



LAKE AREA  
TECHNICAL COLLEGE

# LATC Archway Complex House Education Committee 2022 Session





# Your Technical College's Are #1

- Workforce is Our Mission
- Unrivaled Retention, Graduation and Placement
- ALL 4 of SD Techs in Aspen Excellence Prize Top 150!
- Our Graduates Stay in SD
- Our Graduates Earn in SD
- Our Graduates Give back to SD

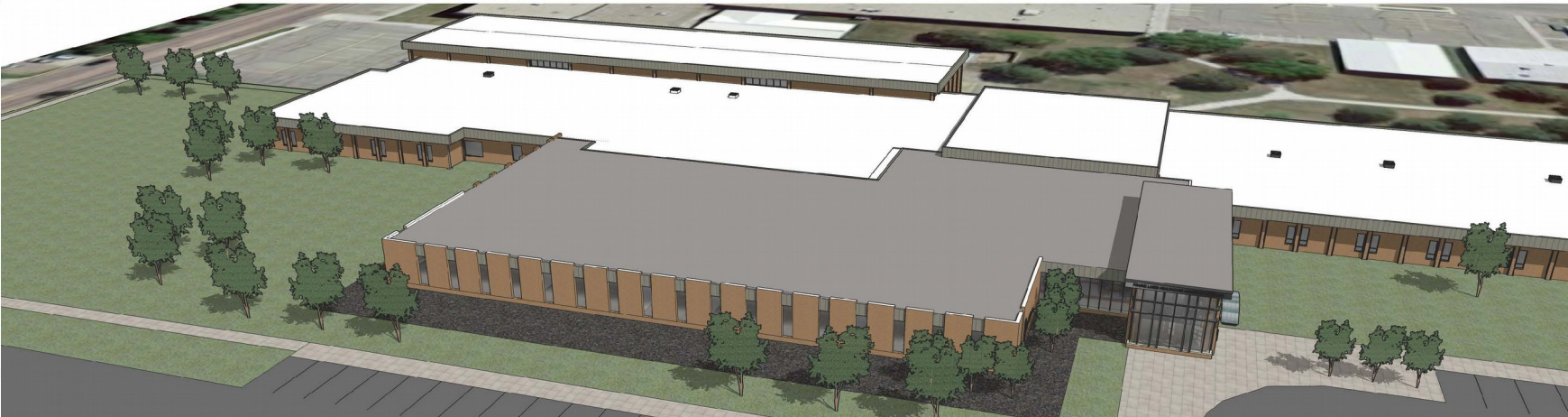
SD's Technical Colleges' role in the Workforce Pipeline is critical to SD being able to **Attract** and **Keep** Industries



# THANK YOU!!



LAKE AREA  
TECHNICAL COLLEGE



**SD's Technical Colleges are a GREAT Investment for SD**



# The Impact of LATC

This year, +2700 students will complete about 60,000 credits and earn over 800 diplomas/degrees

For almost 40% of our students we are the pathway out of poverty...

But we must do more...



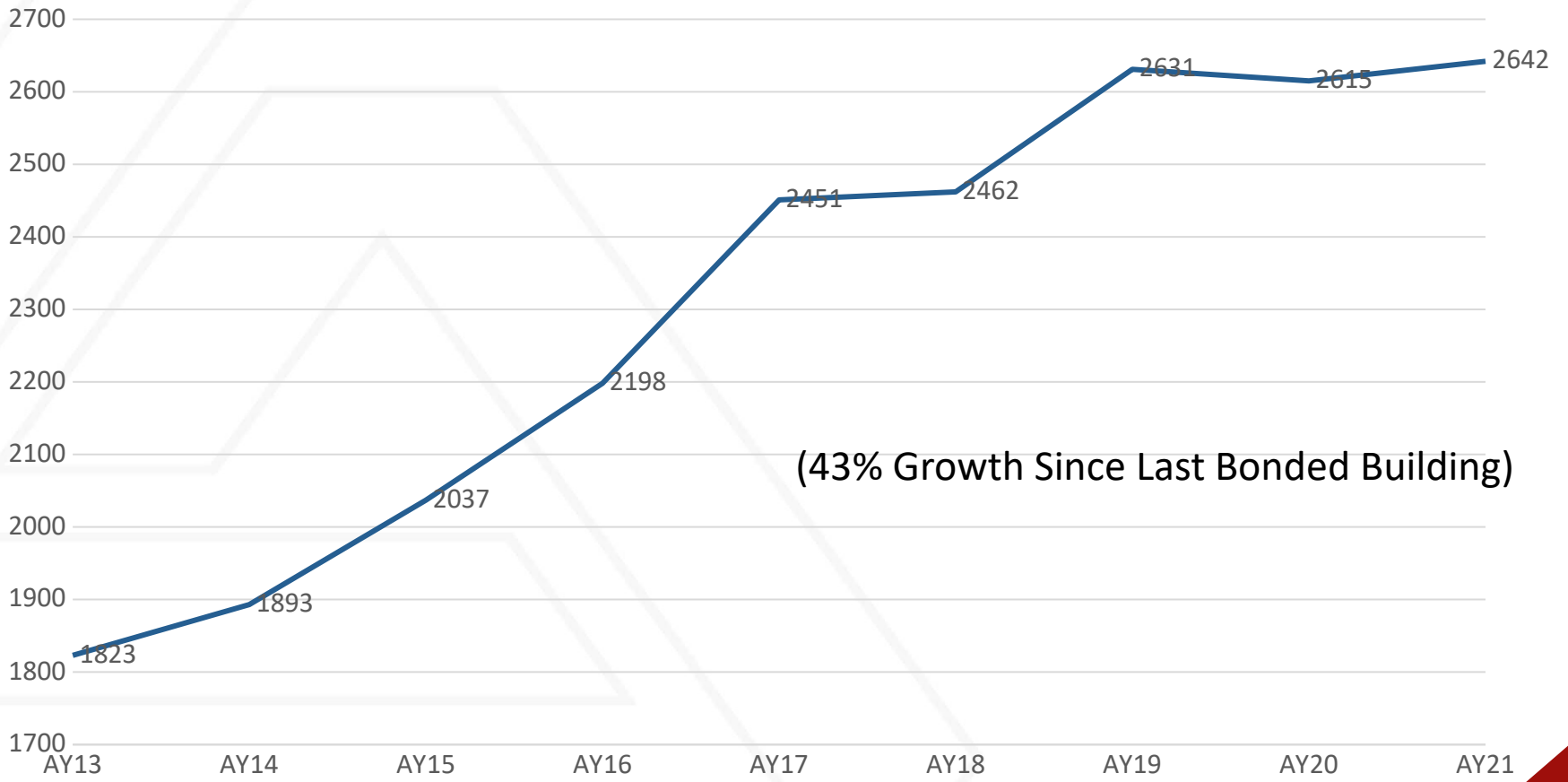
# There is a capacity issue at Lake Area Technical College

