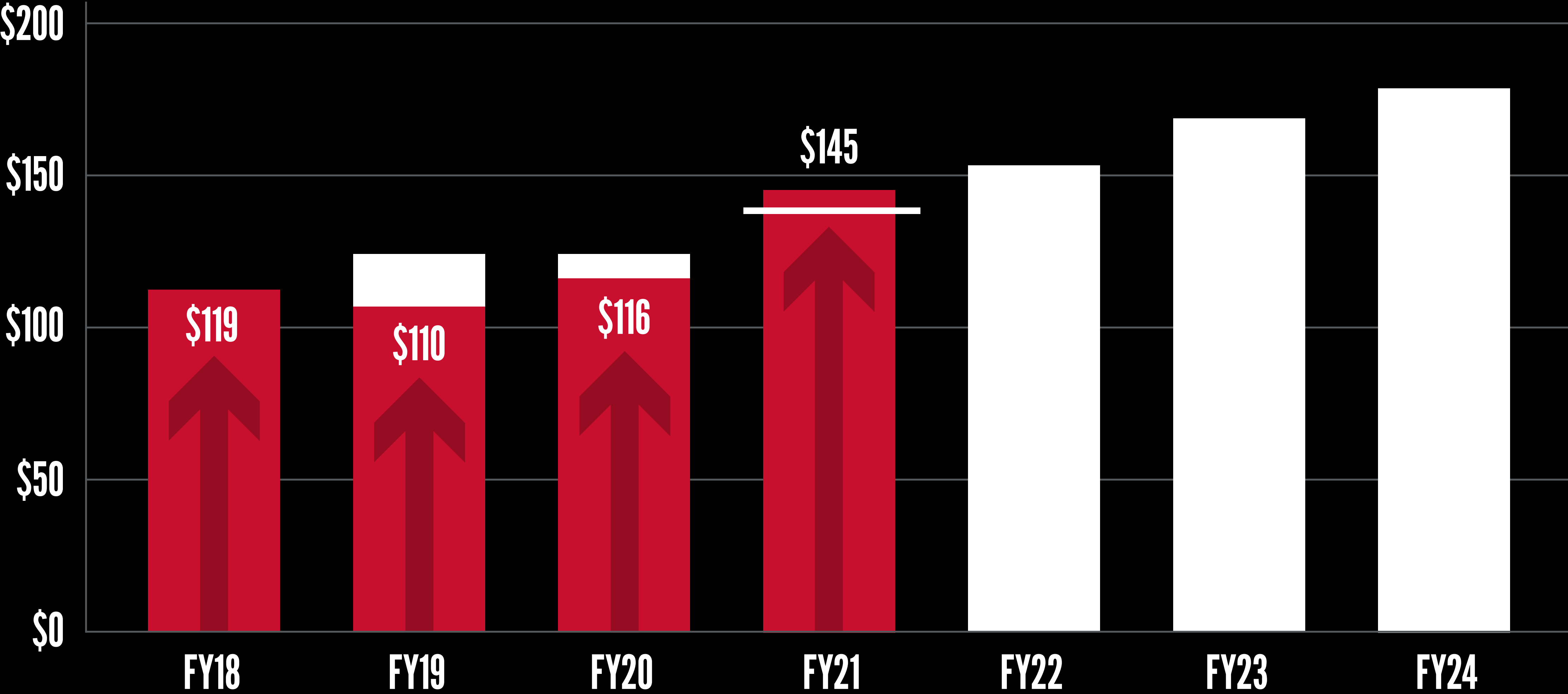
↑ Total Amount of Funds Requested in Millions