That issue impacts South Dakota Economic  
Development





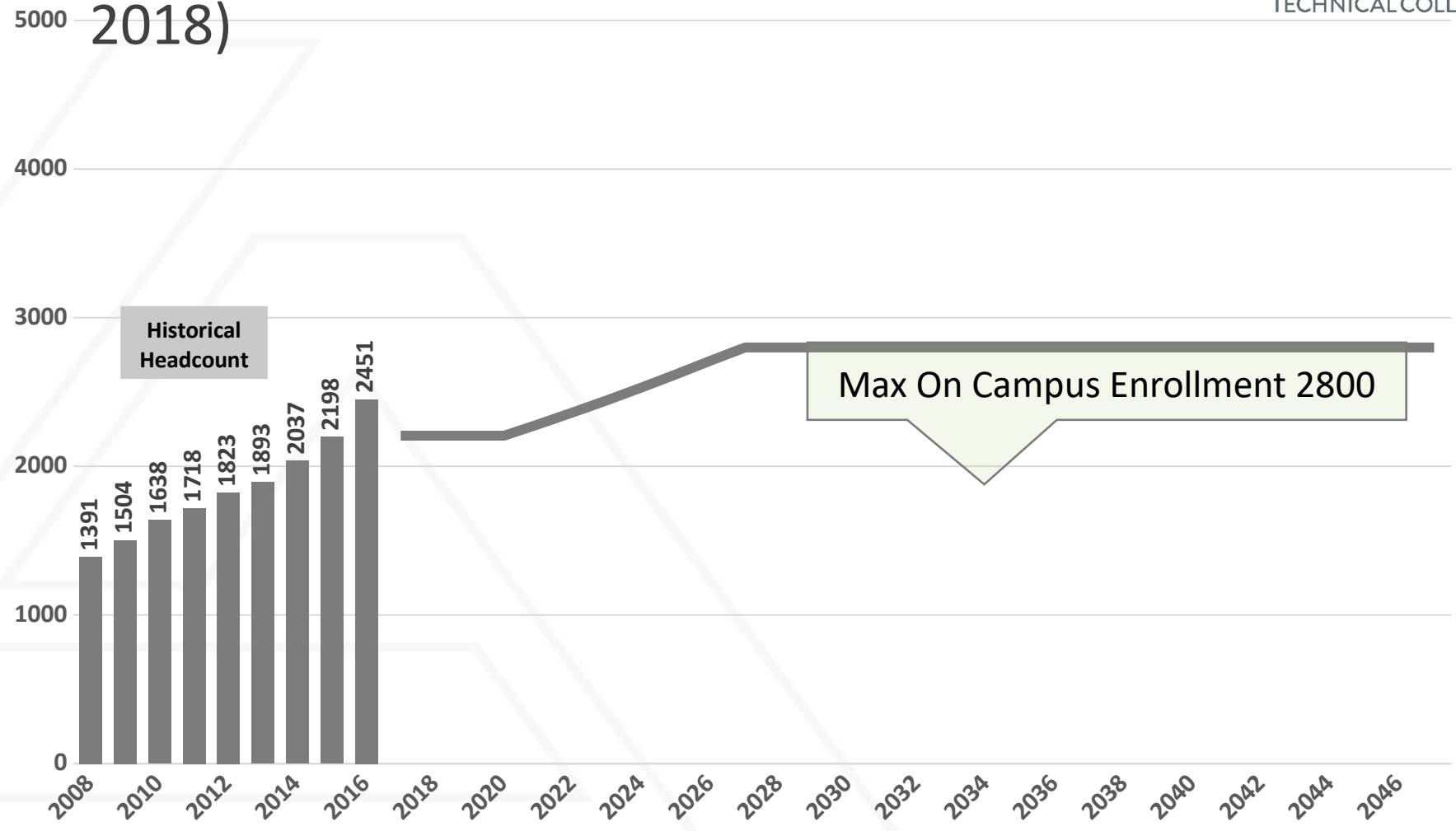
# Annual Unduplicated Headcount



(43% Growth Since Last Bonded Building)



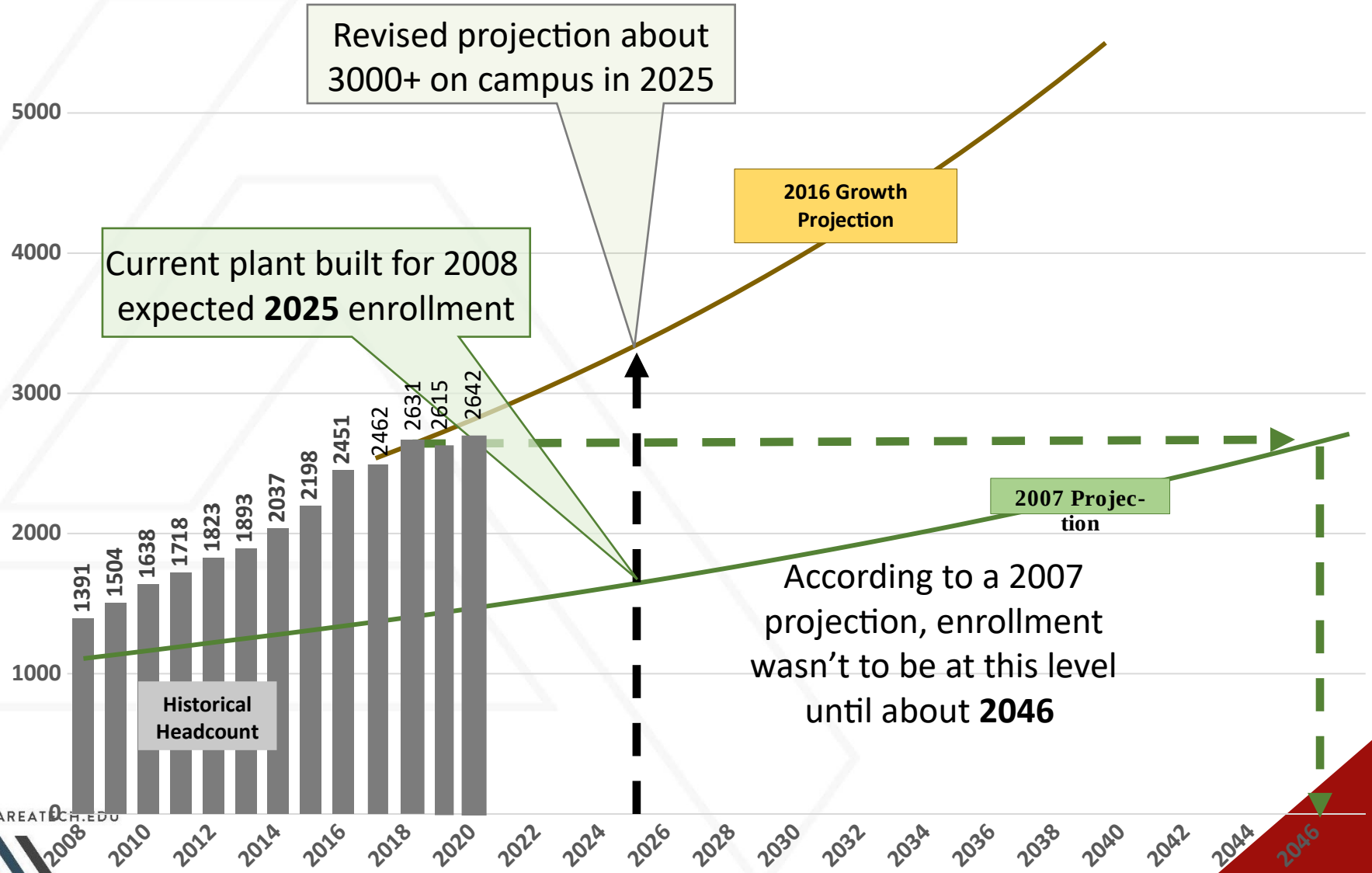
# Capacity with Only Healthcare Learning Center (Briefed in 2018)







# On-campus Population with LATC Campus Plan 20 consecutive years of growth!



Revised projection about 3000+ on campus in 2025

Current plant built for 2008 expected **2025** enrollment

2016 Growth Projection

2007 Projection

According to a 2007 projection, enrollment wasn't to be at this level until about **2046**