■ ACTUAL ■ GOAL



↑ Total Amount of Funds Awarded in Millions

■ ACTUAL ■ GOAL



↑ National Awards

12

in 2019



13

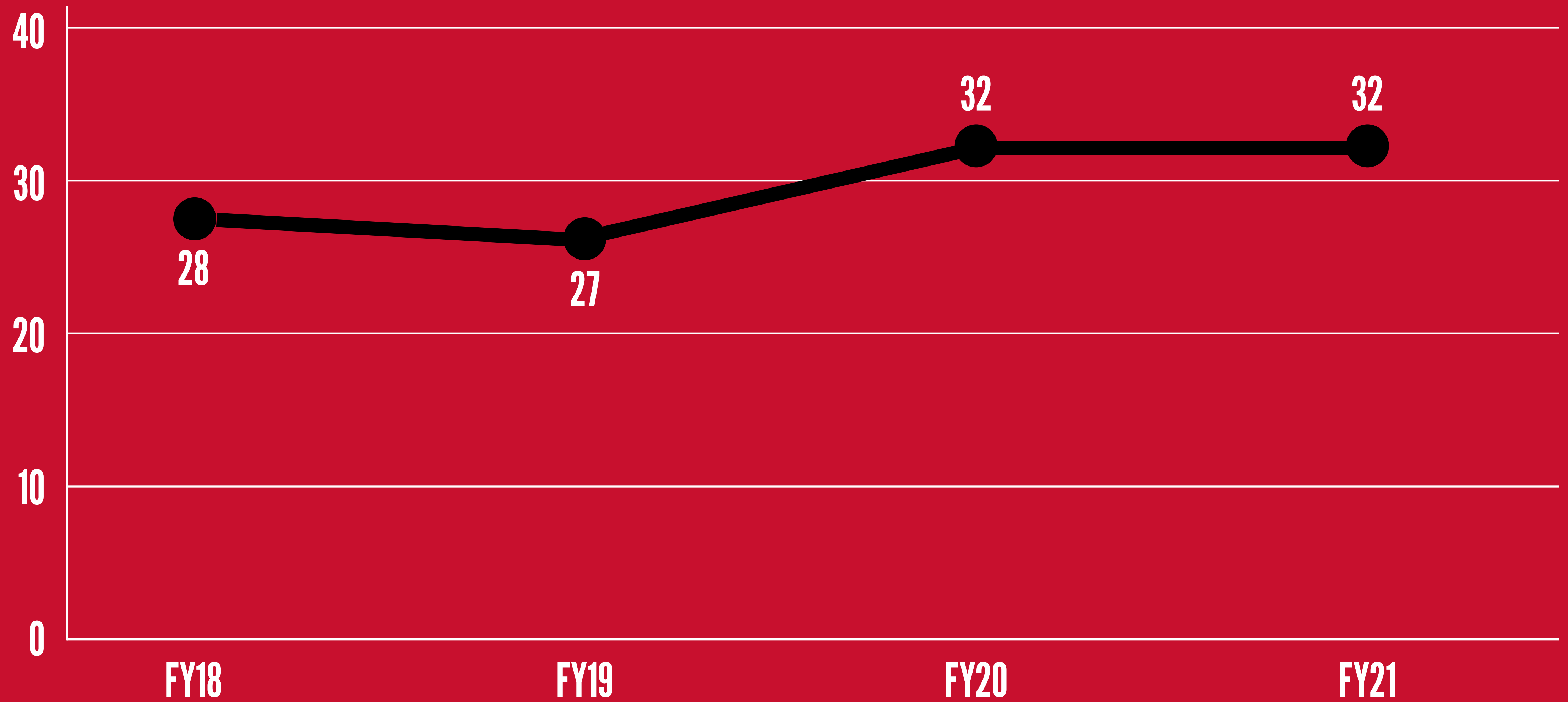
in 2020



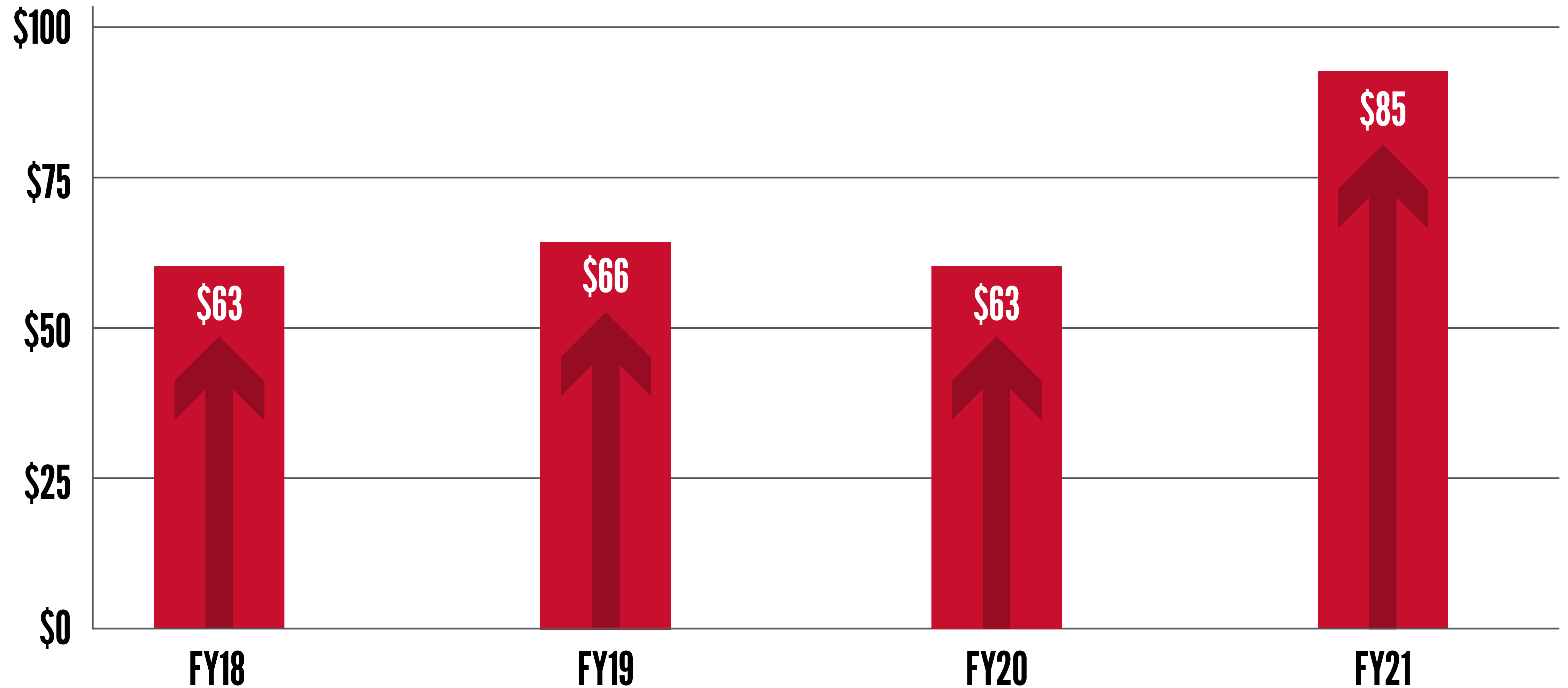
National awards for 2021 have not been reported



↑ Total Number of Major Awards

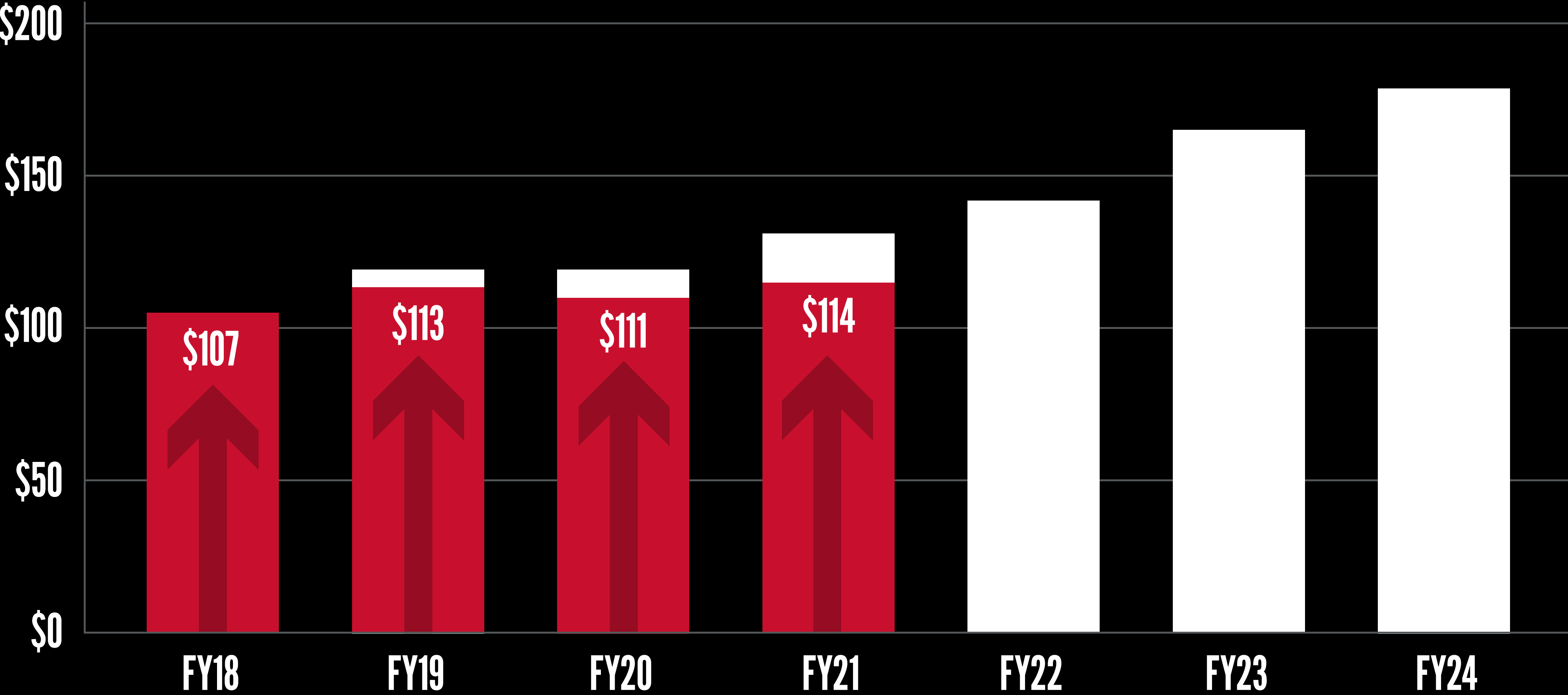


↑ Total Amount Received Through Major Awards in Millions



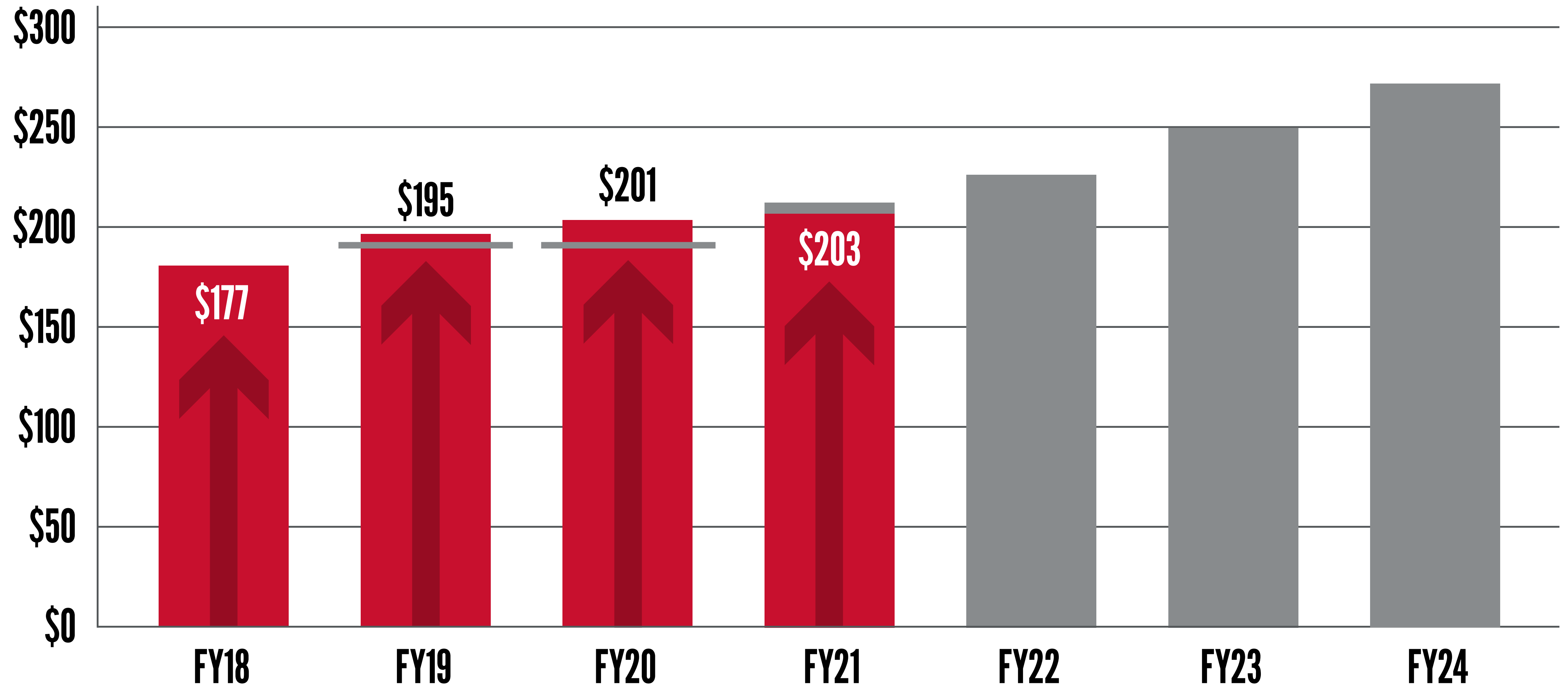
↑ Research Expenditures (Sponsored) in Millions