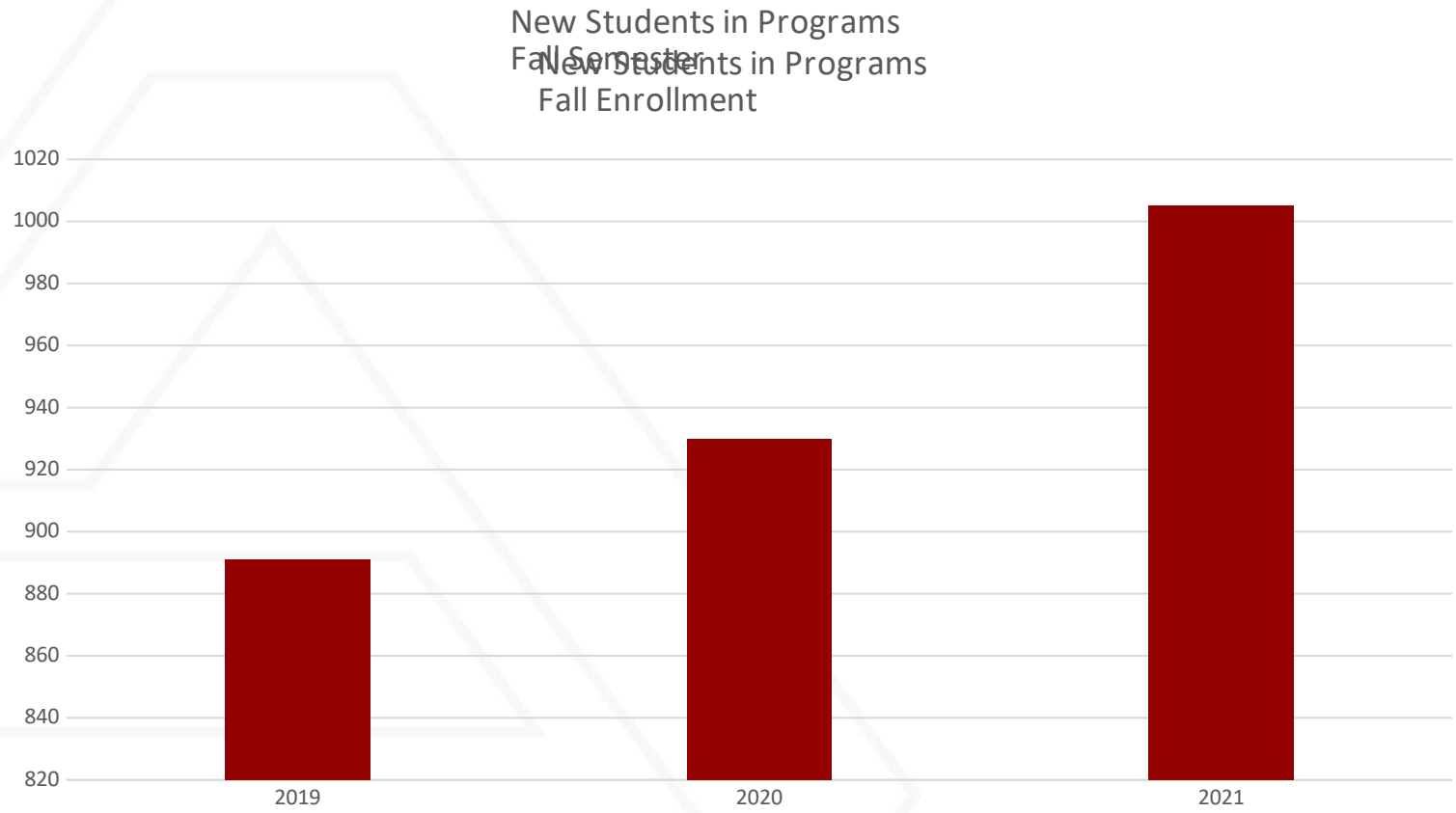
Historical Headcount







# FALL 2021 RECORD FRESHMEN ENROLLMENT



# There are Huge Workforce Demands

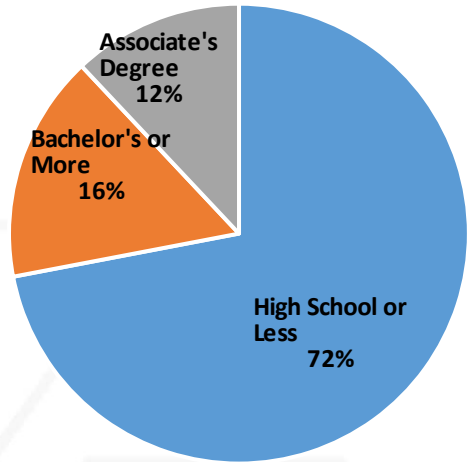
That issue impacts South Dakota Economic  
Development