■ ACTUAL ■ GOAL



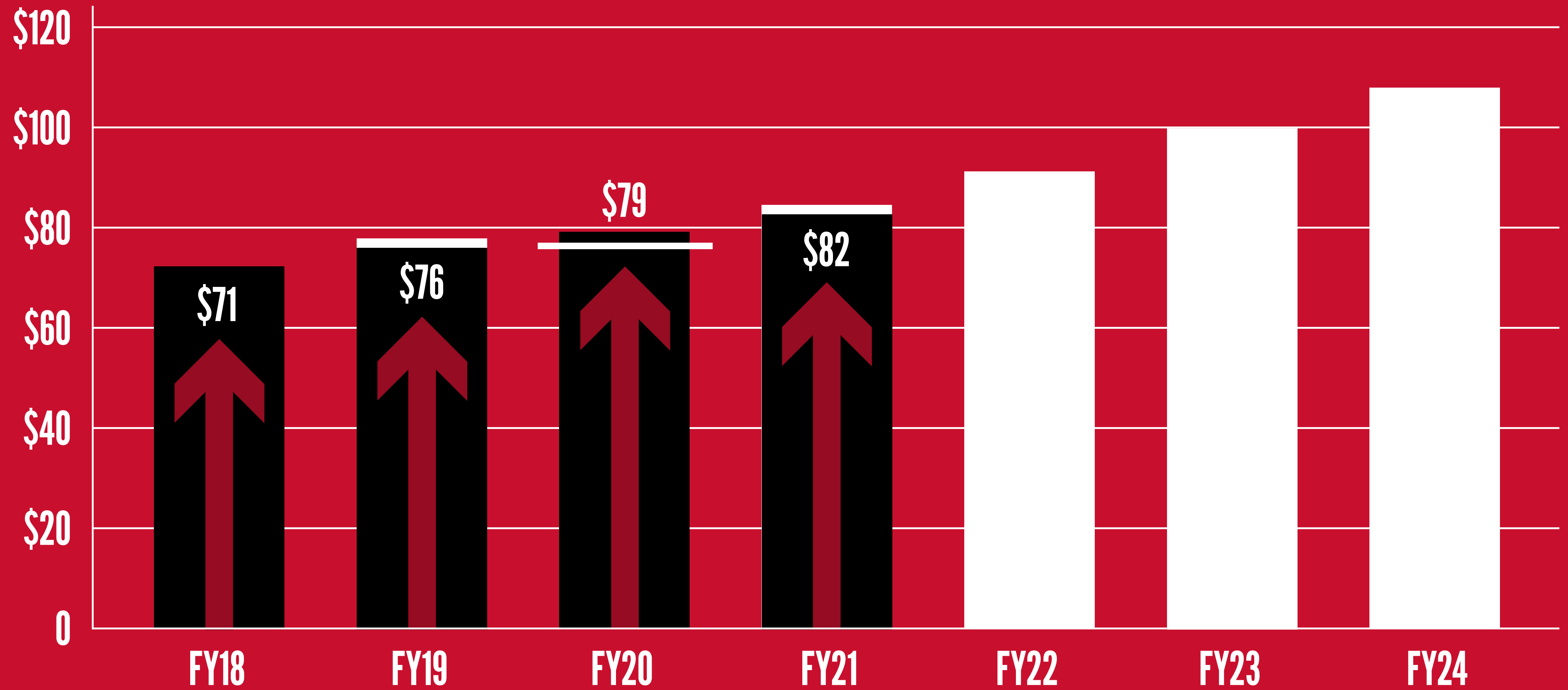
↑ Research Expenditures (NSF-Reported) in Millions

■ ACTUAL ■ GOAL

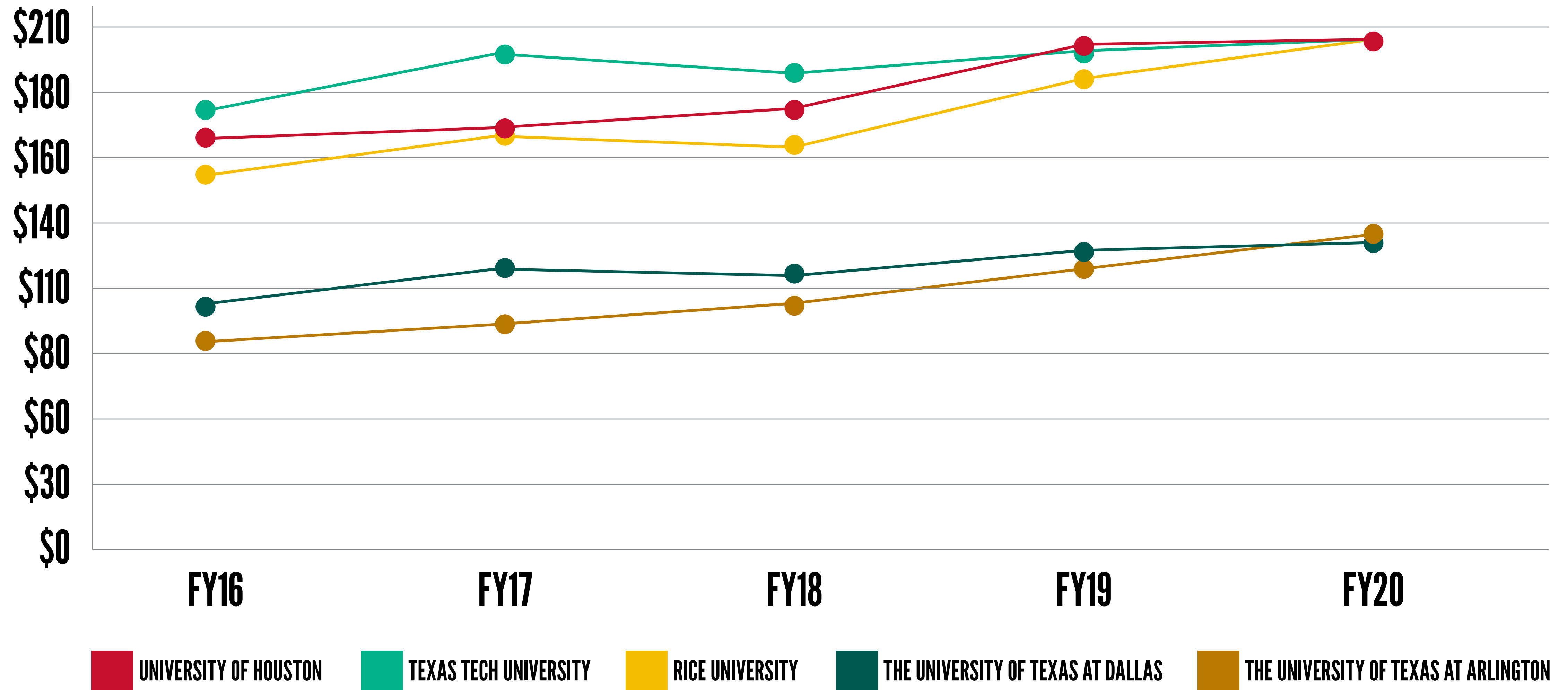


↑ Federal Expenditures in Millions

■ ACTUAL ■ GOAL