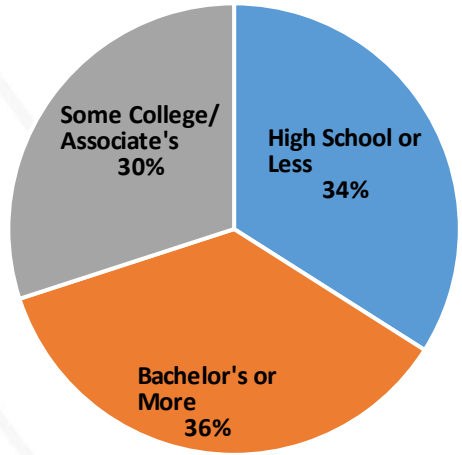
Rapidly Changing  
Workforce Demographics

1973



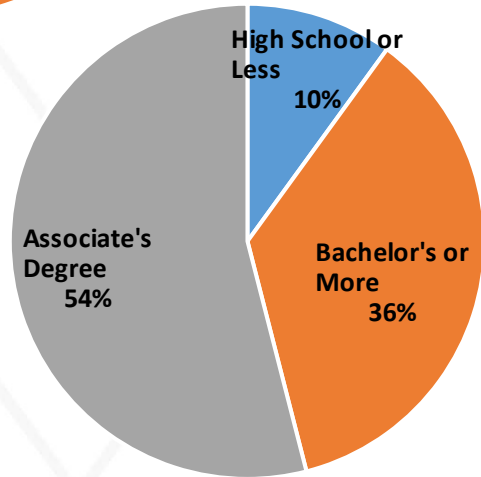
- High School or Less
- Bachelor's or More
- Associate's Degree

2016



- High School or Less
- Bachelor's or More
- Some College/Associate's

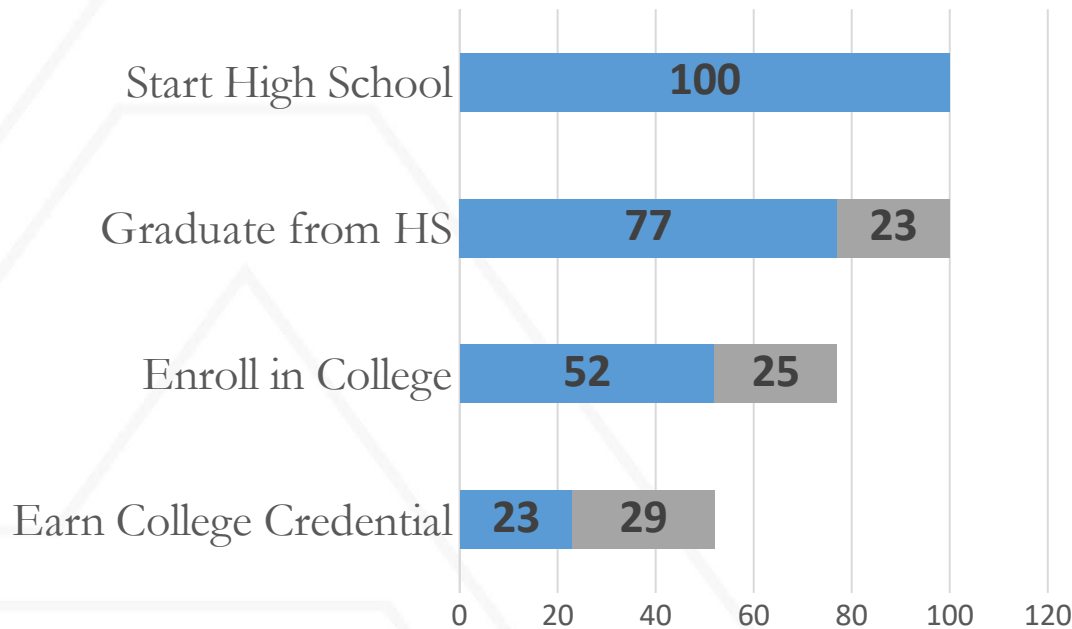
2030



- High School or Less
- Bachelor's or More
- Associate's Degree



## South Dakota: 100 9<sup>th</sup> Graders

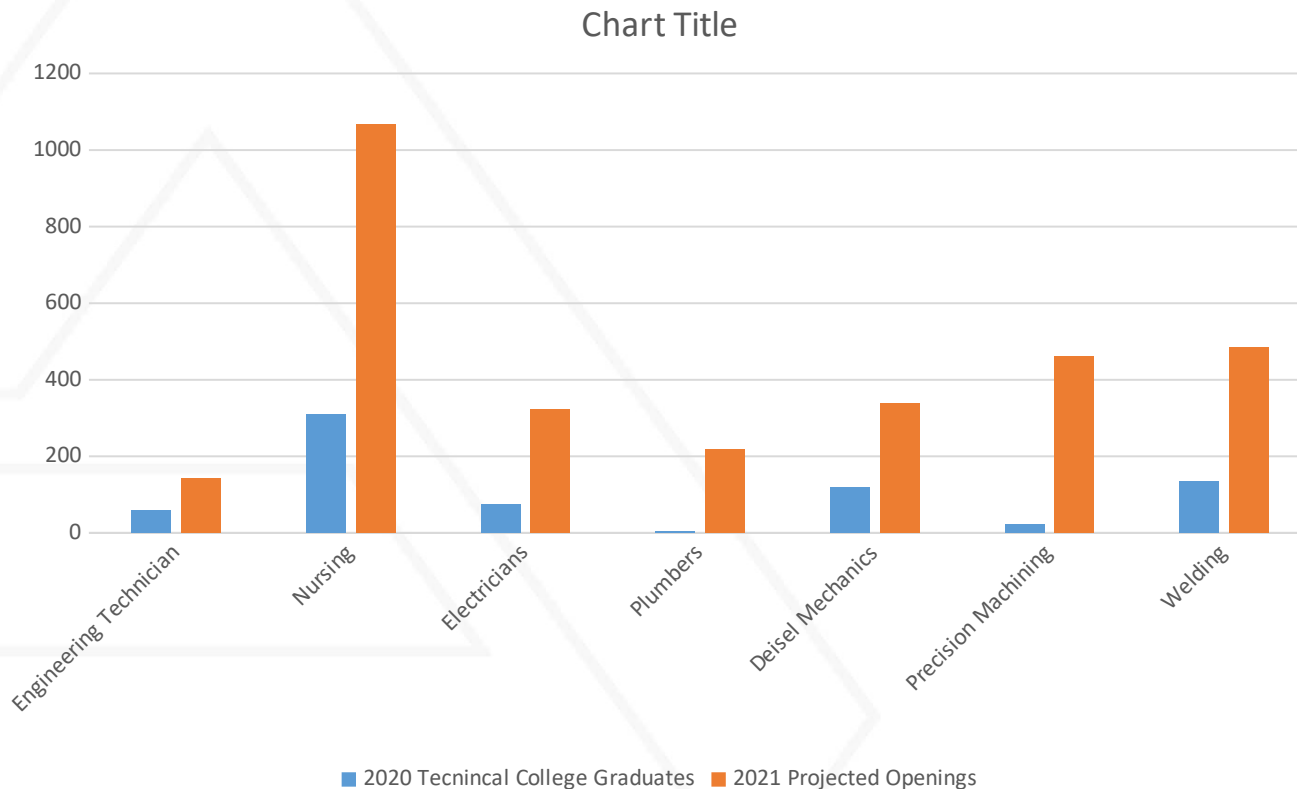


What did we do for the other 77 who did not get a Bachelor's Degree?





South Dakota needs technically skilled employees,  
we could quadruple capacity and not meet SD needs.





# LATC Campus Master Plan-- 2016



LAKE AREA TECHNICAL INSTITUTE  
CAMPUS MASTER PLAN  
CO-OP • CONFLUENCE

## Campus Needs

### Growth Summary

#### Key Findings

##### A. General

- Enrollment has grown at an average rate of 5.6% per year from 2006 to present. The fall of 2015 marked 12 consecutive years of enrollment growth for Lake Area Technical Institute. Due to the increasing number of students, the school began a four-phase campus expansion project in the fall of 2008. The project included a new Diesel, Energy, and Welding facility, a new Automotive facility, a centralized Student Center, and a new Agriculture facility. The school has developed new programs including High Performance Engine Machining and Heavy Equipment Operator including a new Law Enforcement program which began Fall 2014.
- The LATI administration aspires future growth to be at 3000 students by 2025, provided space is available.
- LATI programs have evolved continuously to meet changing workforce needs. Facilities meet education requirements and are expected to continue to increase at a rate at least consistent with enrollment growth. High workforce demand facilities must meet workforce education.
- Space needs vary widely by program. For example, Diesel Tech requires approximately 450 s.f./student compared to Human Services Technology at 35 s.f./student.
- Space configuration needs are in many cases program specific (i.e. Auto, Diesel, and Welding) minimizing the potential for sharing or easy space reassignment.
- The current campus and facilities are insufficient to meet future needs.