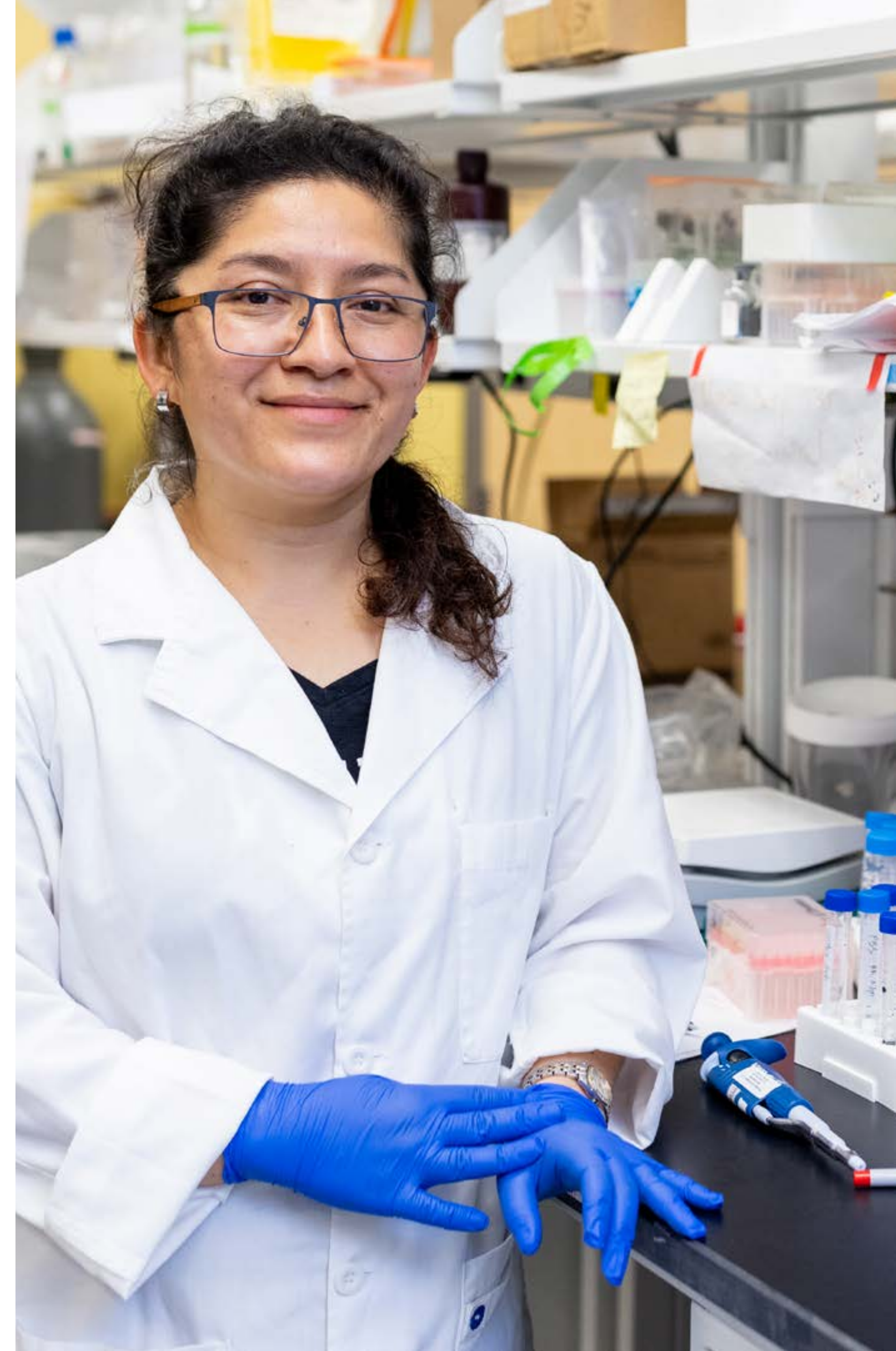
↑ Research Expenditures Peer Comparison in Millions: Texas