View of Watertown Municipal Airport Runway



View of the Timmerman Library



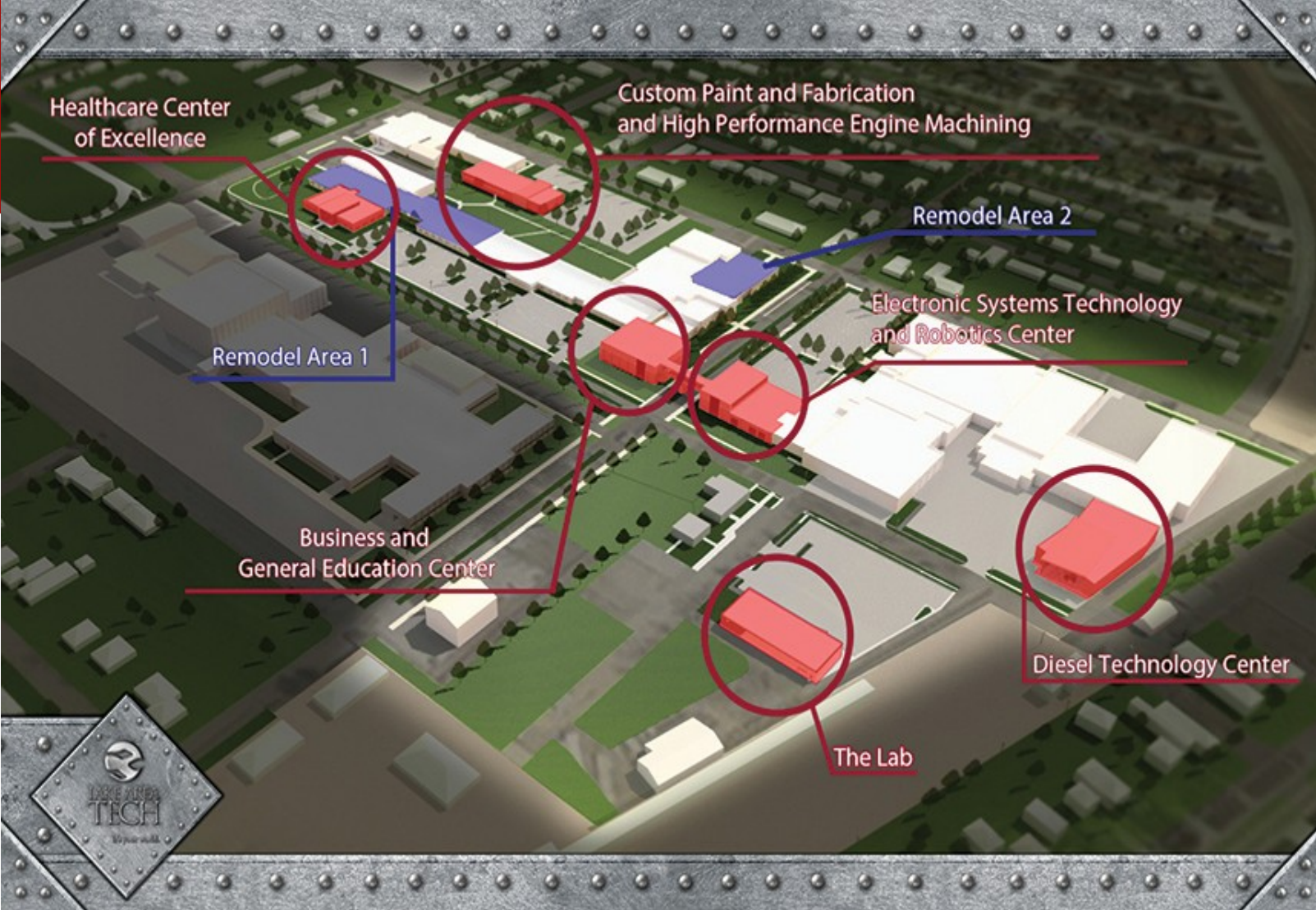
Scholar Stone Monument







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# LATC 2016 Campus Strategic

**\$40M investment in LATC facilities ...  
starting in 2019 through 2024**

**No Additional Burden on Students**

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## The Overall Plan: Construction and Renovation costs (including Equipment, Fixtures, and Furnishings)

**Total Campus Plan Facility Project costs: \$40M** (2020 dollars)

- Initial Flex Space Building: **\$1.2M (Locally funded -- Complete)**
- Healthcare Center: **\$7.1M (Complete, PLHS, State, Other Local)**
- Diesel Expansion: **\$6.5M (Under Contract)**
- Archway Complex
  - Business & General Education: **\$10.5M (In design/engineering)**
  - Advanced Manufacturing Lab: **\$4.5M (In design/engineering)**
- Custom Paint & Fab / High Performance Engine Facility
- Aviation Facility: **\$4.7M**



# LATC Capital Campaign- 2018



The I'm IN Capital Campaign will unify the Lake Area Tech workforce development community by bringing students, faculty and programs together that will state-of-the-art, workforce focused training, collaboration and development amplify Lake Area Tech's position as a national leader in technical education development. With the critical skilled workforce shortage and the ability to be the one technical college in the nation to fill the needs, there is no better time to say 'I'm IN' to help Lake Area Tech grow!

"Lake Area Tech is nationally recognized for their higher education practices that are student focused and industry driven. Even with national trends in decreasing student enrollment, Lake Area Tech continues to grow and produce a highly-skilled talent pipeline for this region. It's critical we do what we can to invest in this institution and reinforce their success by providing the best education in the best facilities. Thank you for supporting the next generation. Thank you for supporting Lake Area Tech."

SOUTH DAKOTA GOVERNOR KRISTI NOEM



## BEST. COLLEGE. EVER.

## CAMPAIGN INITIATIVES

- Advanced Manufacturing
- Aviation
- Business
- Current Campus
- Custom Paint & Fab/  
High Performance Engine Machining
- Diesel Technology
- Flex Space (Completed)
- Healthcare (Completed)
- Student Affordability

“

"The I'm IN Campaign Initiatives are an opportunity for Lake Area Tech to be better defined, essential training spaces that grow the critically needed workforce and give continuity to the community."

BRIAN SANDVIG  
Valley Queen Cheese

**im IN**  
*Are you?*



MICHAEL CARTNEY  
LAKE AREA TECH PRESIDENT

"In order to ensure Lake Area Tech's legacy of excellence continues in the years to come, it is vital that we provide opportunities that will enable students to change their lives by expanding our facilities and building a solid endowment. Lake Area Tech's dedication to its mission of educating South Dakota and the regional workforce remains unwavering, however, this pledge requires we expand our capacity in order to provide the classroom and lab space for evolving programs and our growing enrollment.

Lake Area Tech's focus on its students and the workforce needs of the state are what have provided our outstanding track record of growth and the ability to fill the facility to capacity. All this, when nationwide college populations are on the decline.

It is imperative that Lake Area Tech move forward to meet the needs of the highly skilled technical graduates. If we rely on governmental funding alone, the institute cannot expand nor excel. Your partnership in this major gifts campaign is essential. I trust you believe in our mission and realize your gift is crucial toward creating our future as an economically thriving region. Together we can achieve this goal.

More than ever we need your partnership to make Lake Area Tech even stronger... it strengthens our region and creates our future. If we build, they will come. I'm IN! Are you?"



# Campaign Highlights:

- LATC is operating over design capacity since 2017
- LATC is largest producer of 2-year graduates and most FTEs amongst SD Technical Colleges
- LATC's unduplicated head count has grown 43% since last receipt of State bonding dollars for construction
  - LATC did receive almost \$2M in state support for \$7.1M PLH Center of Learning in 2018

**LATC has a 20-year track record of growth**





# Campaign Highlights:

- \$40M project: Industry/Private sector and Public sector
- Builds lab space, classrooms and offices
- Provide initial Equipment, Furnishing, and Fixtures
- Provides capacity for 800 more students.
  - No fee increases needed to cover operations of the new facilities.
  - 800 students will spend over \$1.2M monthly on the economy while in college
- Return on investment of: yields 84% return in new business output for SD.
- Provides needed lab space for advanced manufacturing, aviation (including drones), custom paint and fabrication, diesel technology which are of the highest workforce areas of need in SD. In fact, SD could quadruple capacity at all for technical colleges and not meet today's demand in SD.
- Enables increased enrollment across all degrees because all students must take up to 20% general education courses
- Commitment to not increase burden on students

**LATC has a 20-year track record of filling capacity when we build**



# Project Highlights: LATC Archway Complex

- \$15.5M project: Industry/Private sector and Public sector
- Builds lab space, classrooms and offices,
- Design and Engineering almost complete
- Provide initial Equipment, Furnishing, and Fixtures
- Return on investment of: yields 84% return in new business output for SD
- Provides capacity for 250 more students.
  - No fee increases needed to cover operations of the new facilities.
  - 250 students will spend over \$400K monthly on the economy
  - 100 graduates earning avg \$40K is \$4M in additional earnings annually or \$220M cumulative in just ten years
- Enables increased enrollment across all degrees because all students must take up to 20% general education courses
- Provides needed lab space for advanced manufacturing, business and all technical education degrees. These are some of the highest workforce areas of need in SD. In fact, SD could quadruple capacity at all for technical colleges and not meet today's demand in SD.
- LATC will fund balance between one-time-funding and final costs with Private dollars

**LATC has a 20-year track record of filling capacity when we build**







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CO  
OP

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# LATC Archway Complex





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# LATC Archway Complex



## Please support our Campaign.

From one perspective this bill provides the key funding for facilities.

In reality, it will enable LATC to “change lives and launch careers” for 10000s more South Dakotans, as we provide the pathway to good careers and good lives for SD citizens.



# Questions?





# Long-term impact for SD economy and workforce:

- South Dakota lacks skilled technical employees and the need for two-year college graduates will double in the next 10 years. SD's four Techs could quadruple capacity and not meet SD's demand for nurses, precision machinists, welders, diesel mechanics, and manufacturing techs, to name a few in the highest demand careers. This is an economic driver for South Dakota!
- We estimate the plan would add 800 students, thus placing 500 more skilled graduates into SD's workforce pipeline annually. The life of the facility, that's 25000 more graduates. Since 85%+ of tech college graduates stay in SD, nearly 21250 will live and work here, bolstering our economy. Today the average annual salary for new tech graduates in SD is \$41K, that's conservatively \$20M additional earnings annually or \$1B cumulative in 10 years of graduates.
- While in school, these 800 additional students will spend over \$1.2M/month on the economy. Cumulative salaries from ten-years of Graduates is estimated conservatively at \$1B\*\*
- The research and analysis division of the National Community Development Services Inc projects a Return on investment of: \$1 in the Capital Campaign yields 84% return in new business output for SD.
- Funding would enable LATC to "change lives and launch careers" for tens of 1000s more South Dakotans, as we provide the pathway to good careers and lives for SD citizens.
- Funding enables LATC's continued tradition of providing excellence in higher education: being named the 2017 Aspen Prize Winner for Community College Excellence, earning recognition by President Barak Obama at LATC's 2015 Commencement Ceremony, being a national leader in student success rates, and opening campus at full capacity during the pandemic.

\*\*Assume 500 graduates per uyear earn avg of \$20/hour for 10 years (no raises).