Latest available data is from 2020

↑ Four-Year Progress

- +27.6%** Total Amount of Funds Requested
- +21.8%** Total Amount of Funds Awarded
- +14.3%** Total Number of Major Awards
- +34.9%** Total Amount Received Through Major Awards
- +6.5%** Research Expenditures (Sponsored) Research
- +14.7%** Expenditures (NSF-Reported)
- +15.5%** Federal Expenditures



FACULTY SUPPORT MECHANISMS



↑ Engagement Model to Raise UH Profile

- Exceptional Faculty
- Focused Priorities
- Agile Leadership

University
of Houston

Husch
Blackwell
Strategies

- Opportunity
Identification
- Advocacy

- Megan Schneider

DC Lobbying
Office

McAllister
and Quinn

- Proposal Preparation
- Advocacy
- Capacity Building
 - 5 Colleges under new contract
 - 2 virtual visits to the DOE in Fall 21
 - CLASS Proposal Workshop
 - Proposal support for 3 centers and 2 individual PIs

↑ Town Hall with McAllister & Quinn

Town Hall with McAllister & Quinn

Join us for a town hall on federal research priorities presented by McAllister & Quinn.

Register to attend this session at ***uh.edu/research/calendar***.

Friday, April 22
9:00 a.m. – 10:30 a.m.

Student Center South
Multipurpose Room 237 (second floor)



↑ Internal Awards Programs

Faculty
Programs

\$6.9M

=

\$2.5M – Lab Renovation

\$1.5M – Equipment Program

\$1M – National Centers Planning Award

\$420K – Seed Research Fund

\$400K – Chancellor's Technology Bridging Fund

\$300K – Bridge Fund

\$250K – Gear

\$150K – New Faculty

\$140K – Honors College REUs

\$100K – Provost's Faculty Travel Fund

\$90K – Small Grants

\$50K – Excellence Research and Scholarship

UH.EDU/50-IN-5

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HOUSTON